

WorldFuture 2011

Moving from Vision to Action

The Annual Conference of the World Future Society

Friday evening, July 8, 2011, through Sunday, July 10, 2011

**Preconference courses on Thursday and Friday, July 7 and 8,
plus Two-Day Education Summit—NEW in 2011!**

Professional Members' Forum on Monday, July 11

Sheraton Vancouver Wall Centre Hotel, Vancouver, BC, Canada



PHOTOS: C.G. WAGNER / AARON M. COHEN / WFS

My Conference Plan

Thursday, July 7, 2011

Friday, July 8, 2011

Saturday, July 9, 2011

8:30-10:00 a.m.:

10:15-11:15 a.m.:

11:30 a.m.-12:30 p.m.:

12:45-2:15 p.m.:

2:30-4:00 p.m.:

4:15-5:15 p.m.:

6:30-8:00 p.m.:

Sunday, July 10, 2011

9:00-10:30 a.m.:

11:00 a.m.-12:00 noon:

12:15-1:45 p.m.:

2:00-3:30 p.m.:

3:45-5:00 p.m.:

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Explore these Future Sectors at WorldFuture 2011:



Business and Careers



Environment and Resources



Health and Wellness



Learning and Education



Technology and Science



Global Issues, Government, and Security



Social and Cultural Trends



Studying the Future: Methodologies

Guide to this Program

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Dear Colleagues:

Welcome to beautiful British Columbia and our dynamic conference on “Moving from Vision to Action.” Vancouver is not only one of the most beautiful places in the world, but its energy also makes it an ideal setting for this year’s WFS conference theme. From Chinatown to Granville Island, Vancouver offers unique adventures and a chance to stand at a true global crossroads.



This is a year of innovation and change for the Society as well, from our Web site and logo redesign to our new Futurists: BetaLaunch event on Saturday night, which captures and nurtures the entrepreneurial spirit and its application.

As you investigate the city and this conference, you will find new paths and new tools for changing your own direction and that of your organization, community, and family. The perspectives offered by WFS conferences are unmatched, in terms of both the scope of subject matter and the opportunity to build a forward-thinking network.

International speakers on subjects ranging from the environment to the economy and from new technology to cultural transformation will enhance your understanding of the possibilities facing us all. As well, the opportunity to meet and work with fellow attendees from at least 35 countries provides a unique experience.

You’ll have a wide range of additional opportunities to expand your foresight skills and knowledge: Space is still available in the preconference courses on Thursday and Friday, and, if you’re a professional member, in the Professional Members’ Forum on Monday.

New members are invited to attend the New Members Meeting on Saturday morning to hear more about the Society and its member benefits. Many of the speakers hold meet-the-author sessions to discuss and sign their latest books. And special-interest groups of all stripes are holding impromptu gatherings in the nooks and crannies of the hotel.

On behalf of the conference staff and the WFS Board of Directors, I welcome you to our 2011 conference and hope it is one of the most satisfying you have attended. We wish you a wonderful conference.

Timothy C. Mack,
President,
World Future Society

Meet-the-Author Sessions

Friday, July 8, 2011

Pavilion Ballroom Foyer

8:30 p.m.

Lance Secretan, *The Spark, the Flame, and the Torch: Inspire Self. Inspire Others. Inspire the World.*

Saturday, July 9, 2011

Pavilion Ballroom A and B

10:00 a.m.

Marilyn Hamilton, *Integral City: Evolutionary Intelligences for the Human Hive*

11:15 a.m.

John Vanston, *Minitrends: How Innovators & Entrepreneurs Discover & Profit from Business & Technology Trends*

4:00 p.m.

William Halal, *Technology's Promise*

Jason F. McLennan, *Zugonruhe: The Inner Migration to Profound Environmental Change*

5:15 p.m.

Jerome C. Glenn, *2010 State of the Future*









Sunday, July 10, 2011

Pavilion Ballroom A and B









12:00 p.m.

Oerstroem Moeller, *How Asia Can Shape the World*









Saturday, July 9, 2011

	 Business and Careers	 Environment and Resources	 Health and Wellness	 Learning and Education	 Technology and Science	 Global Issues, Government and Security	 Social and Cultural Trends	 Studying the Future: Methodologies
7:15–8:15 a.m.								
New Members' Meeting (p. 17)								
8:30–10:00 a.m.								
The Future of Business—The Open & Free Business Model (p. 17)	•				•			
Grok, Talk, Walk, Rock: Choreography for Four Generations on the Integral City Dance Floor (p. 17)	•			•			•	
Reinvigorating Technology Assessment for the U.S. Congress (p. 18)					•			
The Six Hottest Technologies Shaping the Future (p. 18)					•			
Unlimited Resources? Saving the Planet while Growing Prosperity (p. 18)		•						
10:15–11:15 a.m.								
Acquiring Complexipacity (p. 19)				•				
Feminism's Next Frontier (p. 19)							•	
The Future of Language (p. 20)				•				
Futuring at Local and Regional Level: A Trendbureau Overijssel Experiment (p. 20)						•		•
From Planning to Action in the Future of Renewable Energy (p. 20)		•			•			
A History of the Next 10 Years (p. 21)	•						•	•
Innovations in Accessibility: Designing for Digital Outcasts (p. 21)			•		•			
Minitrends (p. 22)								•
11:30 a.m.–12:30 p.m.								
The Future of eLearning (p. 22)				•	•			
The Future of India (p. 22)						•		
Getting Your Future Right (p. 23)	•							•
Healthspital 2.0: Paradigm Shifting the Reinvention of the American Community Hospital (p. 24)			•				•	
Institutionalizing Innovation: Bringing the Best of Industry and Academia to Government Challenges (p. 24)						•		
Las Vegas 2020 (p. 24)						•		
Lessons Learned: How to Jump-Start Your Own Futures Study (p. 25)								•

Saturday, July 9, 2011

	 Business and Careers	 Environment and Resources	 Health and Wellness	 Learning and Education	 Technology and Science	 Global Issues, Government, and Security	 Social and Cultural Trends	 Studying the Future: Methodologies
11:30 a.m.–12:30 p.m. (continued)								
Wisdom of Crowds: Reinventing Educational Activism by Creating Linkages (p. 25)				●				
World-Changing Events: Democracy Revolutions, Natural Disasters, and Nuclear Dangers (p. 26)		●				●		
12:45 p.m.–2:15 p.m.								
KEYNOTE LUNCHEON The New Maritime Arctic: Global Connections (p. 26)		●						
2:30–4:00 p.m.								
Conscious Evolution and the Future (p. 27)							●	●
Cultural Shifts among Global Youths: Part II (p. 27)	●						●	
Current and Future Trends in Intelligence, Security, and Law Enforcement (p. 28)						●	●	●
The Future and Urban Health Equity (p. 28)			●			●		
The Living City Challenge (p. 29)		●			●		●	
A Societal Strategic Foresight Capacity: Prospects and Possibilities for Canada (p. 29)						●		
Strategies for the Technology Revolution: Applying Techcast's Results (p.30)	●				●			●
Teaching Foresight and the Future: An Overview (p. 30)				●				
4:15–5:15 p.m.								
Education in the Postliterate Age: Get Ready, the Future's Already Here! (p. 31)				●				
Emerging Economies: World Concert in 2025 (p. 32)						●	●	
The Myths of Progress and the Future of Foresight (p. 32)							●	
Reinventing Civilization with the ARC City (p. 32)		●			●		●	
Seven Keys to Developing a Profitable Career as a Futurist (p.33)	●							
StrategyNZ: Developing the Long-Term Strategic Direction of a Country (p. 33)						●	●	●
A Systems View of the Cultural Personality (p. 33)							●	
State of the Future: New Research from the Millennium Project (p. 34)						●		●
6:30–8:00 p.m.								
DIY Learning: The Global Education MAKEover (p. 34)				●				
Futurists: BetaLaunch (p. 35)								

Sunday, July 10, 2011

	 Business and Careers	 Environment and Resources	 Health and Wellness	 Learning and Education	 Technology and Science	 Global Issues, Government and Security	 Social and Cultural Trends	 Studying the Future: Methodologies
7:45–8:45 a.m.								
Bridging Alternative Futures of Higher Education and Societal Development in Taiwan (p. 40)								
Public-Sector Foresight Get-Together (p. 40)								
9:00–10:30 a.m.								
The Best of Houston Futures (p. 40)				●				●
Effective Use of Futures Ideas in Organization Strategy (p. 40)	●					●		
Future Challenges and Opportunities in the 21st Century Arctic (p. 41)		●				●		
Police Department 2020: From Hierarchies to Networks (p. 41)						●		●
Rekindling Imagination in Education (p. 42)				●			●	
Scenario Development in the Legislative Branch (p. 42)						●		●
Singularity University (p. 43)					●			●
Trans-Cultural Impacts on the Future (p. 44)	●			●			●	
11:00 a.m.–12:00 noon								
Asia Redraws the Map of Progress (p. 44)	●					●		
Benchmarking Community Resiliency (p. 45)						●		
China: Today, Tomorrow, and the Transition (p. 45)						●	●	
The Coming Mind–Machine Symbiosis (p. 45)					●			
Cybernetics and Society (p. 46)					●	●	●	
How to Unite the Thinking of Futurists (p. 46)						●		●
A Novel Real-Time Delphi Approach in Action (p. 47)								●
The Sun Also Rises: Lessons from Japan (p. 47)						●	●	
12:15 p.m.–1:45 p.m.								
KEYNOTE LUNCHEON Prospects for Defeating Aging Altogether (p. 48)			●		●			
2:00–3:30 p.m.								
Corporate Innovation 2030: Revolution or Reinvention? (p. 48)	●							
Creativity and Innovation for the 21st Century (p. 49)				●	●		●	
Future SCANN: A Network to Help Students Envision and Co-Design Careers of the Future (p. 49)				●	●			●
Futurists' Views from Around the World (p. 50)						●		●
Living Content: Re-writing the Past, Changing Reality and Molding the Future (p. 51)					●		●	
The Weak Signal of Mobile Governance (p. 51)						●		●
3:45–5:00 p.m.								
CLOSING PLENARY The Final Challenge: Redefining the Future of the Human Race (p. 52)								

Thursday, July 7, 2011

9:00 a.m.–5:00 p.m.

Preconference Courses

C-1 Introduction to Futures Studies

location: Junior Ballroom A and B

The most frequently asked question posed to futurists is “How do you tell what is going to happen in the future?” The future is a constant source of fascination and anxiety in society, but people have little idea of what to do about it. Few have taken a course, much less earned a degree, on how to think about and deal with the future. This preconference course fills that gap. This session will share the approach that futurists use to anticipate and influence the future. The approach will be rich in resources and approaches for meeting one’s educational and career objectives. The approach is interactive, in order to answer participants’ real questions and to experience some of the techniques discussed. Anyone who is thinking about living in the future should take this briefing before they start out!

Who should attend: First-time members of the Society or attendees to a Society conference. Anyone interested in a comprehensive overview of the theory, methods, and the field of futures studies.

What you’ll learn: Principles—the basic principles used by futurists in preparing for the future; methods—the techniques employed by futurists to anticipate and influence the future; field—an overview of the futures field, including leading organizations and individuals; resources—texts, journals, and Web sites.

Objective: Provide a comprehensive overview to futures thinking and techniques as employed in business, government and higher education.



Peter C. Bishop, associate professor of human sciences; chair, Studies of the Future graduate program, University of Houston, Houston, Texas

\$179 members/\$229 nonmembers

C-2 Six Thinking Hats: de Bono’s Tool for Creative and Critical Thinking

location: Junior Ballroom D

Moving from vision to action requires effective creative and critical thinking skills. Six Thinking Hats® is a thinking tool that helps people become more critical and creative in their thinking through the use of the simple mental metaphor—thinking hats. Hats are easy to put on and easy to take off. Each hat is a different color, with each color representing a different thinking ingredient:

- White hat—facts
- Red hat—feelings
- Green hat—creativity
- Yellow hat—benefits
- Black hat—cautions
- Blue hat—process

Six Thinking Hats is also a time-tested tool used by schools, nonprofits, corporations, and governments around the world. A major benefit of six hats thinking is that it provides a framework to focus and broaden thinking. Participants learn how to separate emotion from facts, the positive from the negative, and critical thinking from creative thinking. The method helps to put opinions aside so stronger solutions can be developed, without argument. When groups use the tool together, they strengthen their collaboration skills.

Each person is focused on using the same thinking tool, at the same time, on the same challenge. Thinking is much more thorough and complete.

It includes each person’s thinking—his or her unique point of view.

Who should attend: This fast-paced, hands-on course will appeal to a whole new generation of policy makers, business leaders, entrepreneurs, nonprofit thought leaders, educators, students, and people who are discovering Dr. Edward de Bono’s methods for the first time. If you need to inject a solid dose of the future in your workday or personal life, then plan to attend.

What you’ll learn: Participants will learn a framework to think through any situation. Working on futures projects requires people with the ability to forecast the future, identify value, deal with risks, sift through never ending mountains of information, end the idea killer habit that shuts down new possibilities, and trust gut instincts. We will dive into each of these areas.

How this new knowledge can be applied: This tool can help people be better prepared to participate effectively in the future—which means embracing changes and unlearning old habits and ways in order to learn new skills and new ways.



Lynda Curtin, one of only 37 de Bono Thinking Systems Master Trainers worldwide, whose corporate clients have included Boeing, Naval War College, HP, and Johnson & Johnson. Her latest effort has been to launch a new business division—de Bono for Schools.

\$179 Members/\$229 nonmembers

C-4 Whole Systems Governance: The New Cognitive Work of Leadership

location: Pavilion Ballroom C

That modern societies deal with

pieces better than wholes is not news. That we make many problems worse because we see, understand, and act on them in pieces is also well known. The thought that complex and swampy issues cannot be dealt with in pieces and that they must be seen, thought through, and handled systematically is now commonplace. Put simply, we must learn to see, think, and act in an integral manner. However, as with much good advice, it is easier said than done. What to do?

Foresight Canada has developed, tested, and put to use several tools for the mind that make it easier to see, think, and act in a manner that creates systemic coherence, not fragmented chaos. This one-day workshop will introduce you to these tools and give you enough practice in their use to take them home with you as part of your own tool-kit.

We will explore the insight that many of the issues we face today cannot be dealt with by more and better management; that something else seems to be required.

This reality leads to the hypothesis that the major issues of the twenty-first century demand three-level (or “whole systems”) governance: Operations, Management, and Leadership.

We will note that the vast literature about leadership and most leadership programs are almost devoid of serious consideration of the cognitive work of leadership. This workshop will focus on this hole in our lives, organizations, and cultures. The tools for the mind that we offer will make it easier for you to understand that failure will follow those who continue to try to govern their organization in a two-

level way and to practice three-level—whole systems—governance once you are back home.

Who should attend: Persons who carry a board of directors or senior management responsibility; foresight practitioners, persons who sense that many of today’s complex and swampy problems (wicked issues) require something more than better management and strategic planning; persons who are struggling to connect futures research to direction setting, corporate strategy and policy formulation.

What you’ll learn: (1) How to distinguish the levels of generality in any system. (2) The three levels of generality of whole systems governance—operations, management, and leadership. (3) Why three level governance is now a requirement, not an option. Which organizations have now moved

THURSDAY
9:00 a.m.–5:00 p.m.

Don't Miss a Single Session! Listen to WorldFuture 2011 on Audio and Multimedia CDs.



World Future Society partner IntelliQuest Media is offering both multimedia CD-ROMs (which include available presentation materials and iPod or computer-playable MP3 files) and audio CDs playable on standard players.

Individual sessions may also be ordered on audio CDs or downloaded as MP3s.

To order your CDs, stop by the IntelliQuest Media table near the conference registration area, visit www.intelliquestmedia.com, or call IntelliQuest Media toll free at 866-651-2586.

to formalize the cognitive work of leadership as a separate corporate function and how they have organized for it. (4) The characteristics of the eyes and mind of an operator, manager, and leader. (5) The four foresight questions that any leader in the twenty-first century must be able to ask and answer. (6) The seven rings of Foresight Canada's Whole Governance Onion—rings that take you from the reliability of your knowing to your operational plans. (7) How these tools have been successfully applied in a wide variety of cases.

How this new knowledge can be applied: (1) You will be better equipped to recognize which elements of a complex problem require what responses—operational, management, or leadership. (2) You will be more inclined to treat issues that demand the cognitive work of leadership for what they are: leadership issues. You will be less inclined to try to stuff an issue that demands the cognitive work of leadership into a management mold. (3) You will have some tools that help you develop sound strategies for exploring, understanding and dealing with leadership issues on their own terms.



Ruben Nelson, a pioneer of serious futures thinking, and Canada's leading practitioner and teacher of the next generation of strategic foresight; currently advising the Alberta Premier's Council on Economic Strategy to 2040.

Brian Woodward, senior faculty member, the Banff Centre in the Leadership Development Area, and past director of the Leadership Learning Lab at the Banff Centre



David Harries, associate director, Foresight Canada, a foresight activist since 1974

\$179 members/\$229 nonmembers

Education Summit: Education and the New Normal

Thursday and Friday, July 7-8, 2011 • 9:00 a.m.–5:00 p.m.
Fee (includes continental breakfast): \$295 members/\$345 nonmembers

Location: Pavilion Ballroom D

8:30–9:00 a.m.

Continental Breakfast

9:00–9:10 a.m.

Welcome and Summit Overview:

David Pearce Snyder, Summit Chair

During the past year, the news media have begun to use the phrase “new normal” to characterize the lowered economic expectations of our post-Recession circumstances. The technical press has picked up the term as well, using *new normal* to depict the realities of daily life now that the mass market has embraced information technology. This year's Summit will explore the multiple educational implications of our new techno-economic normal.

9:10–9:45 a.m.

Defining the “New Normal” for Education

Prolonged economic austerity will not only jeopardize pending reforms in K-12, it is also likely to reduce the flow of public resources to all education. However, our straitened economic circumstances could also synergize with our impending teacher shortage and our growing inventory of unexploited technologic potentialities to spontaneously coerce the reinvention of education out of sheer necessity. What will the new normal curriculum be like, and how will it be delivered?



David Pearce Snyder is a consulting futurist and contributing editor to *The Futurist*, the *Trend Letter*, and *On the Horizon*, Bethesda, Maryland

9:45–10:30 a.m.

Education as a Service

A new paradigm for education is gradually replacing the traditional view of standardized classroom schooling with a process of flexible learning services for the individual child's growth. This change of perception is brought on by three trends: (1) our new neurological understanding of what constitutes learning, (2) the need for children and young people to acquire competence to cope with complexity and diversity, and (3) the cyberization of education, which makes learning increasingly ubiquitous and detached from institutions. This transformation will dramatically change learning environments, methods of teaching and learning, and the traditional roles of institutions, teachers, and students.

Niels Chr. Alstrup is an independent consultant on organizational change, innovation, and futuring. He has been involved in a wide range of change management projects and development processes in both public-sector institutions (e.g., schools) and private companies, Birkerød, Denmark.

10:30–10:45 a.m.

Break

10:45–11:30 a.m.

Where's the “Learn This” Button?

Most education reformers acknowledge that learning needs to be personalized to be effective, but rarely does anyone describe a practical way to actually accomplish this. The presentation describes an online process by which

learners freely acquire knowledge as they roam the Internet, and have their learning measured by practitioner-experts outside of educational institutions.



Maria H. Andersen, Learning Futurist at The LIFT Institute of Muskegon Community College, Greater Grand Rapids, Michigan

11:30 a.m.–12:00 noon

Q and A

12:00–1:00 p.m.

Lunch

1:00–1:45 p.m.

Learning in Depth: A Simple Innovation That Can Transform Schooling

Schooling is a costly enterprise that requires massive personnel resources. After more than a hundred years of educational research and access to several generations of new technologies, students graduating from high school continue to demonstrate astonishing ignorance of the contents of the curriculum to which they have been exposed. Indeed, as time and resources are increased, students' learning of the curriculum is in decline. There are many diagnoses and suggestions for reform, most of which are imprecise and unrealistic. The proposal presented here can have a real impact on the ignorance that marks so many graduating students and will ensure that every child learns some important lessons about how to learn and the nature and value of knowledge.

Kieran Egan, professor in the Faculty of Education at Simon Fraser University, has published extensively on education, notably *The Educated Mind: How Cognitive Tools Shape Our Understanding* (1997) and *Learning*

in Depth: A Simple Innovation That Can Transform Schooling (2010), author of *The Future of Education: Reimagining the School From the Ground Up* (2008), Vancouver, Canada.

1:45–2:30 p.m.

A New Education Vision: Re-inventing School-to-Employment Systems for Knowledge-Based Global Economies

In the midst of widespread unemployment, many developed nations report a growing shortage of knowledge workers, as increasingly potent information technologies continue to drive a breakneck pace of workplace innovation. In industrial nations, the large baby-boomer cohort is moving toward retirement, boosting the need for technically skilled replacement workers in many employment sectors. To assure an adequate supply of skilled human resources to sustain future economic growth, there must be greater cooperation among educators, employers, workforce development professionals, government agencies, and community groups to develop higher student reading, math, and critical thinking abilities, as well as to create new school-to-employment systems for twenty-first-century knowledge work.

Ed Gordon will describe how non-profit regional umbrella organizations are forming networks of community partnerships to create more diverse career preparation systems that are responsive to local civic and economic needs. He will also present case studies of community organizations around the globe that are already serving as educational "Gateways to the Future."



Edward E. Gordon, president and founder of Imperial Consulting Corporation, Chicago, Illinois

2:30–2:45 p.m.

Break

2:45–3:30 p.m.

The New Tech Network

This video presentation describes the 60 public and charter K-12 schools nationwide that have transformed themselves by adopting the "New Tech" system of instruction using project-based, contextual learning to teach both traditional curricula and twenty-first-century workplace skills, delivered via a blending of classroom guidance, peer teams, and online sources and services.

New Tech Network, Napa, California

3:30–4:15 p.m.

Jump-Start Your Career as a Foresight Educator

Have you ever watched those "Extreme Makeover" reality shows and wondered what you might look like, for example, in a new career as a professor of Futures Studies? Have you ever dreamed about rolling over your work experience into a teaching position at the community college or at the graduate level? Despite the small numbers of foresight educators today, the prospects have never been brighter, because higher education today is increasingly market-driven and post-secondary students in these uncertain times are increasingly eager to learn about the future. This session will share the ins and outs of how to re-create yourself as a professor of foresight for academic programs ranging from business, to leadership, to technology, or to the social/political sciences. Join the new vanguard of futurists who have decided to build their next career now.



Jay E. Gary, assistant professor, School of Global Leadership & Entrepreneurship, and program director of the Master of Arts in Strategic Foresight at Regent University, Virginia Beach, Virginia

4:15–4:30 pm

Wrap-Up of Day's Events

THURSDAY
10:45 a.m.–4:30 p.m.

Friday, July 8, 2011

FRIDAY
8:30 a.m.–2:00 p.m.

(Day Two of the Education Summit)

Location: Pavilion Ballroom D

8:30–9:00 a.m.

Continental Breakfast

9:00–9:10 a.m.

Overview of the Day: Tom Abeles

9:10–10:45 a.m.

Reinventing Educational Activism by Creating Linkages: Technology, Content-Driven Collaboration, and Financial Literacy

Presenters will showcase best practices and provide the latest research, implementation strategies, and some essential collaborative tools. Davis Guggenheim's documentary, *Waiting for Superman*, has ignited a national dialogue about improving public education. Traditional schools are not structured to give individuals the essential skills they need to be successful in the workforce or in their personal lives. But savvy educational activists are not waiting for Superman. Social media tools are both reinventing educational activism and empowering people across all industries to become lifelong learners. They are changing the traditional relationship among instructors, learners, businesses, and communities—making it easier to collaborate, create linkages, and share best practices.

Applying the “wisdom of crowds” as a collaborative model, we will tap the tools, resources, and experiences of both the presenters and the audience to share best practices for trans-

forming today's schools into powerful learning environments.



Yvonne Marie Andres, president and founder, Global SchoolNet, Encinitas, California



Ismo Heikkila, national director, Financial Education & Employer Services at T.E. Wealth, CANADA, Toronto, Canada

Other presenters: students and teachers who have participated in International CyberFair 2011: Take Action and Unite Communities

10:45–11:00 a.m.

Break

11:00 a.m.–12:00 noon

A New Century: A New Instructional Paradigm

Education is in gridlock. Educational policy makers around the world are designing new standards for excellence focusing on proficiencies and content necessary for success in information-oriented economies. These standards articulate both content and thinking skills, yet our current instructional model is only directed at the rote learning of content in a compliant manner. Participants in this session will explore a new instructional model that focuses on processing information as well as on compliance and content. Content will be used as a body of knowledge to be thought about and utilized rather than simply memorized. Schools that have used this model report improved student participation, attendance, and achievement—kindergarten through university.



Richard Wood, president of Wood Educational Services, an educational consulting firm, Warren, Michigan



Helen L. Burz, Ed.S., author and education consultant, Warren Michigan

12:00 noon–1:00 p.m.

Lunch

1:00–2:00 p.m.

Educating the Wise Cyborg of the Future

The development of wisdom should be the central goal of higher education for the future, incorporating character development and heightened future consciousness to address the major challenges of tomorrow. As in the past, technologies in the future will further enhance and augment human capacities. How, then, do we infuse in a wisdom-based education the technological knowledge and skills that will empower wisdom?

We will outline wisdom-based education, draw the connection between human intelligence and technology, describe the wise cyborg, and illustrate how to facilitate the educational development of the wise cyborg in the future.



Tom Lombardo, founder and executive director of the Center for Future Consciousness in Scottsdale, Arizona, and retired faculty chair of Psychology, Philosophy, and the Future at Rio Salado College in Tempe, Arizona.

.....
2:00–3:00 p.m.

Deconstructing the Education Monopoly in the United States

Unlike the U.S. banking and automotive industries, schools of education may not be “too big to fail” and thus may not receive rescue funding from a cash-strapped government and a reluctant electorate. In an increasingly “wired” society with shifting economic priorities, not all of these schools of education will survive, and few P-16 education providers will survive untouched. Education systems outside of the United States will also be impacted. The current economic meltdown has created the tipping point for educational change—nationally and globally.



Tom P. Abeles, president of Sagacity, Inc., Minneapolis, and editor of *On The Horizon*, an educational futures journal, Minneapolis, Minnesota

.....
3:00–3:15 p.m.

Break

.....
4:15–4:15 p.m.

Futurists and the Future of Education

The school districts around the United States that institute prototype technology-based education systems under the federal “Race to the Top” grants program will, in effect, be “pilot testing” alternative educational

futures. As several presenters at the Education Summit demonstrate, other large pilot tests of alternative futures for public schooling are already under way. This colloquium—involving both Summit presenters and participants—will explore the most purposeful contributions that the futures community can make to this unprecedented period of experimentation leading up to the reinvention of public education for the twenty-first century.

Summit Presenters and Participants

.....
4:15–4:30 p.m.

Summit Wrap-Up

.....
9:00 a.m.–5:00 p.m.

Police Futurist’s Meeting

location: Port McNeill

Preconference Courses

C-5 Wisser Futures: Using Futures Tools to Better Understand and Create the Future

location: Junior Ballroom D

The Institute for Alternative Futures offers its popular workshop introducing its world-class approaches to using futures techniques in communities, organizations, governments, and corporations. You will experience using specific futures tools such as forecasts, scenarios, and visions; get practical advice on using futures tools to enhance learning and effective choice within organizations and communities; and explore how aspirational futures can transform

organizations. This is a highly interactive workshop where participants experience the tools we describe. Every participant receives a sourcebook of tools and examples of work products that illustrate successful futures work. This is a highly rated workshop. Past participants have been able to adapt these tools for use in their own foresight and strategic planning work.

Who should attend: This course is valuable for individuals from organizations and corporations responsible for foresight and strategic planning, for those newly assigned to foresight work, or who are considering going into futures consulting. Previous workshop attendees from associations, government agencies, small businesses, large corporations, and independent consultants have found it very useful.

What you will learn: Experienced practitioners will provide their wisdom and hands-on experience in identifying trends, developing forecasts, creating stimulating scenarios, and discovering powerful visions for an

organization. The course provides an introductory overview to the steps the Institute for Alternative Futures considers the core of visionary strategic planning and creating better futures.

How this new knowledge can be applied: Participants can use the skills learned to monitor trends, design and use scenarios, and apply futures techniques to develop a better vision and strategies for a preferred future for their organizations. Practicing futurists will appreciate this opportunity to benchmark their tools and approaches against a leading futurist organization.



Clem Bezold, chairman of the board and founder of the Institute for Alternative Futures (IAF) and its for-profit subsidiary, Alternative Futures Associates (AFA). Dr. Bezold established IAF in 1977 to encourage “Anticipatory Democracy.” In 1982, he started AFA to assist corporations in their strategic planning. Trained as a political scientist, he has been a major developer of foresight

FRIDAY

9:00 a.m.–5:00 p.m.

techniques, applying futures research and strategic planning methods in both the public and private sectors. As a consultant, Dr. Bezold has worked with a large variety of successful and growing corporations as well as governments and nonprofit organizations. He has designed numerous workshops and projects to study future environments in a wide range of fields, including health care, law and the courts, the environment, genomics, and science and technology.

\$199 members/\$249 nonmembers

C-6 Bridging the Great Divides: A Spiral Dynamics Workshop on Cultural Integration, Global Cohesion, and Our Multiple Futures

location: Parksville

The end of the Cold War has not brought us peace in our time.

New and often explosive social mixtures have overwhelmed our current institutions and modes of decision making. While we continue to focus on the surface level manifestations—dangerous intra- and intercultural tension, threats to environmental sustainability, racial-based conflicts, revenge and pay-back motives, along with growing gaps in affluence and access to technology—the solutions we have to offer appear to often make things worse, not better.

Spiral Dynamics is unique in focusing on the deeper memetic codes that lie beneath our worldviews, belief systems, and behavior patterns. The Human Genome Project is now isolating the role of genetics in impacting our biological DNA and disease potentials. Rather than fault the full moon or guilt-based causes, we now understand the role of genes and other biological agents in causing certain illnesses. In the same sense, this understanding of the underlying vMemetic codes can provide powerful insights into the cultural “diseases” that threaten our very existence.

This presentation will map out

eight core vMemetic codes—*instinctive, animistic, egocentric, absolutists, achievistic, sociocentric, integral, and holistic*—and will demonstrate how they shape our psychosocial cultural “DNA” scripts or conceptual “chords.” The afternoon session will describe the micro, meso, and macro application of this powerful conceptual system, one that has been field-tested in some of the most complex environments on the planet, from inner-city Chicago to racially plagued South Africa. Since our focus is on the deeper vMemetic currents, we can suggest ways to move more quickly in the direction of deep dialogue and “full court press”-type solutions.

The focus will be on the underlying value systems (vMeme currents and contours) in *Building Bridges* among the diverse and even competitive economic, political, health care, education, religious, and community-based models. Everything connects to everything else. This session will use the current Israeli–Palestine crisis as a case study; will focus on the nation building dynamics in Iceland following the financial collapse; and will sketch in the master geopolitical code with the power and precision to facilitate the movement of 6.7 billion humans through developmental layers, waves, and worldviews.

The workshop will offer bold, innovative, and multidimensional forms of *Building Bridges* in the twenty-first century.

Who should attend: Individuals looking for better ways to understand diversity, complexity and change and those seeking practical solutions to complex problems and searching for ways of providing practical methods of creating seamless organizations and societies.

What you’ll learn: Attendees will learn how memetic codes can get to the core of societal problems and even change organizational cultures.

How this new knowledge can be applied: Participants will leave with the knowledge to provide practical solutions to complex problems.



Don Edward Beck, Ph.D., founder, owner of The Spiral Dynamics Group and the global Centers for Human Emergence; faculty, Adizes Graduate School; co-author, *Spiral Dynamics: Mastering Values, Leadership & Change* and *The Crucible: Forging South Africa’s Future*



Elza S. Maalouf, Arab-American futurist and cultural development specialist focusing her work on cultural and political reform in the Arab world. She is the president of the Center for Human Emergence Middle East, a think tank that emphasizes the scientific understanding of cultures. One of the foremost experts on the Memetics of the region, Elza is the co-founder of the Build Palestine Initiative, a movement that started in 2005 and calls on Palestinians to build capacities, institutions and infrastructure.



Said Dawlablani, social entrepreneur and COO, Center for Human Emergence Middle East. A real estate developer and investment counselor turned social entrepreneur, Dawlabani has worked with clients such as Resolution Trust Corporation, the FDIC, US Bankruptcy Court and the Bank of New England.

\$179 Members/\$229 nonmembers

C-7 Foresight Educators Boot Camp

location: Junior Ballroom C

Have you ever wanted to package what you’ve learned about the future and use it as a professional course or student curriculum? Would you be ready if the opportunity came knocking to serve as an adjunct professor to teach futures studies at the community college or graduate level? Can you see yourself launching a “Futures Institute” that offers foresight training for your

school, community, or organization?

The need and opportunity for leadership training in strategic foresight has never been greater in public service or private enterprise. This unique one-day course will give you an edge to open doors and deliver high-quality sessions in both futures thinking and action. It will review both existing resources and share best practices on how to create lesson plans, short courses, and entire degree curricula. Join the new vanguard of futurists who are leveraging what they know to help adults get future-ready.

Who should attend: Consulting futurists, college educators, corporate trainers, community planners, and administrators, or anyone who has something to give as a foresight educator and wants to take it to a higher level.

What you'll learn: How to: (1) assess your own personal, professional, and academic assets as a futures educator; (2) relate futures topics to real-world competencies that your audience needs for professional and personal development; (3) identify training opportunities that futurists can develop within schools, colleges, or companies; (4) create practical foresight exercises, workshops and courses; (5) engage in just-in-time learning when asked to create face-to-face courses or online curriculum; (6) market the importance of foresight education to academic and organizational leaders; and (7) find foresight educators who can mentor you.

How this new knowledge can be applied: Participants will leave with hand-on skills to develop custom foresight courses, curricula, and training. They will be able to present foresight education to key decision makers as a vital skill set for today's students and leaders.



Jay E. Gary, assistant professor, School of Global Leadership & Entrepreneurship, and program director of the Master of Arts in Strategic Foresight at Regent University; member, Association of Profes-

sional Futurists, Virginia Beach, Virginia

Frank Spencer, principal, KedgeForward; lead instructor and coordinator, "The Futures Institute: Shaping Tomorrow Now," Duke University Talent Identification Program Institutes; member, World Futures Studies Federation; Savannah, Georgia

\$179 members/\$229 nonmembers

C-9 Scenario Planning: How to Build and Use Scenarios

location: Junior Ballroom A and B

Nobody can predict the future, but proven tools help us illuminate the path ahead so we are able to make better decisions about opportunities and threats in an uncertain future. The most comprehensive of these tools is scenario planning, a storytelling technique that allows managers to explore different "plausible model worlds," each based on alternative resolution of the most important pending technological, societal, or regulatory uncertainties facing them.

Scenario planning has been adapted for both corporate and for nonprofit/government situations, and there are fundamental differences in these two approaches. In this course we will investigate both types of scenario planning, with a focus ultimately on policy-oriented, public-interest scenario planning.

Following an overview and elaboration of past examples, attendees will get a chance to make and test scenarios in small groups.

The program will also teach participants best practices in extracting the value from scenarios—how to use scenarios to test and improve decision making and how to distill from competing scenarios the optimal decisions that a specific organization in a particular sector at a given time should make.

The program is part of an MBA course, "Industry Foresight and Strategic Innovation," taught by the presenter at various prominent business schools worldwide.

Who should attend: This course is relevant both to futures professionals who seek the tools to work more closely and deeply with client companies and to managers who seek to be better able to develop future insights and apply them in their daily work. It will be relevant to participants from business, nonprofit, and government sectors, with a particular emphasis on executives in public policy and governmental organizations that are required to negotiate, determine, and communicate robust initiatives for managing the future under conditions of external uncertainty.

What you'll learn: Participants will emerge knowing how to build scenarios and with an integrated method for getting from scenarios to strategic decision making and innovation. The course selects the best materials from both academic and business sources, including many past examples, good and bad. It is pragmatic in style and approach.

How this new knowledge can be applied: Attendees will have the opportunity to apply the tools learned to their topic area and to work up scenarios that are directly relevant to their situation. Over the longer term, participants will be able to use the tools learned to develop scenarios of the future in their topic area and use them to challenge their own or others' future thinking and future preparedness, or utilize this as a basis for fundraising or media exposure or other initiatives to positively influence the future.



Adam Gordon, director, Adaptive Leadership Foresight, a consulting and executive education firm specializing in industry foresight and scenario planning for business and public-sector organizations; formerly business school instructor at INSEAD and Monash, Australia; author, *Future Savvy* and *Forbes* magazine; past senior associate, Coates & Jarratt Inc., Washington D.C.

\$199 members/\$249 nonmembers

FRIDAY

9:00 a.m.–5:00 p.m.

7:00-8:30 p.m.

Opening Plenary

location: Grand Ballroom

The Spark, the Flame and the Torch

In this keynote based on Dr. Lance Secretan's latest groundbreaking book, *The Spark, the Flame and the Torch: Inspire Self. Inspire Others. Inspire the World*, he takes us on an invigorating, radical and inspiring journey in which he challenges the very idea of a discipline called "leadership" and proposes, instead, that we first learn how to become inspired (The Spark), so that we can inspire others (The Flame) and create a legacy (The Torch).

What we thought we understood about leadership brought us The Great Recession, and what *Time* magazine called, "The Decade From Hell." Obviously, more of the same will not help us to become inspired again by our corporations and institutions.

Be warned! Get ready to be challenged! First Secretan takes on many sacred cows—mission, vision and values statements, leadership theory, brand management theory, motivation techniques, psychometric profiling, performance management systems and coaching—to name a few, and then describes how alternatives to these ideas have been successfully implemented by some of the greatest organizations in the world. This is a message that unlocks the answers to challenging questions in a crisp, insightful, challenging, and fascinating way and defines a leadership path that will forever change your thinking—and change your life. He shows us how everyone can be an inspiring leader, create inspiring organizations and change the world.



Lance Secretan is widely acknowledged as one of the most insightful and provocative leadership teachers of our time. He is the former CEO of a Fortune 100 company, university professor, award-winning columnist and author of 15 books about inspiration and leadership. His teachings and writings on conscious leadership are courageous, radical and ingenious and have been hailed as among the most original, authentic and effective contributions to leadership thinking currently available. Individuals, entire organizations, cities and states have experienced remarkable transformations through his unique mentoring, wisdom and approach. Thirty of Fortune's Most Admired Companies, and 12 of Fortune's Best Companies to Work for in America, are his clients. Leadership Excellence ranked him among the top 100 Most Influential Thinkers on Leadership in the World and Speakers in America ranks him among the Top Five Leadership speakers.

8:30-10:00 p.m.

Welcome Reception

location: Pavilion and Junior Ballrooms Foyer

A welcome reception with refreshments will immediately follow the opening plenary session. Renew old friendships, and network and socialize with your futurist colleagues.

Futurists: BetaLaunch

location: Pavilion Ballroom Foyer (**Innovation Hall: Your Center for Inventions, Exhibits, Resources, and More**)

The World Future Society and 1X57 present Futurists: BetaLaunch, an exciting selection of inventions and innovations alongside their inventors/innovators. See page 36 for details.

Saturday, July 9, 2011

7:15–8:15 a.m.

New Members' Meeting

location: Finback

8:30–10:00 a.m.

SPECIAL EVENTS

The Future of Business—The Open & Free Business Model

location: Pavilion Ballroom D

future sectors: Business and Careers; Technology and Science

This session will reveal some interesting observations on the paradigm shift taking place in the world of commerce and a business model where “attention” is the new currency will be presented. Thus reshaping the landscape of business as we know it.

The speaker will discuss the need to be more mobile, social, networked and real-time. How a connected world cannot be controlled; because they regroup on the fly without notice.

The business model of the future will be more open and free by today's standards, where reducing control means a bigger share of the market.

Who should attend: Business owners and anyone who consult business owners on multiple fronts, business models etc. Anyone looking for insight on the future of business.

What they will learn: Attendees will learn that it's not business as usual, it's business as unusual, learn to trust the people formerly known as consumers. They will learn that the shift from closed to open is not a simple set of actions or a skill set, but a new way of thinking.



How this new knowledge can be applied: Companies and business owners will have a bigger world view of business, to think, and develop ways to adopt an Open and Free Business Model. Most will have a new way of looking at their business, some will be able to build deliverables to implement or develop with their teams.



Owen Greaves, Owen Greaves Consulting; futurist, thought-leader, keynote speaker, think-tank leader, author, blogger, strategist, Abbotsford, British Columbia, Canada

Grok, Talk, Walk, Rock: Choreography for Four Generations on the Integral City Dance Floor

location: Junior Ballroom A and B

future sectors: Social and Cultural Trends; Learning and Education; Business and Careers



In today's Human Hive, how do generational cohorts align (or not) as they clash, coordinate, collaborate, and constellate? What differentiates those born before World War II from the baby boomers, Gen X, and the millennials? How are these four generations archetypal in their thinking, behaviors, relationships, and systems? Join our quartet as we voice the worldviews, capacities, and complexities of four generational patterns and how we open and/or block effective practices and strategies in today's city. As we Grok, Talk, Walk, and Rock, presenters will reveal the four generational cohorts we represent. Research from Integral City will underline the dynamics of generational values in decision making and resource allocation. This session

will finish with a performance that choreographs cosmic cycles with the resilience cycles of the Human Hive.

Who should attend: Anyone who needs a new paradigm for succession planning. Anyone interested in how generational lifecycles affect city dynamics. Anyone who would like to explore theory, research, and non-linear methodologies for shifting relationships in human systems.

What you'll learn: The theory of generational change and it contributes to resilient human systems. Patterns of human development within generational cohorts. How to work with different cohorts to make a difference.

How this new knowledge can be applied: Within organizations (including all levels of government) to create new generationally sensitive approaches to leadership.



Marilyn Hamilton, founder, Integral City Meshworks Inc.; founder of the Center for Human Emergence; author, *Integral City: Evolutionary Intelligences for the Human Hive*, Abbotsford, Canada



Cherie Beck, practitioner and trainer, Spiral Dynamics; emissary, for Strauss and Howe's seminal work on Generations and Cyclical Change; a certified executive coach; partner, American City Girls



Vanessa Fisher, author, poet, Vancouver, Canada



Barbara Marx Hubbard, author, speaker, and evolutionary educator, and one of the original Advisory Board Members of

SATURDAY
7:15–10:00 a.m.

the WFS, Santa Barbara, California

Reinvigorating Technology Assessment for the U.S. Congress

location: Pavilion Ballroom C

future sector: Technology and Science



This talk will provide a background and overview of the U.S. Government Accountability Office's technology assessment (TA) activities for the United States Congress. It will describe GAO's methodology in conducting TA work, particularly concerning the incorporation of foresight approaches for more strategic TA topics such as the most recent report on climate engineering technologies. Lastly, it will discuss GAO's status on developing metrics and outcomes for TA reports.

Who should attend: Anyone interested in the study and evaluation of new technologies and how they are regulated.

What you'll learn: Attendees will learn how new products and processes affect the operations of businesses and society.

How this knowledge can be applied: Audience members will be made aware of how new technologies are developed and classified.



Timothy M. Persons, chief scientist, United States Government Accountability Office; co-director, GAO's Center for Science, Technology, and Engineering (CSTE), Washington, D.C.

The Six Hottest Technologies Shaping the Future: And What They Will Do For You and Your Organization

location: Grand Ballroom C

future sector: Technology and Science



Since the invention of the wheel, technology has been

a major force in shaping our world and our future. At no time was this more evident than the twentieth century when technology—for good or for evil—broke nearly all the boundaries of the past to create what was to become an almost unimaginable new world.

The twenty-first century is sure to surpass that record of change. What are the six greatest technological developments, the ones that will lead the way to an even newer world? How will they affect your life, both professionally and personally? What do you need to know now to understand the implications of these disruptive and transforming technologies – and to control how they shape your future?

A presentation by two of the foremost pioneers in Futures Research, with more than 80 combined years of advising global corporations, governments, non-profits, educational institutions and the military. Decision-makers at all levels of such organizations will benefit significantly from participating in this interactive session.

Who should attend: Anyone interested in understanding the latest and most significant technologies affecting the global community.

What you'll learn: Attendees will understand the technologies that will have the greatest impact on their lives, workplaces, and communities.

How this knowledge can be applied: Business and organizations can use this information to identify opportunities and transform their organization to meet future needs.



Edie Weiner, president, Weiner, Edrich, Brown, Inc. New York, New York



Arnold Brown, chairman, Weiner, Edrich, Brown, Inc. New York, New York

Unlimited Resources? Saving the Planet while Growing Prosperity

location: Junior Ballroom D

future sector: Environment and Resources



Various analysis show that human civilization is depleting the resources of the Planet Earth. Peak oil, climate change, deforestation, overfishing, fresh water depletion, and more threaten both the future prosperity of humanity and the future state of the biosphere.

What are the limits that nature imposes on human civilization? How do we live within these limits? Is it possible to continue to grow human wealth, prosperity, and capabilities without depleting natural resources?

Ramez Naam paints a picture of human civilization on a planet with incredibly vast resources, stunted by the low efficiency with which we utilize them. With innovation in key fields, he argues, it is possible for humanity to continue growing in wealth and prosperity for centuries without depleting the Earth's resources. In this provocative talk, Naam sketches a roadmap towards a future of incredible wealth on a healthy and thriving planet.

Who should attend: Futurists, educators, students, consultants, energy professionals.

What they'll learn: The audience will learn about world energy trends in the next 40 years, methodologies for the analysis of issues, scenario analysis, and strategies to achieve a desired energy future.

How this new knowledge can be applied: The audience will be able to apply this methodology to any scenario analysis.



Ramez Naam, professional technologist, author, senior associate, Foresight Institute, Seattle, Washington

SATURDAY
8:30–10:00 a.m.

Acquiring Complexipacity: The Universal Imperative of the 21st Century

location: Junior Ballroom A and B

future sector: Learning and Education



There is a growing consensus among academics, policy makers, and business leaders that the decision-making environment is becoming increasingly complex. In the past 24 months, the agenda for school reform in the United States has begun to shift from the basic skills promoted by “No Child Left Behind” to teaching higher-order skills that will prepare students to deal with everyday complexities of future life and work. A recent article in the journal *Futures* even argues that the futures studies field will ultimately become a subdiscipline of complexity science.

What are the characteristics that distinguish a complex phenomenon from one that is “merely” complicated? What are the skills that will enable us to resolve complex issues and questions? And how will we all acquire these skills? In a classroom? Online? Via the open university? Most important of all: What risks do we face if we fail to acknowledge and address the increasing complexities of our economic, environmental, and socio-political circumstances?

The presentation will report on the emerging answers to these questions and explore the long-term implications of growing complexity for the evolution of civilization.

Who should attend: Educators from early childhood to postgraduate and executive development, organizational development practitioners, and individuals seeking greater personal complexipacity.

What you’ll learn: Practical distinctions between “theoretical” and “applied” definitions of complexity, spe-

cific skills and aptitudes for addressing complex problems, techniques for assessing the complexipacity of employees, and alternative strategies by which society will seek to manage its way forward in an increasingly complex world.

How this new knowledge can be applied: Educators will be able to explain to their reluctant stakeholders the compelling need to supplant traditional rote curricula with process-oriented, twenty-first-century skills; recruiting staff will be better able to assess the complexipacity of new recruits and candidates for senior positions.; and individuals will be better futurists.



David Pearce Snyder, consulting futurist and principal partner of the Snyder Family Enterprise, Bethesda, Maryland

Feminism’s Next Frontier: Embracing the Feminine

location: Pavilion Ballroom C

future sectors: Social and Cultural Trends



Karen Lam will lead a discussion on the greatest untapped, underutilized natural resource in the world: the power of feminine energy. Whether we are male or female, we all have access to this energy within us. It is a power source that can help us create radical new possibilities for our collective future.

In our world, the masculine energies of will, intellect, and action are highly developed in both men and women. Our feminine energies of imagination, feeling, and being are suppressed, regardless of gender—such that we don’t even have much language for these important faculties.

Women have a special role to play in the recovery of this energy imbalance. Women have been waging a war

on two fronts—externally, for equality, and internally, with our own femininity. Ms. Lam offers a methodology to heal this imbalance and shares her personal journey as a Chinese woman born into a patriarchal culture and as a facilitator whose expertise lies in helping senior leaders bring personal power to their leadership.

Who should attend: Men and women, activists, feminists—anyone who is interested in learning more about the power of the feminine.

What you’ll learn: Attendees will learn about feminine energies and what they give us; the necessary role of the true masculine; and how the feminine role has been suppressed by men and women alike. They will learn of the important role of women in leading the healthy expression of the feminine and how this can generate big shifts in our external reality.

Participants will learn this material through story, discussion, and self-reflection, with a minimum of lecturing.

How this new knowledge can be applied: In our chauvinistic world, we believe that masculine energy is effective and feminine energy is “weak.” But one has only to look at the state of our collapsing systems—financial, political, social, military, and ecological—to realize that our predominantly masculine paradigm is failing. More of the same will not rescue us. We need to invent a new paradigm altogether, one that rebalances feminine and masculine. The application of this principle provides leaders with a critical tool for solving problems, creating change, and ultimately shaping our future.



Karen Lam, executive coach and communications strategist, a skilled facilitator, and a pioneer in helping leaders communicate with passion and authenticity. Clients have ranged from Disney to the Hong Kong Stock Exchange, from Nobel laureates to Olympic

medalists.

The Future of Language

location: Junior Ballroom D

future sectors: Learning and Education



Of the 6,000 unique languages on Planet Earth, as many as 5,000 could perish by 2050. Accelerating the decline in the diversity of languages is the increasingly globalized nature of communications. On the Internet, for example, 85% of all messages are communicated using only 10 different languages.

At the same time, images and other sensory stimuli are replacing words as tools of communication in business and academic settings. Screens filled with images and augmented by sound have become ubiquitous. Text messaging continues to compress language into shorter and shorter bits and has characteristics that make it distinctive from traditional written language. A plethora of texting phrases, such as LOL (laughing out loud) and IDK (I don't know), become rapidly and seamlessly integrated into the language.

The future of language is at once a simplified plainspeak and a condensed technospeak.

Who should attend: Anyone interested in the evolution of language.

What you'll learn: (1) Dramatic changes in the diversity of spoken and written languages. (2) Increasing dominance of a handful of world languages. (3) Evidence of the effects of text messaging, tweeting, and "bounded communications" on language. (4) The effects of reading and visual/auditory stimuli on vocabulary development. (5) Emerging tools of communication that are replacing words.

How this new knowledge can be applied: The information can be applied to practical applications of business and global communications, as

well as personal development.



Lawrence Baines, author of eight books on education and literacy; chair, Instructional Leadership and Academic Curriculum, University of Oklahoma-Norman, Norman, Oklahoma

Futuring at Local and Regional Level: A Trendbureau Overijssel Experiment

location: Parksville

future sectors: Studying the Future: Methodologies; Global Issues, Government, and Security



Trendbureau Overijssel was established in 2007 by the Dutch province of Overijssel to make political decision-making in the region more responsive to the challenges of the future. Trendbureau Overijssel is an independent network organization that works with stakeholders and research institutes to explore the future for local and provincial government, regional businesses and civil society organizations. Its explorations have included studies into local generation of energy, villages and local democracy.

Trendbureau was evaluated at the end of 2010, and the results of this evaluation will be presented during the session. We will also illustrate the methods used by Trendbureau by looking at local and regional impacts of demographic change.

Overijssel in the east of the Netherlands has a population of around 1.1 million. It is a predominantly rural area with five cities facing urban challenges. Demographics will be considerably affected by an aging and declining population. How can local and regional governments anticipate and react to these trends?

Who should attend: Representatives and advisors of local and regional government, scientists and all parties involved in anticipating future trends at a local and regional level.

All those interested in the impact of demographic change at a regional, town and village level.

What they will learn: How can decision-making in the region be made more responsive to future challenges? Which methods work and which do not? How will the demographic effects of an aging and declining population present challenges for policy?

How this new knowledge can be applied: This knowledge can be used by all those involved in identifying and responding to future trends in the political arenas of villages, towns and regions. Analysis of future demographic trends in Overijssel also offers important implications for policy in other parts of the world.



Hans Peter Benschop has been active in implementing strategic projects at national and local government level for fifteen years, and has managed Trendbureau Overijssel since 2007, Apeldoorn, The Netherlands

From Planning to Action in the Future of Renewable Energy

location: Pavilion Ballroom D

future sectors: Environment and Resources; Technology and Science



Renewable energy resources (wind, solar, and geothermal energy) have become the focus of attention in recent years. Even though they exhibit some very desirable characteristics, such as low carbon emission and mass appeal, it is also true that the implementation of renewable energy sources faces formidable challenges. This session will leverage the existing literature and combine it with energy planners' perspectives in order to consider feasible ways to overcome key difficulties that industry members face in their effort to popularize wind and solar-energy alternatives. This session will

SATURDAY
10:15-11:15 a.m.

also describe how to leverage specialists' knowledge in order to create a shared vision of success to assist policy makers in their goal to reduce national dependency on nonrenewable energy sources.

Who should attend: Those interested in the adoption of renewable energy, the future of energy markets, and how to leverage methods to promote a common agenda/vision of success.

What you'll learn: Participants will learn that the current state of installed capacity in renewable energy does not lend itself to traditional forecasting methods and that the combination of futuring and scenario planning will yield a workable solution. Participants will learn the latest developments in the challenges that the industry faces and the lessons learned of a Delphi panel with industry experts, energy planners, and engineers.

How this new knowledge can be applied: Participants will gain recommendations for how to reach different stakeholders and promote greater understanding among antagonistic industry players.



Romulo Gayoso, staff engineer, Intel Corporation, Chandler, Texas

A History of the Next 10 Years

location: Junior Ballroom C

future sectors: Social and Cultural Trends; Business and Careers; Studying the Future: Methodologies



Many believe that the recent recession has heralded a new era in our social, economic, and political development. If they are right, then the next decade could well be critical to our development over the rest of this century. In many ways, the course of the next 10 years is already apparent. Using the tools of profes-

sional futurists, we can see how the shape of the coming decade has taken form.

Drawing upon the Europe Chapter 2010-11 program, this session will outline some of the models that help us to put the next decade into perspective and will identify some of the key trends that may prove to be formative as events unfold. It will consider developments in the realms of society and politics, and it will take a view on the long-term economic trends that will shape the decade.

Who should attend: Those who are interested in putting current events into a longer-term perspective and wish to gain an understanding of how events might unfold in the near future. This would include those with an interest in business, public policy makers, members of the third sector, and all those with an interest in the next 10 years.

What you'll learn: How we have managed to arrive where we are today and what our reasonable prospects are for the next 10 years.

How this new knowledge can be applied: The session will create awareness of the immediate future to allow those attending to be able to plan more effectively for their immediate future.



Stephen Aguilar-Millan, director of research at the European Futures Observatory, an independent not-for-profit organization based in the UK, and director of The Greenways Partnership, a firm of consulting futurists also based in the UK

Innovations in Accessibility: Designing for Digital Outcasts

location: Port McNeill

future sectors: Health and Wellness, Technology and Science



Introduced by researchers from the University of

Sussex, the term "digital outcasts" is applied to users with disabilities or illness who are left behind as technology advances. The Web now offers new forms of engagement that bring greater fidelity and complexity to the online space; the very concept of "web accessibility" itself has evolved into something deeply immersive and complex. We as designers now face dynamic challenges and opportunities when providing barrier-free digital experiences. How can virtual worlds, geolocation apps, augmented reality and the 3D Web possibly be adapted to users with special needs, and how do we design for them? This presentation will explore the cultivation of digital innovation on behalf of people with physiological and cognitive disabilities, focusing primarily on the health and life sciences industry. Practical examples will include iPad, Nintendo Wii, haptic interfaces, virtual prosthetics, adaptive therapies, text-to-speech functionality, iPhone games and Second Life.

Who should attend: Anyone interested in how inclusive design results in barrier-free digital experiences to accommodate all users.

What you'll learn: Attendees will learn how people with physical and cognitive disabilities use emerging technologies, what gaps currently exist in the design and development of barrier-free digital experiences and what research is being done to support accessibility as a component of innovation. This session will address the business need for inclusive innovation on behalf of digital outcasts, and the steps we can take to ensure that inclusive design remains a priority as technology continues to evolve?

How this new knowledge can be applied: The production of concepts applicable to current healthcare case studies, especially those residing within the invisible populations of people with infirm disabilities who are not yet exposed to technological innovation.

SATURDAY
10:15-11:15 a.m.



Kel Smith, longtime speaker and trainer on digital accessibility, inventor of healthcare-related virtual environment and iPad app for rehabilitation therapy

Minitrends: A New Concept for Translating Emerging Trends into Promising Opportunities

location: Port Alberni

future sector: Studying the Future: Methodologies



The current business, social, and financial environments require new ways to search for and exploit emerging business and technology trends. Minitrends is a new concept that allows individuals and organizations of all sizes to identify, evaluate, and employ emerging trends of a scope and importance to provide attractive business and operational opportunities.

Minitrends are emerging trends that promise to become significantly important within two to five years, but are not yet widely recognized. In this presentation, Dr. Vanston demonstrates how and where to search for and evaluate attractive minitrends, how to develop an effective minitrend exploitation scheme, and how to turn this scheme into a profitable business or operational opportunity. He then provides several Minitrend examples that show how participants can conduct their own Minitrend analyses.

The presentation is based on Dr. Vanston's 30-plus years of experience in identifying and applying technical, social, and business trends and on his new book, *MINITRENDS*.

Who should attend: Individual entrepreneurs and innovators from businesses of all sizes who are interested in taking advantage of opportunities arising from emerging business, social, and technology trends for personal and professional advancement.

What you'll learn: Individual entrepreneurs will learn how to identify,

assess, and exploit attractive new business opportunities. Decision makers in small and medium-sized companies will learn how to gain an advantage by recognizing and utilizing emerging trends. Innovative thinkers in large businesses will learn how to distinguish themselves by their special insights and perceptiveness. Investors will learn how to uncover attractive new investment opportunities.

How this knowledge can be applied: Participants will be able to identify, evaluate, and profit from emerging trends—Minitrends—of a scope and importance to offer attractive business and operational opportunities. The Minitrends concept can provide enhanced professional standing, increased financial security, and greater personal satisfaction to those alert enough to recognize them, perceptive enough to appreciate their importance, and clever enough to take full advantage of them.



John Vanston, founder and chairman, Technology Futures, Inc. (TFI); author, *MINITRENDS: How Innovators & Entrepreneurs & Discover & Profit From Business & Technology Trends*, Austin, Texas

11:30 a.m.-12:30 p.m.

The Future of eLearning

location: Junior Ballroom D

future sectors: Learning and Education; Technology and Science



In the future, we will see a separation of content, coaching, and assessment in learning. This will be facilitated, among other things, by the rapid development of eLearning tools that can be personalized to the individual, the recognition that coaching is crucial to successful learning in the majority of individuals, and the widespread use

of open content.

Who should attend: Anyone interested in learning today or in the future.

What they'll learn: Attendees will learn the foundational reasons for the future that Dr. Andersen will discuss, as well as projects and companies poised on the edges of learning today.

How this new knowledge can be applied: Attendees will be more able to recognize the changes in learning tools and be in a better position to specialize in one of the learning branches.



Maria H. Andersen, learning futurist, The LIFT Institute of Muskegon, Community College; math professor, Muskegon Community College, Muskegon, Michigan

The Future of India

location: Port McNeill

future sectors: Global Issues, Government, and Security



India now boasts a new 3,600-mile highway known as the Golden Quadrilateral (GQ) that links the major cities of Delhi, Mumbai, Chennai, and Kolkata. Indian planners hope that this new transportation artery will help launch the nation's economy into the twenty-first century. There are currently two Indian realities. One is the traditional India of villages where 50% of the population still lives as poor tenant farmers, thatched huts, hand-dug wells full of filthy water, and skinny cows. And now there is the new India of nuclear reactors, middle-class suburban developments, world-class technical colleges, designer coffees, and designer jeans.

The Indian socialism of Gandhi and Nehru, which only a short time ago virtually paralyzed the economy, is now being eclipsed by a unique "made in India" capitalism that has opened its markets to foreign investment,

SATURDAY

10:15 a.m.-12:30 p.m.

launched millions of high-technology firms, and graduated and employed world-class engineers, scientists, and programmers. Their counterparts in North America and Europe look on with concern as they realize that these high-quality professionals will work for one-tenth of their wages.

The GQ is a metaphor for the new India, reinventing itself as a modern nation at a pace that is so rapid that Western observers can only rub their eyes in disbelief. The way this development is taking place is heavily flavored by the Indian character: enterprising, innovative, aggressive, energetic, persistent, but usually good-natured.

This presentation will identify the critical trends that are currently shaping modern India and will attempt to profile what the India of 2050 might look like. The situation in India will be compared and contrasted with that other rapidly developing Asian giant, China. One thing that is certain is that the India of the future will look and behave very differently from China. The challenges and opportunities offered by the emerging Indian economy and labor market will be an important area of discussion.

Who should attend: All individuals, organizations, and stakeholders who are interested in the most significant trends in India today and how these will influence the development of the country in the twenty-first century.

What you'll learn: Participants will gain a broad overview of the most important economic, demographic, technical, and political trends in India today.

How this new knowledge can be applied: Participants will be able to gain a more accurate picture of how India will look, perform, and behave by mid-century. Insights will also be given into how India will likely interact with its geographic neighbors and with its principal trading partners around the globe.



Paul D. Tinari, director, Pacific Institute for Advanced Study, Coquitlam, British Columbia, Canada

Getting Your Future Right

location: Pavilion Ballroom D

future sectors: Studying the Future: Methodologies; Business and Careers



Most individuals and most organizations are just a few steps away from genuinely creating the type of future they want for themselves. The challenge is, that the one or two steps they miss when planning for their future, sees them fall well short of both expectations and desires. In this session we will look at the pragmatic approaches to connecting your desired future with your current position.

Who should attend: This is a highly pragmatic session and will be of lesser value to people with a preference for thinking about "big picture" and theoretical ideas for the future with no requirement to answer the how question for implementation.

Anyone within organizations or individuals looking for a process to help them get their future right, who are looking to overcome the all too frequent failure of plans delivering on desired outcomes, will gain significantly from the model presented.

What you'll learn: That typically

most organizations and individuals miss a few key steps in their future planning and that once they include those missing steps, significant improvements in achievement accrue.

That there are four key stages and 10 essential steps that must be included to ensure a robust connection between the future, planning, and execution phases of moving toward your desired end goals

How this new knowledge can be applied: Perhaps the best thing about this model is that it allows people to bolt the missing steps to their existing planning and future thinking processes.

This enables a ready acceptance and rapid transition toward more effective outcomes. The model helps people make the transition from the theoretical possibility space of futures thinking, and connect it to the operational orientated space of action and execution of plans.

The model presented provides a structured framework for Strategic Planning that also provides for an organic development over time.



Marcus Barber, strategic futurist, one of Australia's top value-systems specialists, assisting clients with advanced strategic thinking and innovation processes; co-presenter on the National Geographic Channel's TV series *Future Matters*; author, Victoria, Australia



C.G. WAGNER

SATURDAY
11:30 a.m. - 12:30 p.m.

SATURDAY
11:30 a.m. - 12:30 p.m.

Healthspital 2.0: Paradigm Shifting the Reinvention of the American Community Hospital

location: Junior Ballroom A and B

future sectors: Health and Wellness; Social and Cultural Trends



Health care is estimated to be a \$2.3-trillion industry and represents 16%–17% of GDP. Its delivery is sickness-intervention based, fragmented, and lacks integration. If the biggest five issues were addressed—appropriate level of care, prevention strategies, chronic care management, end-of-life futile interventions, and the end of waste, duplication, reprocessing, and repetition—there would be better quality and outcomes, with money left over to reinvest in health and wellness pursuits. This model works at the community level and integrates information/social networking technologies with best-practice dissemination. Barriers to implementation are discussed. Audience participation is requested to vet possible improvements to the proof of concept and to utilize futurists' expertise to help eliminate false starts and to highlight components of the model already in existence. The session will complement the article in *The Futurist* (March-April 2011), and a robust bibliography and handouts will be available for further study and networking beyond the meeting.

Who should attend: Health-care providers, hospital administrators, legislators interested in a practical solution to bending the curve/sustainability patients and end users of hospital services, and anyone interested in wellness, well-being, and healthful living.

What you'll learn: The proposed model, implementation strategies, potential barriers, long-term applications toward solving population-wide health issues.

How this new knowledge can be applied: Immediate and direct applicability to own health documentation and maintenance best practice advice ideas to discuss with hospital

administrators locally and politicians to effect change in existing “system.”



Frank W. Maletz, orthopaedic surgeon, Lawrence & Memorial Hospital, East Lyme, Connecticut

Institutionalizing Innovation: Bringing the Best of Industry and Academia to Government Challenges

location: Junior Ballroom C

future sector: Global Issues, Government, and Security



For more than 20 years, Booz Allen Hamilton has been working with industry and academia to discover those innovations at the earliest points in their lifecycle. Leveraging strong processes, a focus on Technology Relationships, and agile communications and knowledge management approaches, Booz Allen works closely with government to assess how new technologies can be employed to solve mission-critical challenges.

Who should attend: Anyone interested in exploring the scientific and technological breakthroughs that will alter our lives and industry in the coming decades.

What you'll learn: Attendees will learn about current research in science and technology.

How this knowledge can be applied: This information can help organizations as well as individuals in the planning process that could transform their lives.



William P. Barnett, Jr., senior associate, Booz Allen Hamilton, McLean, Virginia



Robert Darling, emerging technologies manager, Technology Injection Program

Las Vegas 2020

location: Port Alberni

future sector: Global Issues, Government, and Security



Many cities across the globe are plagued by low efficiency, corruption, high unemployment, high crime, pollution, and low citizen participation in their community. For cities of the future, a dramatic change is needed to ensure optimal allocation of resources and to ultimately provide a higher quality of life for their citizens.

A dramatic, new model for a city government will be introduced. This model is based on a concept of decentralized decision making with a strong centralized execution authority. One of the core ideologies is to motivate good citizen behavior and reprimand destructive conduct. At the same time, modern technology will be used as a key enabler to provide solutions, such as devices for real-time communication between citizens and the government, and a voting system where everyone participates in frequent, mandatory voting on key issues such as crime fighting and education optimization. Finally, a groundbreaking idea for boosting city revenues and job growth will be introduced. The presentation will include a series of illustrations depicting the presenters' vision for the City of Las Vegas in the year 2020 based on the implementation of the ideas discussed in the session.

Who should attend: Public policy personnel, business community, law enforcement, citizens.

What you'll learn: A brand new vision for the city of the future where citizens and business will thrive and where citizen participation truly counts.

How this new knowledge can be applied: The ideas presented in this session can become a platform to help

Complimentary Book to All Registrants

A volume of informative, thought-provoking, and inspiring essays will be provided to all attendees at WorldFuture 2011.

Moving from Vision to Action, edited by Futurist editor Cynthia G. Wagner, will help set the stage for lively discussions and debates during the conference, as well as provide an important resource for futures thinking and scholarship afterwards.

With international contributors from a wide variety of disciplines, the volume promises to offer fresh perspectives about what makes for a “sustainable” future, as well as innovative approaches to building it.

city policy makers, administrators, and planners create a successful strategy for how to get their cities on the right track for the year 2020.

Nils Rasmussen, founder and CEO, international technology company, SOLVER Inc., serves U.S. and international Fortune 500 companies; author of cyber government topics, Los Angeles, California

Christian Schoyen, CEO, international headhunting company, ESR Ltd.; serves U.S. and international Fortune 500 companies ; author of socio-economic evolution derived from cloud-based government/citizen interfaces topics, Los Angeles, California

Lessons Learned: How to Jump-Start Your Own Futures Study

location: Pavilion Ballroom C

future sector: Studying the Future: Methodologies



You believe your organization could benefit from a futures study. Now what do you do? Whom should you speak to in your organization? How would a futures study fit into your organization’s strategic planning unit, if you have one? What methodology should you choose?

How many people and other resources do you need? Can you perform this study with in-house talent or do you need to hire a consultant? How do you determine and justify the cost? How do you develop a study timeline?

We will address these questions and others, drawing upon our experience with three major futures studies conducted by the United States Air Force. Our moderator will introduce the panel members and the futures studies we have participated in. Each panel member will share some lessons learned and invite questions from the audience via index cards, selecting the most common issues to start a discussion of challenges frequently faced by first-time futures study leaders.

Who should attend: Those interested in conducting futures studies for their organizations, especially those leading a study for the first time.

What you’ll learn: Panel members will provide an organizing framework for conducting futures studies, including a survey of methodologies, resources required, potential organizational hazards, and challenges involved in implementing results.

How this new knowledge can be applied: Attendees can tailor the framework presented to suit the given strategic and futures planning needs of their own organizations, guided by the “lessons learned” described by the panelists. This framework will help new futures study leaders orga-

nize their thoughts and activities.



Karen W. Currie, defense analyst, Air Force Research Institute, Maxwell AFB, Alabama



John P. Geis II, director, U.S. Air Force Center for Strategy and Technology; associate professor, International Security Studies, Air University, Maxwell AFB, Alabama



Adam B. Lowther, defense analyst, Air Force Research Institute, Maxwell Air Force Base; director, Air Force Strategic Study 2020-2030; author, *Americans and Asymmetric Conflict*; editor, *Terrorism’s Unanswered Question*, Maxwell AFB, Alabama

Wisdom of Crowds: Reinventing Educational Activism by Creating Linkages

location: Finback

future sector: Learning and Education



How important are linkages to your personal future and to the future of your community? Best seller *Wikinomics: How Mass Collaboration Changes Everything* sends a critical message that individuals can no longer independently learn all they need to know to be successful in the workforce or in their personal lives. In a globally connected world, there is enormous value to tapping into the “wisdom of the crowd” and collaboratively sharing best practices with others.

Join e-learning pioneer Yvonne Marie Andres and financial education specialist Ismo Heikkila for a look at how interactive, real-world projects linking students, mentors, and the world community are offering exciting potential for gains in cultural understanding, financial literacy, and

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career preparedness.

You will have a rare opportunity to meet future-thinking youth and teachers participating in International CyberFair 2011: Take Action and Unite Communities. They will present innovative projects that focus on how the positive actions and contributions of their local citizens have the power to improve, preserve, and unite their community.

Who should attend: This presentation will be of interest to thought leaders working in K12, higher education, and employee education. The session will challenge the audience to move from vision to action—and to move from awareness to practice—by exploring answers to question of what individuals, corporations, policy makers, or educators can do.

What you'll learn: Attendees will learn about social media tools that are reinventing educational activism and empowering people across all industries to become lifelong learners.

How this new knowledge can be applied: This cross-generational panel introduces different innovative scenarios to engage people of *all* ages in meaningful learning exchanges that foster teamwork, encourage workforce preparedness, and create multicultural understanding.



Yvonne Marie Andres, president and founder, Global SchoolNet, Educational Activism: Financial Literacy, Encinitas, California



Ismo Heikkila, national director, Financial Education, T.E. Wealth, Canada

World-Changing Events: Democracy Revolutions, Natural Disasters, and Nuclear Dangers

location: Parksville

future sectors: Environment and Re-

sources; Global Issues, Government, and Security

This session will examine the global implications for the future of recent “wild card” events, including: Internet-facilitated, grassroots democracy movements sweeping the Middle East; a string of earthquakes around the Pacific Rim and ring of fire, focusing on Japan and its combined 9.0 earthquake, followed by a tsunami, and nuclear radiation/meltdown dangers. Middle East events parallel the significance of the fall of Communism from 1989-1991. Nuclear dangers (along with the Gulf’s Deepwater Horizon oil disaster) call into question the future of global energy policy. These and other policy implications for the future will be explored.

Who should attend: Anyone in business who seeks a deeper understanding of the dramatic changes sweeping the Middle East, as well as the triple catastrophe (earthquake, tsunami, and nuclear disaster) now facing Japan, and the policy implications for the future of these developments.

What you'll learn: Participants will learn more details about the unfolding of these grassroots democracy movements sweeping different Middle East countries, the role of the Internet in providing alternative channels of communication to state-run media (without which these uprisings would not have been possible), and the important role of a country’s military in not attacking the people (Egypt) or attacking the protesters (Libya). Participants will also learn details of how Japan is coping with the triple impacts of a 9.0 earthquake, tsunami, and nuclear plant disasters and what the policy implications are for the future.

How this new knowledge can be applied: It is clear that events in the Middle East and Japan are transforming not only those countries and regions, but also the world in general.

Supporting democratic movements in the Middle East instead of dictatorships will



profoundly change the future of the Middle East and other countries’ relationships with the Middle East. The power of people rising up to demand greater participation in their own countries’ futures also has implications for other countries globally. Events in Japan (along with the Deepwater Horizon oil disaster in the Gulf in 2010) are causing a rethinking of energy policy around the world.



Linda Groff, professor, Political Science and Future Studies; coordinator, Behavioral Science Undergraduate Program, California State University–Dominiguez Hills; director, Global Options and Evolutionary Futures Consulting, Playa del Rey, California

Fabienne Goux-Baudiment, French futurist, head of Progetiv Consulting Co.; starting new master’s program in Foresight and Innovation, Universite Angiers, France, beginning Fall 2011; and past president, World Futures Studies Federation, Paris, France



Kazuo Mizuta, Japanese futurist; emeritus professor, Kyoto Sangyo University, Kazuo, Kyoto, Japan

Kamal Mahmoud Shaeer, futurist, Egypt Node Of Millennium Project, Cairo, Egypt

12:30–3:00 p.m.

Futurists: BetaLaunch

location: Pavilion Ballroom Foyer (Innovation Hall: Your Center for Inventions, Exhibits, Resources, and More)

The World Future Society and 1X57 present Futurists: BetaLaunch, an exciting selection of innovations alongside their inventors/innovators. See page 36 for details.

12:45–2:15 p.m.

Saturday Keynote Luncheon

The New Maritime Arctic: Global Connections

*additional registration required

location: Grand Ballroom A and B

future sectors: Environment and Resources



The Top of the World is undergoing extraordinary changes. The Arctic Ocean, the world's smallest ocean, is increasing in many areas not anticipated even a decade ago. A mix of globalization, climate change, and geopolitics is driving the global maritime industry use of this remote region. The complexity and range of issues makes the Arctic Ocean a challenge for public strategic planners and regulators in the Arctic, as well as planners in an array of global industries. Actions to protect Arctic peoples and the marine environment will require unprecedented regional and international cooperation among the Arctic states and such bodies as the International Maritime Organization.

Several notable and recent events during the past 40 years have captured the interests of the global media—for example, exploratory drilling for hydrocarbons off Greenland's west coast, experimental voyages across the Northern Sea Route in the Russian Arctic, groundings of a cruise ship and two tankers in the Canadian Arctic in summer 2010, and the signing of a boundary agreement in the Barents Sea by Russia and Norway. Each of these Arctic events has potential global implications for future maritime governance, natural resource development, and international trade.

Who should attend: Anyone with an interest in the future of the planet, especially in the Arctic and its development, and in cli-

mate change in the far north. Those interested in natural resources, global commodities and international trade, and economics, especially developers and commercial planners.

What you'll learn: Natural resource development is a main driver of use of Arctic waterways. However, there remain many regional and international governance issues to be addressed to enhance marine safety and environmental protection. Strategic thinking and planning will be essential for all Arctic development to sort out a large range of key drivers and uncertainties.

How this new knowledge can be applied: The Arctic can be added to the mix with other regions where natural resource development is emerging. The maritime Arctic is also a case study illustrating an interplay of global forces—climate change, globalization, and regional geopolitics—where modern scenarios thinking and futures tools can be applied to better under the uncertainties in a dynamic and changing place.



Lawson W. Brigham, distinguished professor of Geography & Arctic Policy at the University of Alaska Fairbanks; career U.S. Coast Guard officer and chief of strategic planning; recent chair of the Arctic Council's Arctic Marine Shipping Assessment, Fairbanks, Alaska

2:30–4:00 p.m.

Conscious Evolution and the Future

location: Junior Ballroom D

future sectors: Social and Cultural Trends; Studying the Future: Methodologies



In response to current crises and opportunities, a new worldview is arising called conscious evolution. It connotes the evolution of evolution itself from unconscious toward conscious choice. Through a study of recurring patterns in cosmogenesis, or the creation of new universes, we see crisis after crisis leading to innovation and transformation. What is emerging out of the emergencies? What new “memetic code” will shape how we communicate and shape new ideas for the new millennium? How can we learn from the past to best shape an evolutionary future? How can futurism help discover and communicate the chaotic systems “optimum attractors,” toward which an evolving future might be moving?

Who should attend: Anyone interested in new approaches to foresight, innovations in evolutionary thinking, and the creative generation of innovative approaches to current crises.

What you'll learn: How the discoveries of chaotic change and cosmology, such as the birth of worlds, might shed light on how social and economic systems are evolving in present conditions that at times appear chaotic. The dynamics of memes and other communications processes will also provide insights concerning how the future is changing, affecting all of us.

How this new knowledge can be applied: New understandings of how change occurs, especially within large systems and insights into creative approaches to foresight and future studies.

SATURDAY
12:45–4:00 p.m.



Barbara Marx Hubbard, author, speaker, and evolutionary educator, and one of the original Advisory Board Members of the WFS, Santa Barbara, California



Jerome C. Glenn, director, Millennium Project; co-author, 2010 State of the Future, Washington, D.C.

Sandra de Castro Buffington, director, Hollywood, Health and Society (HH&S), a program of the USC Annenberg Norman Lear Center, University of Southern California, Annenberg School for Communication & Journalism, Los Angeles, California

Kate McCallum, founder of the c3: Center for Conscious Creativity, Los Angeles, California

Cultural Shifts among Global Youths: Part II

location: Junior Ballroom A and B

future sectors: Social and Cultural Trends; Business and Careers



Last year, Erica Orange and Jared Weiner covered a wide-ranging list of trends as it pertains to the future of global youth. They highlighted everything from the growing importance of social networking sites and virtual reality to shifting communications styles and feedback mechanisms to important demographic trends such as skewed sex ratios, an aging—and “younging”—population, and changing household formation. Join them again this year for another robust discussion on an entirely new set of trends that are currently impacting the future of our youth.

Over the past year, a new generation of young people, combined with rapidly advancing technologies, will profoundly alter the landscape of the global workforce and emerge with different skills, jobs, careers, and

ways of living their lives. New subcultures of technologically adept young people have not only evolved across the globe, but also represent a new, robust and powerful market. This panel will explore and help shed light on the social, demographic, and technological shifts occurring in both today’s global youth and future generations.

Who should attend: Educators, business leaders, consultants, and anyone interested in learning more about how future generations will go about organizing their work and life.

What you’ll learn: Participants will be made aware of changing trends and new strategies for meeting the challenges that the changes will create.

How this new knowledge can be applied: Attendees will gain a new understanding of how today’s youth and future generations will use technologies to communicate and work, and they will be able to plan for these new workers in their own organizations and communities.



Erica Orange, vice president, Weiner, Edrich, Brown, Inc., New York, New York

Jared Weiner, vice president, Weiner, Edrich, Brown, Inc.; board member, World Future Society, New York, New York

Current and Future Trends in Intelligence, Security, and Law Enforcement

location: Pavilion Ballroom D

future sectors: Social and Cultural Trends; Studying the Future: Methodologies; Global Issues, Government, and Security



This panel will highlight current and future trends including (but not limited to) social, economic, technological, environmental, political, and legal arenas that are and should be impacting

the vision of policing in the future.

As with many futures discussions, these considerations are likely to raise more questions than provide answers, since some of these trends will have direct effects on public safety in the global community. The difficulty emerges as to when, where, and why various levers may be relevant. The concept of moving from vision to action in policing requires assessment of both opportunities and challenges. By examining trends in public safety, citizen and societal concerns for privacy, civil and human rights, and other societal-level dynamics, some of these dilemmas become clearer. This panel will examine these issues with an eye toward intelligence, security, and law enforcement practices that the future may hold.

Who should attend: Security professionals, military and law enforcement personnel, business and industry professionals.

What you’ll learn: Identification and discussion of emerging trends and the debates surrounding the implications of these trends for privacy, security, and public safety in the near-term future.

How this new knowledge can be applied: This knowledge can assist individuals in determining and judging for themselves possible, probable, and preferable futures for their communities, their businesses, and themselves through assessment of current and future trends that will be discussed.



John Jarvis, FBI criminologist and chair of the PFI/FBI Futures Working Group, Quantico, Virginia



Joseph Shafer, faculty member at Southern Illinois University, vice chair of the PFI/FBI Futures Working Group, Carbondale, Illinois



Bud Levin, faculty member at Blue Ridge Community College, staff member of the Waynesboro, Virginia, Police Department, Fishersville, Virginia

Michael Buerger, faculty member, Bowling Green State University; member of PFI/FBI Futures Working Group, Bowling Green, Ohio



Alan Youngs, former division chief, Lakewood Colorado Police; founding member of the PFI/FBI Futures Working Group; former president, Police Futurists International; 2011 conference program committee, Lakewood, Colorado

The Future and Urban Health Equity

location: Parksville

future sectors: Health and Wellness; Global Issues, Government, and Security



Health equity is likely to be the next civil-rights movement. Differences in health that are avoidable and unfair define health inequity. And there are great health inequities everywhere, including in the world's cities, as revealed in the recent report of the WHO Commission on the Social Determinants of Health. This session will present the state of health inequities and the factors and forces leading to either greater or less inequity in the future within and among the world's cities. This will feature the work of the Institute for Alternative Futures on disparity-reducing advances in the United States and the Rockefeller Foundation's Global Research Network on Urban Health Equity. Topics will include the relationship of urban planning, social conditions, climate change, globalization, urban and regional governance, and technology to

urban health equity.

Who should attend: Government officials, business people, planners, and individuals interested in health care and equity; individuals concerned about the future of their community's and country's health; and people interested in how the United States, Canada, and beyond can develop systems for fairness in health.

What they will learn: Determinants of health; the relevance of health equity to urban planning, social conditions, climate change, globalization, urban and regional governance, and technology; and major advances that could reduce health disparities—e.g., healthy public policy.

How this new knowledge can be applied: This information can be applied to considering or reconsidering the aspirations and planning of your organization—whether you are in the health field or a broader field.



Clem Bezold, founder and chairman of the board, Institute for Alternative Futures; contributing editor, *The Futurist* magazine; member, Association of Professional Futurists, Alexandria, Virginia

Trevor Hancock, population health promotion consultant, Victoria, BC

The Living City Challenge: Creating Restorative Future Cities

location: Port Alberni

future sectors: Environment and Resources; Social and Cultural Trends; Technology and Science



The Living City Challenge redefines the future of architecture and communities into a radical new low-tech vision that is more integrated with nature and connects people. While LEED buildings offer a checklist, Living Buildings restore the environment and communities by creat-

ing more energy than they need, developing a sense of beauty, cultivating social networks, and incubating new businesses. Building densely with mixed uses, shifting to walking, biking, and transit, and Do It Yourself (DIY) practices of co-creating and co-constructing emergent cities engages people. Some cities have charted a bright green future while others are self-destructing. 2050 cities are shaping their futures today.

Who should attend: Anyone interested in urbanization, sustainability, and radically transforming 21st Century cities into robust communities and healthy lifestyles that balance planet, people, and prosperity.

What you'll learn: Participants will learn about bright green technologies, social technologies, and community building that create lively future cities, using real world experiences.

How this knowledge can be applied: People will expand their ideas about green cities, and be able to work with their clients and communities towards creating restorative environments and thriving cities.



Cindy Frewen-Wuellner, architect, founder of Frewen Architects Inc, and adjunct professor of Strategic foresight in the Futures Studies graduate program, University of Houston, Leawood, Kansas

Jason McLennan, CEO, Cascadia Green Building Council, author Living Building Challenge Standard, created the next new paradigm for sustainable building, Seattle, Washington

A Societal Strategic Foresight Capacity: Prospects and Possibilities for Canada

location: Pavilion Ballroom C

future sectors: Global Issues, Government, and Security



SATURDAY
2:30–4:00 p.m.

A panel exploration of the (a) nature of, (b) need for and (c) pathways (strategies) towards the creation of a societal capacity for strategic foresight. Canada is the case we will consider, but much that is explored will be applicable to other jurisdictions. Today, a few jurisdictions have a government or private (corporate or think tank) foresight capacity; none have a societal capacity that is open to all citizens to both contribute to and use as they see fit. The thesis of this session is that such a societal capacity is a condition for sustained societal success in the twenty-first century.

Who should attend: Thought leaders with a passion for the success of their whole society/economy and not just their own enterprise. Persons who are willing to think and strategize about the creation of the conditions of success for the societal ecology within which they live. Persons who know that if ideas are not embodied in institutions, not much happens.

What they will learn: 1. The nature of a societal capacity for strategic foresight. 2. The case for the creation of a societal capacity for strategic foresight. 3. Pathways that lead to the creation of a societal capacity for strategic foresight and what steps are being taken in Canada.

How this new knowledge can be applied: Canadians can figure out how they can participate in and contribute to the creation of a societal capacity for strategic foresight. Others can use what they learn to develop strategies for the creation of a societal capacity for strategic foresight in their own country.



Ruben Nelson, executive director of Foresight Canada. He is Canada's most widely-experienced teacher and practitioner of the next generation of strategic foresight. Lac Des arcs, AB, Canada



Axel Meisen, president, Canadian Commission for UNESCO, Edmonton, Canada

Peter Padbury, director, Forward Scanning, Policy Research Secretariat, Ottawa, Canada

Suzanne Stein, associate professor, Foresight, OCAD University, Toronto, Canada

Strategies for the Technology Revolution: Applying Techcast's Results

Location: Port McNeill

future sectors: Technology and Science; Business and Careers; Studying the Future: Methodologies



Panelists from Techcast's panel of 100 experts discuss Techcast's technology forecasts in the fields of e-commerce, energy and environment, information technology, medicine and biogenetics, manufacturing and robotics, space, and transportation. Then, drawing on techniques from strategic planning and futures studies, suggest strategies for business and government to head off threats like the Global MegaCrisis, develop new products and services and generally adapt to a difficult future.

Who should attend: Corporate and government executives, strategic planners, marketers, scientists and engineers; professional futurists and management consultants; university and college science, engineering, business and economics, and political science faculty and students in those fields.

What you'll learn: Attendees will learn the substance of Techcast's most strategic forecasts including the times when key technologies are likely to be adopted by significant numbers of users, driving forces for and against adoption of the technologies and potential direct and indirect markets likely to be created by adoption of the technologies. They will gain new insight into how society as a whole, their organizations and they personally can benefit from the technology revolution.

How this new knowledge can be applied: Executives and consultants will be equipped to implement key technologies within their organizations or advise clients on how to do so. Government representatives will make informed decisions on direct development and subsidization of new technologies. Faculty and students will incorporate current forecasts of the capabilities, benefits and costs of the most important emerging technologies into their research and scholarly writing.



William E. Halal, president of Techcast; professor emeritus of Science, Technology and Innovation, George Washington University, Washington, DC, and author of Technology's Promise: Expert Knowledge of the Transformation of Business and Society, Washington, D.C.



Kenneth W. Harris, field editor, Techcast Managing and Transportation; Secretary, World Future Society; chairman, The Consilience Group, LLC, a futurist consultancy, Bethesda, Maryland

James Kadtko, former executive director, Accelerating Innovation Foundation; senior scientist and policy analyst, US National Nanotechnology Coordinating Office; information technology editor, TechCast; former Congressional staff; Washington, D.C.



Laura Huhn, researcher/writer, Philadelphia, Pennsylvania and New York, New York

Micah Tapman, partner at Quest Consultants LLC, the director of the security practice, and assists business development; former Marine and program manager at SAIC, where he led the Treasury security program, Rockville, Maryland.

Teaching Foresight and the Future: An Overview

location: Junior Ballroom C

future sectors: Social and Cultural Trends; Learning and Education



What challenges face learning foresight and futuring? A panel of five contributors frame this and other questions faced in teaching futures. All panelists are authors from a recent issue of the *Journal of Futures Studies*.

Each panelist investigates the rationale, assumptions, and historical “location” of foresight teaching and learning. Peter Bishop emphasizes the value of foresight teaching in the backdrop of the ever-increasing pace of change. He demonstrates that change concepts and principles are fundamental for every learner. Verne Wheelwright elaborates the contextual and historical background as the “Next Wave” of futures learning. This new stage in its development reflects a growing desire to need, learn, and use foresight tools, topics, and approaches in living and working. Gary Marx complements Wheelwright by pointing to the growing demand for the implementation of a futures mindset and challenges of teaching and learning futures and foresight. Dave Stein investigates the didactic nature of futures and foresight studies, revealing multiple perspectives.

Who should attend: Educators, corporate trainers, and those interested in learning about teaching and learning the future will find this session worthwhile.

What you’ll learn: Attendees will be made aware of the challenges facing teaching and learning foresight and futuring, tasks that extend beyond classrooms, schools, colleges, and corporate training rooms. Those who attend this session will come to see the characteristics of futures learning, as well as the perspectives, tools, and techniques for effectively imparting futures knowledge and understanding—an expansive and

emerging field. The spectrum of “how to” impart content and tools regarding the future is an ever-emerging issue.

How this new knowledge can be applied: Participants will be better able to frame the context and structure that guides crafting of foresight and futures teaching and learning strategies. Hence, they will be grounded in the current milieu surrounding learning about foresight and futuring.



Peter C. Bishop, director, Futures Program, University of Houston, Clearwater, Texas



Gary Marx, president, Center for Public Outreach, Vienna, Virginia



Dave Stein, editor in chief, *Futuretakes*; Center for Transcultural Foresight, Inc.



Stephen F. Steele, organizer, professor of sociology and futures studies, Anne Arundel Community College, Institute for the Future, Arnold, Maryland



Verne Wheelwright, founder and president, The Personal Futures Network; author of *It’s Your Future ... Make It a Good One!*, Harlingen, Texas

4:15–5:15 p.m.

Education in the Postliterate Age: Get Ready, the Future’s Already Here!

location: Port Alberni

future sector: Learning and Education



A recent *Harvard Magazine* article entitled “Professor Video” declares, “Images now dominate a new style of teaching in which visual, audio, and interactive formats rule, often trumping words [textbooks and lectures] as the dominant means of communication. . . . [N]ew technologies, and a generation reared on them, are propelling the modes of teaching toward nonverbal media and briefer, more compact transactions.” Harvard, like many universities in electronically developed countries worldwide, is already rapidly replacing books and lectures with interactive instructional videos and audio podcasts. Instead of handing in term papers, students get graded on video clips they’ve made with digital cameras, cell phones, or computer webcams. Studies show that, while students’ reading and writing scores are falling, their IQs are rising. We are living in the midst of a monumental shift in how we educate and in how we understand both what education is and what it should be. What student learning outcomes (SLOs) do we want to produce, what curricula do we need to design to achieve those SLOs, and what information technology do we need to make available to students to support their learning? Listen to the experts, and share your thoughts on this vital issue.

Who should attend: Anyone—from those working in education, business, and government to parents, grandparents, and students themselves—who want to be involved in understanding today’s education.

What you’ll learn: Attendees will get updated on how emerging technologies are replacing the traditional classroom/lecture/textbook approach to education and will take away ideas about how this shift will impact everyone and every aspect of society.

How this new knowledge can be applied: Attendees can use this panel discussion to decide how to define their work/production methods so that they coincide with the skills that young people entering the workforce

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possess. If your newly-hired people possess excellent visual and auditory skills, but not reading-writing skills, then you need to shift your method of operations away from text documents and toward visual and audio information access.



William Crossman, founder/director, Comp-Speak 2050 Institute for the Study of Talking Computers and Oral Cultures, Oakland, California

Stacey Aldrich, state librarian of California; board of directors, Association of Professional Futurists; respected library futurist, Sacramento, California

Emerging Economies: World Concert in 2025

location: Pavilion Ballroom D

future sectors: Social and Cultural Trends; Global Issues, Government, and Security



The international system built after World War II will be almost unrecognizable by 2025, due to increased emerging powers, global economy, and a historic transfer of wealth and economic power from West to East. The future of nations depends on the responses to the change of the human paradigm and of the international reality.

Some of the trends for 2025 are: alliance of emerging economies, decrease of energy resources and of water and food, international networks, and isolationism and protectionism of the United States.

Who should attend: Decision makers, entrepreneurs, academics, and the general public.

What you'll learn: Knowledge of the circumstances in the developing world and the effect on other organizations.

How this new knowledge can be applied: Attendees will learn how na-

tions should work together for a preferable future.



Julio A. Millán, president of the Mexican Chapter of the World Future Society and member of the Global Advisory Council; chairman and CEO of Coraza Corporación Azteca, S.A. de C.V., consulting enterprises

The Myths of Progress and the Future of Foresight

location: Junior Ballroom A and B

future sector: Social and Cultural Trends



There is no doubt that humans have made technological progress, from the first bone tool made real in Stanley Kubrick's iconic movie *2001: A Space Odyssey* to self-replicating nanobots and "Moral Machines." Yet, each new human life is born naked, screaming, and ignorant. Humans do not progress in the same way that technology advances. In visioning the future, there is no guarantee that humans as humans will trend as does technology. In fact, children are strangely absent from visions of the future such as those promulgated by extropians. Yet, these newborns are the future. In a technology enhanced, wired world, there are no guarantees. What do all the insights from the tools of foresight tell us?

Who should attend: Educators, policy makers, ethicists, social scientists, and new media developers.

What you'll learn: Attendees will learn the future role of education in a wired world and the role that youth play in defining and determining "progress."

How this new knowledge can be applied: Participants will learn how to measure "progress" in a wired world and the potential consequences of how we measure progress.



Tom P. Abeles, president, Sagacity, Inc.; editor, *On the Horizon*, Minneapolis, Minnesota

Reinventing Civilization with the ARC City: Part of the In-Harmony System

location: Junior Ballroom C

future sectors: Environment and Resources; Technology and Science; Social and Cultural Trends



The ARC City is the first Eco-City concept to totally harmonize with nature in a symbiotic pattern. By eliminating the car, sprawling megacities, and long-distance supply lines of food, water, and energy, the ARC City will redefine future habitats and lifestyles.

Our goal is to identify the important ecological elements, anticipate human needs, and create a futuristic city that becomes part of a network of human activity within the framework of nature. The current problems of human interaction with the earth have been identified. Solutions have been created that become part of a common denominator to live in a simpler way that allows us to maintain most of our present lifestyle patterns. We have utilized modern technology, but rearranged it to be more harmonious and life-sharing.

Who should attend: People who love nature, who are concerned about their children's future, and who want to live life more efficiently and effectively.

What you'll learn: There is a viable alternative to the world we live in. We do have a choice.

How can this new knowledge be applied: This knowledge will be useful for participants seeking a more harmonious lifestyle.

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Robert Daniels, director, The ARC City/In-Harmony System focusing on integrating deep ecology into human civilization, Miami, Florida

Seven Keys to Developing a Profitable Career as a Futurist

location: Pavilion Ballroom C

future sector: Business and Careers

Futurists receive strong training in many of the methodologies that help organizations anticipate and plan for the future. However, few receive any training regarding how to help companies understand the business benefits of their services. This session will provide seven keys that every futurist should know to be successful in the business of being a futurist.



Who should attend: Anyone who is interested in making a living as a futurist or interested in improving his or her ability to promote and secure lucrative client engagements.

What you'll learn: Attendees will learn (1) the role of assessment tools, (2) developing a clear and distinct focus, (3) the value of publishing work, (4) how to create a platform, (5) how to create a strong network, (6) developing a public presence, and (7) discovering and developing their intentional difference.

How this new knowledge can be applied: Participants will use this knowledge to focus their business efforts where they can get the highest return, enabling them to make a business case for the value they provide organizations. They will understand the importance of branding their work and creating distinct public recognition.



Rex Miller, senior partner, TAG Consulting; founder, thought leader, Mindshift; author, Southlake, Texas

StrategyNZ: Developing the Long-Term Strategic Direction of a Country

location: Junior Ballroom D

future sectors: Global Issues, Government, and Security; Studying the Future: Methodologies; Social and Cultural Trends



This is the third of three papers that focus on the how a small country at the bottom of the planet can use futures studies to develop and design a sustainable future. The first two were presented at the WorldFuture conferences in Chicago (2009) and Boston (2010). This final paper presents the results of the Sustainable Future Institute's future thinking initiative, StrategyNZ: Mapping our Future. The March 2011 event, held in Wellington, New Zealand, is an attempt to create an innovative way of exploring the long-term direction of a country. In doing this, it draws on futures studies, strategy development, and sustainable development to inform and design alternative strategy maps. However, the focus is not only on the design of a variety of long-term strategies, but also on ways of communicating those strategies to the general public to invite wider debate.

Who should attend: Anyone interested in assessing or developing public-good initiatives aimed at exploring the long-term direction of a country. Ideally, attendees may represent individuals or institutions interested in pursuing similar initiatives in countries around the world, such as StrategyAustralia, StrategyUS, StrategyChile, and/or Strategy Singapore.

What you'll learn: How to develop foresight, strategy maps, alternative

futures, scenarios, innovative public participatory processes, the preparation of a futures workbook, an e-book by attendees, and much more.

How can this knowledge be applied: This knowledge can be used to (1) show how future thinking tools can be integrated, (2) develop foresight for countries and (3) provide insight into the design, implementation, and assessment of innovative public participatory processes that aim to improve the quality of thinking about the long-term direction of nation-states.



Wendy McGuinness, chief executive, Sustainable Future Institute; New Zealand Chapter chair of the World Future Society; New Zealand Node chair of the Millennium Project; institutional member of the World Futures Studies Federation; member, Association of Professional Futurists, Wellington, New Zealand



Peter C. Bishop, associate professor, College of Technology; director of the graduate program in Futures Studies at the University of Houston, Clearwater, Texas

A Systems View of the Cultural Personality: A Mimetic Approach to a Better Future

location: Parksville

future sector: Social and Cultural Trends



A systems view of cultural personality will be explored in an attempt to find a mimetic approach to a better understanding of our future. A systems view here, referring to the basic structure of our existence, shows how memes get transmitted from parent to child, peer to peer and transferred between different generations and between

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people separate from the mother culture.

It introduces a more complete definition of culture in the sense that it covers interactions between humans and their physical environments, and the transmission of memes throughout all 11 model phases of human existence.

Who should attend: Teachers of all levels with a futurist view who are involved in cross-cultural subjects, inter-cultural communication, and business leaders and consultants or anyone who has to deal with people from another culture.

What you'll learn: The participants will learn how to understand the relationship between the mother culture and other cultures, in other words, to understand how memes work into you and others.

How this new knowledge can be applied: Outlining a basic chain of personal memes will help us understand our thinking about ourselves: to know ourselves will lead to a better understanding of others. This, in turn, helps us understand how creative you have to be in cross-cultural situations, which will lead to a better solution in the situation where people from outside of your mother culture are involved. It will be one big step toward peace.



Kazuo Mizuta, futurist; professor emeritus, Comparative Culture Studies, Kyoto Sangyo University, Hyogo, Japan

State of the Future: New Research from the Millennium Project

location: Port McNeill

future sectors: Studying the Future; Methodologies; Global Issues, Government, and Security



After a short global briefing drawn from the *2011 State of the Future*, results of other research from The Millennium Project will be

shared and discussed with the audience. The United Nations is planning to create world water scenarios; the last set were produced 10 years ago. The Millennium Project has produced the international research for the new set of scenarios with UNESCO; results will be shared and discussed with the audience. Collective Intelligence is becoming a buzzword around the world, as many are beginning to explore how to create or improve it. Two approaches will be shared: one for an early warning system for the Prime Minister's Office of Kuwait and another for the Global Climate Change Situation Room in South Korea. New advances with the State of the Future Index (SOFI) and environmental security will also be discussed.

Who should attend: Those who would like to explore a framework to understand global change and prospects for building a better future; future-oriented consultants who want updates on futurist research projects and innovations; teachers of futures studies looking for course materials; and policy advisors in governments, international organizations, businesses, and NGOs, who need new insights on global challenges.

What you'll learn: Participants will learn about global futures research projects in water, environment, applications of collective intelligence, and an executive overview of the global challenges and the state of the future index as frameworks for thinking about the future and understanding global change.

How this new knowledge can be applied: You can apply this knowledge by creating a collective intelligence and/or a state of the future index in your own organization, by consulting to other organizations to create their own systems, and by adding this as a subject in university instruction. The global water scenario research, global challenges, and environmental security can be used as input to your strategic planning process, and as content for teachers of futures courses.



Jerome C. Glenn, executive director, The Millennium Project; co-editor, *Futures Research Methodology Version 3.0*; co-author, *2011 State of the Future*, Washington, D.C.



Theodore J. Gordon, senior fellow, The Millennium Project and inventor of the Real-Time Delphi; co-editor, *Futures Research Methodology Version 3.0*; co-author, *2011 State of the Future*, Old Lyme, Connecticut

Elizabeth Florescu, director of research, The Millennium Project, and co-author, *2011 State of the Future*, Washington, D.C.

6:30–8:00 p.m.

DIY Learning: The Global Education MAKEover

location: Grand Ballroom

future sector: Learning and Education



Dale Dougherty is the founding editor and publisher of MAKE, which is a division of O'Reilly Media, Inc. He also organizes Maker Faire, a newfangled fair that showcases DIY approaches in arts, crafts, science and engineering. At this SPECIAL BONUS session he will discuss how this emerging maker culture is leading to grassroots innovation and re-making education globally!



Dale Dougherty, general manager, Maker Media, MAKE Magazine and Maker Faire, O'Reilly Media, Sebastopol, California

8:00-10:00 p.m.

Futurists: BetaLaunch

location: Pavilion Ballroom Foyer (**Innovation Hall: Your Center for Inventions, Exhibits, Resources, and More**)

The World Future Society and 1X57 present Futurists: BetaLaunch, an exciting selection of inventions and innovations alongside their inventors/innovators. See page 36 for details.

Futurists: BetaLaunch

8:00-10:00 p.m.

Tech Cocktail Vancouver

location: Pavilion Ballroom Foyer (**Innovation Hall: Your Center for Inventions, Exhibits, Resources, and More**)

Tech Cocktail is a literal “cocktail of emerging technology news, people, startups, products, and innovations” for the true tech enthusiast. The Tech Cocktail team of tech analysts and curators bring a unique point of view to TechCocktail.com as they scour the Web and world in search of new products and services, fresh voices, interesting leaders, hot news and trends, how-to’s and more.

Founded in 2006 as a simple community-building event, Tech Cocktail has morphed over the years into a full-fledged tech news blog and media company with thousands of fans, followers and supporters across the globe. Tech Cocktail has hosted local mixers, breakfasts, conferences, festivals and other events across the country that have attracted thousands of attendees, helping entrepreneurs by educating as they showcase their latest achievements and the local technology communities they live in. In addition to Vancouver, Tech Cocktail has hosted large events in Chicago, Washington D.C., Boston, Boulder, San Francisco, San Diego, Barcelona, Austin and more.

TECH[™]
COCKTAIL

SATURDAY
8:00 – 10:00 p.m.

Friday 8:30 p.m.–10:00 p.m.

Saturday 12:30 p.m.–3:00 p.m. and 8:00 p.m.–10:00 p.m.

Sunday 12:00 noon–2:00 p.m.

Futurists: BetaLaunch

Location: Pavilion Ballroom Foyer (**Innovation Hall: Your Center for Inventions, Exhibits, Resources, and More**)

The World Future Society and 1X57 present Futurists: BetaLaunch, a “tech petting zoo” showcase featuring an exciting selection of inventions and innovations alongside their inventor/innovator.

Idea: StartSomeGood

Alex Budak • alex@startsomegood.com •
<http://startsomegood.com> • Twitter: @StartSomeGood •
Facebook: StartSomeGood • 650-678-3569

StartSomeGood empowers people from around the world to become social innovators. By connecting social entrepreneurs with the financial and intellectual capital they need to transform an idea for improving the world into a reality, together we can turn ideas into action and impact.

There is no shortage of problems in the world, and no shortage of people with ideas to address them, yet these people lack the resources that they need to get started. StartSomeGood provides social entrepreneurs with a platform to raise start-up funds and build a community of supporters—all in a fun, engaging and community-driven way. Our site taps into the power of the crowd, allowing social entrepreneurs to ask for small amounts of money from supporters from around the world, and gives them the tools to update their supporters, provide unique rewards in exchange for support and run multiple campaigns over time.

We’ve taken the crowdfunding model—which is growing in popularity world-wide—and customized it to reflect the unique needs of social entrepreneurs.

Idea: Smartup

Nicolas Bertrand • nick@smartup.com • <http://smartup.com>
• Twitter: @nickbert • Facebook: Smartup • 415-738-0508

Smartup is a free Web site that is a coach for your brain to optimize intelligence, wellness and productivity. It relies on these scientific principles:

1. Spacing effect: The best way to remember something

Futurists: BetaLaunch

forever is to remind it to you four times at exponentially increasing intervals.

2. Humans need coaching: positive reinforcement and motivation are necessary whether you are training for the Olympics or for your high school finals.

3. Context is paramount: our brains learn better when knowledge is presented in the context in which it is needed.

Instruction on how to try the site can be found at: <http://smartup.com/?q=try>.

Idea: The Seasteading Institute

Simon Pickup • si.pickup@gmail.com •
<http://seasteading.org/> • Twitter: @Seasteading •
Facebook: The-Seasteading-Institute • 778-318-7200

The Seasteading Institute is an umbrella organization that seeks to enable seasteading communities—floating cities—which will allow for experimenting with new ideas for government. By approaching government as industry and by following the spirit of entrepreneurship, the Institute aims to inject innovation and competition into government, leading to better societal architecture.

Today, it is nearly impossible for people to test new ideas of governance, even at a small scale, because existing governments claim all land on earth. Most governments base their political and legal systems on archaic doctrines that do not adapt easily to modern research or technologies. For example, decades of Nobel Prize winning economics research is not embraced in democracies where politics incentivize voting for short-term political gains. The sad reality is that governments rarely make significant changes without violent coups or revolutions. The world is in urgent need of a place where new societal models can be tested peacefully, and the ocean is the last place on earth where

new nations can be created.

To achieve our vision, the institute is pursuing a strategy to make seasteading sustainable—technologically, legally and financially. Our efforts are divided between movement building and research. Our movement building work inspires people to join our community and to take steps to become seasteaders. Our research is focused on the core engineering, legal, and business challenges that need to be understood in the short term in order to launch the first seasteads.

We plan to have a proof-of-concept “shipstead” operating by 2015.

Idea: SkyTran: 21st Century Silicon-Based Transportation

Douglas Malewicki • DMalewicki@cox.net •
www.SkyTran.net • 949-559-7113

3,000,000,000 automobiles by 2050! Congestion, accidents, fossil fuel pollution, CO₂ and noise. Can Earth survive? SkyTran™ is the solution.

SkyTran’s “packet switching for people” will revolutionize centuries old human-guided transport.

Our first MagLev prototype is operating at NASA Ames.

SkyTran eliminates congestion. Board the ultra-light 2-passenger vehicle. Say or touch-select your destination. Then relax. SkyTran’s computer chauffeur drives you on elevated guideways, safely above traffic with closer vehicle spacing and higher speeds than automobiles. Two-way SkyTran guideways carry more passengers than 6-lane freeways.

SkyTran prevents accidents. No intersections, obstructions or impaired drivers. Safe, automated, individualized routing to your destination.

SkyTran reduces pollution. SkyTran’s ultra-light, streamlined vehicles use 95% less energy than cars. MagLev and track-powered linear electric motors are silent and eliminate mechanical maintenance. Passive MagLev replaces tires; silicon replaces moving parts. Transitioning half of the U.S.’s annual 3 trillion car miles to SkyTran will eliminate 50% of oil imports while only increasing electricity consumption by 6%.

SkyTran is cost effective. Mass-produced, ultra-light vehicles and guideways consume a minimum of raw materials. This directly impacts systems cost. Modularity reduces on-site construction costs/time and encourages rapid wide-scale deployment. SkyTran eliminates expensive right-of-ways because guideways and portals are installed above sidewalks and inside buildings to reach close to work and home.

SkyTran’s high capacity, low maintenance, and energy efficiency reduce annual operational costs. SkyTran will be profitable—unlike government subsidized mass transit. Profits, not increased taxes, will expand networks.

Idea: Guardian Watch

Dr. Gordon Jones • gordon@guardianwatch.com •
www.guardianwatch.com • Twitter: @GuardianWatch •
Facebook: GuardianWatch • 706-922-0458

It is my honor to introduce Guardian Watch™ where our mission is to save lives around the world through visual awareness.

Our patent pending mobile apps allow anyone with a mobile device to stream video and report emergencies in real-time (our current post time is 5 seconds) alerting local law enforcement and members of their neighborhood with their GPS location and a visual of what is going on at the scene. Additional innovations to the technology include allowing 911 and first responders to text to the observer while the live stream is active, to give directions and ask questions of the observer.

Visit GuardianWatch.com to sign up for our monthly newsletter, connect with us at Facebook.com/GuardianWatch, and/or follow us on Twitter.com/GuardianWatch.

Idea: Motorola Headset Computer

Nicole D. Tricoukes • nicole.tricoukes@motorolasolutions.com •
www.mygoldeni.com • Facebook: Tricoukes • 631-738-3074

Motorola and Kopin Corporation are developing a hands-free computer and communications headset. This new device category is a head-worn, mobile computer headset with full voice, audio, and PC capabilities, leveraging Kopin’s advanced system and micro-display technologies to create a virtual 15-inch monitor that supports simulation software, streaming video on-demand and other large-screen enterprise applications.

This new category of wearable computer provides hands-free remote control and instant access to digital information and broadcast programming. Access is also available for Internet services, including streaming video over Bluetooth and Wi-Fi, allowing simultaneous real-time interface with multiple mobile devices, servers and networks. These unique capabilities are enabled through a gesture- and voice-recognition-based user interface.

Idea: IVDiagnostics Non-Invasive Diagnostic Medical Device

Frank Szczepanski • frankszczepanski@comcast.net • www.ivdiagnostics.com • 219-840-0007

A non-invasive biomedical diagnostic device that will permit individuals to self-diagnose for blood borne diseases. The Point of Care unit is being developed and tested utilizing a phased approach to monitoring for cancer, bacterial infections, and infectious diseases. Within 30 minutes, we can diagnose one liter of blood in a patient's circulatory system, without taking blood. This method will change the paradigm for how physicians can monitor their patients in real-time, remotely.

Idea: Primer Code Hero

Alex Peake • alex@primerlabs.com • <http://primerlabs.com> • 805-456-9977

Primer is an aspirational game platform that makes all knowledge playable. The first Primer game is Code Hero, a first person shooter in which you play a hacker who can recruit an army to battle evil artificial intelligences trying to take over the world. Your code gun allows you to literally copy and edit code from objects and paste to blast enemies and solve puzzles. Code Hero teaches the player how to code one challenge at a time and takes players beyond the 3D battles to mastering real-world programming doing challenges based on the heroes of programming history and startup opportunity as it connects them to the real-life aspiration of becoming a code hero to invent the future.

Idea: TechShop, Inc

Mark Hatch, CEO • mark@techshop.ws • www.techshop.ws • Twitter: @markhatch

Founded in 2006, TechShop, Inc. is the first membership based, do-it-yourself (DIY) workshop and fabrication studio, providing its members access to a vibrant, open community of highly creative people and high-quality machines, tools and software.

More than a traditional hacker space or lab, TechShop's mission is to engage, encourage and empower people of all ages and skill levels to build their dreams by giving them access to the tools, resources, education and workshop space they need.

TechShop's classes are the perfect way for artists, entrepreneurs, innovators and other makers to acquire the

knowledge and skills to build their dreams. From CNC prototyping tools to industrial sewing and textiles equipment, laser cutting and electronics, to welding, machine shop equipment and art glass, TechShop makes it possible for people to design and create almost anything they can imagine.

Based in Northern California (Menlo Park and San Francisco) with an additional location in Raleigh, NC and more planned nationally (including Detroit, San Jose, New York, Kansas City, and Los Angeles), TechShop is specifically targeting urban areas to invigorate a culture of entrepreneurship and industry. Our members' success directly addresses global issues and their products are, in many cases, life-changing.

Idea: Reducing Medical Errors by Use of Tactile Drug Labels

Paul Tinari • pacific@uniserve.com • www.pacificinstitute.com

There are more than 100,000 deaths in North America each year due to medical errors. A significant number of these are due to errors associated with the administration of drugs. Interviews with medical personnel have revealed that the most common errors occur with drug families where one member of the family is completely non-toxic but another member is lethal if it is administered in the same way. An excellent example of this is the NaCl, KCl group. They are both stored in identical containers and while the first is harmless, the second can be lethal. As a specific example, during the last few years, at least four dialysis patients being treated at the Peter Lougheed Hospital and at the Foothills Medical Centre in Alberta died after being given potassium chloride instead of the prescribed sodium chloride by stressed medical staff. The purpose of my invention is to provide a tactile feedback that is an additional means to alert medical staff that they are about to administer the lethal member of a similar drug family. No drug would be labelled as dangerous or non-dangerous. The purpose is to make staff aware of the differences between the members of a particular drug family by using an additional stimulus. The tactile stimulus would provide an additional alert to a tired and/or distracted professional that it is necessary to pay more careful attention before administering the drug to the patient.

WFS Partners

The World Future Society would like to thank the following partners for their generous contribution of time, wisdom, and resources:

1X57



Booz | Allen | Hamilton

strategy and technology consultants



Disruptathon
Innovation Discovered

Google

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COCKTAIL

Sunday, July 10, 2011

7:45-8:45 a.m.

Chapter Idea Exchange

location: Beluga

A discussion group organized for members looking for tips on how to make chapters more successful and for anyone interested in starting a chapter.

Traditionally, the Society has organized local chapters on a geographic basis such as by city, U.S. state, or country. The Society will continue supporting existing and new geographically organized chapters as much as possible. But, in the new chapters group, as well as elsewhere at the conference and online, we will be looking for anyone interested in starting worldwide, virtual chapters organized on a subject matter basis (e.g., commerce, learning).



Kenneth W. Harris, World Future Society board member overseeing chapter development and one of the leaders of the Washington chapter, will open the session.

Sunday Morning Conversations

Bridging Alternative Futures of Higher Education and Societal Development in Taiwan

location: Port Alberni

Futures studies has largely been linked to economic development and wealth creation. Because the world environment of economy and education is dramatically changing, a new role for futures studies has emerged. Taiwan is entering a critical stage of development as a more environmen-

tally, culturally, and spiritually aware future generation. Tamkang University's Futures Studies in Taiwan will help promote this development, as it is the only university in the world whose mission is to futurize both itself and society at large.

Kuo-Hua Chen, associate professor, Graduate Institute of Futures Studies, Tamkang University, Taipei, Taiwan

Public-Sector Foresight Get-Together

location: Finback

If you work for local, state, or federal government in the U.S. or abroad, come to a get-together intended to develop a community of public-sector foresight practitioners within WFS.

In addition to forming a network within WFS to exchange information and ideas, this meeting can serve as a way to discuss topics such as the following:

- What are our needs as public-sector foresight practitioners?
- How can we best address these needs?
- What are existing communities of practice for those in public-sector foresight?
- How can the WFS annual meeting or other forums assist us regarding communicating with each other, focusing on dissemination of methods directly targeted to our needs, and other issues?



Nancy Donovan, senior analyst in GAO's Applied Research and Methods group, Washington, D.C.

9:00-10:30 a.m.

The Best of Houston Futures

location: Junior Ballroom C

future sectors: Learning and Education; Studying the Future: Methodologies



This session highlights the best student products from the award-winning graduate program in futures studies at the University of Houston. The session will include the best essays, forecasts, scenarios, and plans from the next generation of professional futurists.

Who should attend: Anyone interested in the products that the next generation of futurists are producing as they prepare to begin their professional careers. This session has produced wide-ranging and engaging material at past conferences, and this year promises the same interesting, provocative, and rigorously documented futures presentations.

What they will learn: Participants will learn what good futures products look like. They will also be able to challenge young futurists and their ideas in order to promote a vigorous dialogue about diverse aspects of the future.

How this new knowledge can be applied: These presentations are the best, selected from dozens of products produced in 2010 at the University of Houston. Participants will be able to judge the quality of their own work against these outstanding examples.



Peter C. Bishop (moderator), associate professor in the College of Technology and director of the graduate program in Futures Studies at the University of Houston, Clearwater, Texas

SUNDAY
7:45-10:30 a.m.

Sara Robinson, The Future of the Progressive Movement in the United States



Heather Schlegel, The Future of Transactions and Alternate Currencies..., West Hollywood, California



Emily Empel, The Future of the Sex Industry, Franklin Lakes, New Jersey

Effective Use of Futures Ideas in Organization Strategy: U.S. Army Corps of Engineers Strategic Management System

location: Grand Ballroom D

future sectors: Business and Careers; Global Issues, Government, and Security



Since March 16, 1802 the U.S. Army Corps of Engineers has responded to changing defense requirements and played an integral part in the development of the country. The current and future challenges of our nation require the use of strategic foresight and futures tools for the Corps to maximize its value to the nation. This presentation will share best practices used by the Corps to embed formal structure into the institutional fabric of the organization that includes a refresh system so the strategy remains informed by futures information, current and responsive. This session will also provide tools for identifying, refining, applying a decision criteria and injecting new thoughts into a strategic system. Attendees will also learn techniques for how they can cascade a strategic plan down through the various levels of an organization and identify critical processes they can use to make a futures informed strategic plan a reality.

Who should attend: Members who want to see a successful case study of

using futures knowledge to make an ongoing executable strategy.

What they will learn: How to take cognitive ideas about the future, move them through decision points for further action, integrate them into strategy, make the strategy central to all levels of the organization, apply metrics to the strategy execution and have this as an ongoing process that remains refreshed and continually processes new ideas.

How this new knowledge can be applied: Organizational design and methodologies can be applied in any organization to establish means for futures knowledge to drive organizational strategy.



Ed Dillenschneider heads enterprise strategy for the United States Army Corps of Engineers. His team develops recommendations for corporate strategy across the enterprise. Washington, D.C.



Jerry W. Lucas, strategic planner; national program manager, USACE Campaign Plan, United States Corps of Engineers, Washington, D.C.

Future Challenges and Opportunities in the 21st Century Arctic

location: Parksville

future sectors: Environment and Resources; Global Issues, Government, and Security



In this panel discussion about the future of the Arctic, the moderator will guide the session and pose several key questions. After the panel members discuss an array of challenges and opportunities facing the Arctic, the session will open to questions from the session participants.

The Arctic is undergoing unprec-

edented change early in the twenty-first century. The Arctic is rapidly being integrated with the rest of the globe, primarily through the exploration and development of a large, untapped storehouse of natural resources. While global temperatures rise at unprecedented rates, Arctic temperatures have risen much faster—nearly twice the rate of the rest of the planet. This intense warming in the region's climate has been observed in retreating sea ice, melting of Greenland's glacial ice cap, changing permafrost, and altered distributions of floras and fauna. All of these changes pose unique challenges to the people who have lived for millennia throughout the circumpolar north. These and other contemporary issues will be explored by a panel of experts who will seek to inform and debate the extraordinary changes ongoing in the twenty-first-century Arctic

Who should attend: Government officials, business leaders, academics, and all who have an interest in the once-remote Arctic; all who are concerned about the impacts of climate change and development of the northern regions of the globe.

What you'll learn: Attendees will learn the key issues facing the Top of the World and will have an opportunity to question the experts about the future of the Arctic. Several visions of a future Arctic for the Arctic states, indigenous people, and many stakeholders developing the Arctic's resources.

How this new knowledge can be applied: Participants can apply the discussion of the issues to their understanding of sustainability. Futurists and strategic planners can see how their professions can apply their tools to unravel the many issues facing this frontier region.

Michael Sfraga (chair), vice chancellor and director of the UA Geography Program, University of Alaska Fairbanks, Fairbanks, Alaska

Brian Rogers, chancellor, University

SUNDAY
9:00–10:30 a.m.

of Alaska Fairbanks, Fairbanks, Alaska



Lawson W. Brigham, Distinguished Professor of Geography & Arctic Policy, University of Alaska Fairbanks, Fairbanks, Alaska

Police Department 2020: From Hierarchies to Networks

location: Junior Ballroom A and B

future sectors: Studying the Future; Methodologies; Global Issues, Government, and Security



Despite the dramatic changes that have occurred over the past half century, government remains deeply rooted in Industrial Age organizational structures. Highly institutionalized and politicized, these agencies are cursed by inertia. Whether government can change is very much uncertain. Alternatives to the highly bureaucratized and hierarchical networks that dominate government agencies promise the ability to accomplish important missions in a faster, less-expensive way.

The panel examines how a transformation to an agile networked future might occur. Through the example of a fictional police department in 2020, the panel describes how a police agency built on an alternative network paradigm might function. Using the backcasting method, the panel also lays out a course for achieving such a transformation. In this manner, the panel will discuss the roadblocks that must be overcome and the opportunities that must be exploited in order to successfully make the transition.

Who should attend: Law Enforcement, Public Policy personnel, Security personnel, Business community

What you'll learn: Alternatives to bureaucratic organizational operations, utilization of net-centric thinking, alternative network paradigms,

and overcoming roadblocks to change.

How this new knowledge can be applied: By facilitating scenarios to overcome challenges to change.



John Jackson is with the Houston Police Department and an active member of the FBI/PFI Futures Working Group.

Mary O'Dea, Special Operations Command, Tampa, Florida



Sean Varano, assistant professor, School of Justice Studies, Roger Williams University, Bristol, Rhode Island

Rekindling Imagination in Education: An Imperative for the Future

location: Junior Ballroom D

future sectors: Learning and Education; Social and Cultural Trends



This session addresses rekindling imagination within the “K-Gray” lifelong learning education pipeline, a critical imperative to envision the future and to create the knowledge to make these visions a reality through innovation in every sector and dimension of society. As education becomes more standardized, generations of learners are being precluded from exposure to creative, holistic, transdisciplinary, and global thinking, all critical in the creation of future vision states. Currently, imagination is stifled from most public K-12 education programs in the United States by omission and direct action; universities do not fare any better. For example, divergent thinking in the classroom has become an unwelcome daydreaming pastime, perceived as keeping students from focusing on the more important task of learning facts. Consequently, we need to plan, design, and implement courses that encourage future theo-

ries study and promote projects in which students are rewarded for envisioning the future and creating new knowledge.

Who should attend: This session is intended for anyone involved in any aspect of the creation of human intellectual capital, particularly anyone with an interest on the future: from educators to practitioners in any field or discipline; from parents to students at any level; and from policy makers to advocates for education change. The focus is on presenting the challenge and offering solutions to those challenges, whether in the classroom at any level, or within any type of public or private organization.

What you'll learn: Participants in this session will learn: (1) the context and drivers of imagination as a core component of creativity, innovation, design, and entrepreneurship; (2) why we need to rekindle imagination within the complete K-Gray life-long learning education pipeline; (3) what we need to do to reach this goal; (4) how individuals, schools, universities, and public and private organizations can do so; and (5) available resources for individuals, schools, universities, and public and private organizations to achieve the “what” through the “how.”

How this new knowledge can be applied: Participants will be able to apply the knowledge gained in this session through exposure to (1) general strategies to rekindle imagination within the complete “K-Gray” lifelong learning education pipeline; (2) examples of tactical objectives in support of some of these general strategies; (3) examples of operational plans of action in support of some of these tactical objectives; and (4) examples of best practices and lessons learned in any of these areas.



Rodney Hill, professor, Department of Architecture, Texas A&M University; Presidential Professor for Teaching Excellence, College Station, Texas

SUNDAY
9:00 – 10:30 a.m.



Jorge A. Vanegas, dean, College of Architecture, Texas A&M University; director, Center for Housing and Urban Development, College Station, Texas



Blake Godkin, senior education futurist, Cambridge Strategics, Cambridge, Massachusetts

Scenario Development in the Legislative Branch

location: Pavilion Ballroom C

future sectors: Global Issues, Government, and Security; Studying the Future: Methodologies



The case study of a congressional agency will be used to illustrate unique challenges facing the use and development of scenarios in a legislative branch agency. At the United States Government Accountability Office, strategic planners review scenarios on a broad range of issues as part of strategic planning; economists use Crystal Ball software in Monte Carlo simulations to evaluate scenarios as part of policy and program analysis; and there is current work to integrate scenario development with a technology assessment of climate engineering. As part of its evaluation function, GAO also can review scenarios developed by executive branch agencies. Audience members will be encouraged to provide their own examples identifying opportunities for—and challenges facing—scenario development and use within public sector organizations and how these can be addressed.

Who should attend: Those with special interest in understanding the use of scenarios in the public sector.

What you'll learn: Participants will learn about opportunities and challenges to scenario use and development and the range of ap-

proaches used within a congressional agency.

How this new knowledge can be applied: These experiences may be applied by foresight practitioners working within, or in collaboration with, the public sector.



Nancy Donovan, senior analyst in GAO's Applied Research and Methods group, Washington, D.C.

Helen Hsing, managing director, Strategic Planning and External Liaison, United States Government Accountability Office, Washington D.C.

Singularity University: Team Projects to Positively Change the World

location: Port McNeill

future sectors: Technology and Science; Studying the Future: Methodologies



Singularity University is a new interdisciplinary university whose mission is to assemble, educate and inspire a cadre of leaders who strive to understand and facilitate the development of exponentially advancing technologies in order to address humanity's grand challenges. With the support of a broad range of leaders in academia, business and government, Singularity University hopes to stimulate groundbreaking, disruptive thinking and solutions aimed at solving some of the planet's most pressing challenges. Singularity University is located at the NASA Ames campus in Silicon Valley, based on the ideas of futurist Raymond Kurzweil, and supported by the financial sponsorship of companies like Google, Nokia, AutoDesk and ePlanet Ventures.

Students objective is to present visionary projects and ideas to positively change the world. The team

projects prepared by the second class of graduate students will include the following reports:

Home Energy Generation: Powering Humanity: AMUNDA to create a transparent World Energy Market Place where all energy-related information for every location of the world will be visualized, and where buyers and sellers of energy products and services can meet to profitably satisfy their energy needs

Food for Cities: Opportunities in Controlled Environment Agriculture and Vertical Farming: Agropolis application of hydroponic food production for decentralized, controlled agricultural production in urban environments

Upcycle: Waste Reduction and Reprocessing of Waste Materials Into Useful Products

a) BioMine—remediating precious materials for reuse using biological means; b) Fre3dom—distributed manufacturing to promote self-sustaining communities; i2cycle—innovating industrial cycles to create global materials ecosystems

Sustainable Water Assets: From Water Poverty to Abundance

a) H2020—application of data integration technologies new forms of data collection, crowdsourced GIS location specific data and AI tools to identify and match needs and solutions

b) Sensoria—low cost identification of pollutants through biotech and sensors using new genetics approaches

c) Naishio—looking at the exponential growth of converging technologies to accelerate low cost desalination and abundant water

Space—To Boldly Stay: Extending Humanity into the Solar System

a) Biologically Enhanced Space Technology—biological materials and biology inspired structures

b) Cheap Access to Space—Developing a fully reusable externally powered space launch system

c) Small Satellite Swarms—Building a shared cloud of nano-satellites in Low Earth Orbit to enable space-

SUNDAY
9:00–10:30 a.m.

based services with zero infrastructure investment

d) AI Labs—An R&D firm to apply general artificial intelligence to increasingly autonomous tele-operated robots and synthetic biology to help create survivable environments, overcome disease and aging, and extend human presence in space

e) Made in Space—Build spacecraft, tools, and other infrastructure in space using 3D printing technologies

f) SpaceBio Labs—Providing cheap and easy access to highly functional biological experiments in space on automated platforms that are reliable for long duration experiments

Who should attend: Anyone interested in finding out how the new wave of technological changes will radically transform humanity as we know it today. Anyone planning to live more than 20 years and see the beginning of the “singularity”.

What you’ll learn: Attendees will be exposed to the main ideas of accelerating change and the major future technologies that will radically change the future of humanity.

How this knowledge can be applied: The ideas discussed will help to individuals to understand accelerating change in order to anticipate and influence the future.



José Luis Cordeiro (moderator) founder, World Future Society (Venezuela Chapter); Chair, Millennium Project (Venezuela Node); Teaching Fellow, Singularity University, Chiba, Japan



Vjai Anma, graduate student, Singularity University, NASA Ames, California, Seattle, Washington



Sasha Grujic, graduate student, Singularity University, NASA Ames, California, Montreal, Canada

Matthew Kern, graduate student, Singularity University, NASA Ames, California, Wilton, Connecticut



Alison Lewis, graduate student, Singularity University, NASA Ames, California, Atherton, California

Trans-Cultural Impacts on the Future

location: Pavilion Ballroom D

future sectors: Social and Cultural Trends; Learning and Education; Business and Careers



How will people in your part of the world live, work, and think in 2025? Which values, lifestyles, and structuring institutions will prevail? Will lifestyles be more complex or simpler? Which professions will be the most highly valued, and which personality types will best adapt? What culture-based hidden assumptions define the boxes in which you think and your notion of personal identity? What can we learn from other peoples and cultures of the world that can help humankind meet the challenges of the future? In what ways do different peoples view the future? What countercultures may arise in your part of the world or elsewhere? And what is the future of cultural diversity itself, including values and lifestyles? These questions are among the topics that the presentation will explore.

Who should attend: Anyone who wants more insight on the ways in which various peoples and cultures will influence how people live, work, and think tomorrow. Anyone who seeks to expand their thinking beyond boundaries that are defined by one’s culture. Futurists and other leading thinkers who want to identify and transcend hidden assumptions that limit foresight thinking.

What you’ll learn: Participants will gain insights from across the globe

on which lifestyles and value systems will prevail many years from now and which ones are headed for marginalization or extinction. In addition, they will learn how cultures define the boxes in which people think. Finally, they can gain new wisdom that can be useful in meeting the challenges of the future, wisdom drawn from various nations, peoples, and cultures of the present and past.

How this new knowledge can be applied: Session participants will gain insight on which lifestyle options may or may not be readily available and on the possible alternative future value systems that may emerge. Futurists will better recognize mindsets that can limit foresight thinking. Transnational business, and business seeking to so expand, can better understand their customers of the future. All participants can benefit from expanded thinking perspectives.



Dave Stein, former adjunct college faculty; president of the Center for Transcultural Foresight, Inc.; editor-in-chief FUTUREtakes, Las Vegas, Nevada



Tom Lombardo, founder and executive director of the Center for Future Consciousness, Scottsdale, Arizona



Shoji Mitarai, chairman, Japan Institute of Negotiation; professor, Cross-Cultural Negotiation and Mediation, Sapporo University, Sapporo, Japan



Cornelia Daheim, managing partner of Z_punkt, founder and head of the Millennium Project’s German Node, Essen, Germany

SUNDAY
9:00–10:30 a.m.

Asia Redraws the Map of Progress

location: Grand Ballroom D

future sectors: Business and Careers; Global Issues, Government, and Security



Asia will redraw the map of economic progress over the next 25 years. Growth is necessary to solve economic and social problems, but harder to achieve as the age of plenty gives way to the age of scarcities. The challenge gives birth to an Asian economic model based on shifting of productivity from the individual to groups, ecological productivity instead of economic productivity, and a reversal to traditional Asian values, which are less materialistic than Western values. A new paradigm for economic thinking emerges to replace the one launched in the West 200 years ago. The session will cover technology, economics, multinational companies, education, social capital and creativity, demographics, philosophies and religions, and the impact of the five scarcities (food, commodities, energy, water, and clean environment). This approach strives for an interdisciplinary analysis incorporating most social sciences.

Who should attend: Academics and policy makers working in business and public administration.

What you'll learn: The session intends to tell how a new economic model in Asia will change production function and consumption models, as well as shape a new economic paradigm based upon a behavioral pattern that is inspired by traditional Asian values rooted in religion and philosophy.

How this new knowledge may be applied: Attendees will discover a new approach for manoeuvring in this new environment.

Jørgen Orstrøm Møeller is visiting

senior research fellow, Institute of Southeast Asian Studies (ISEAS); senior fellow, Diplomatic Academy, adjunct professor, Singapore Management University and Copenhagen Business School; member, World Future Society Global Advisory Council; former Danish ambassador to Singapore, Brunei Darussalam, Australia, and New Zealand; Singapore

Benchmarking Community Resiliency

location: Junior Ballroom D

future sector: Global Issues, Government, and Security



The seeming nonstop occurrence of natural and man-made disasters has highlighted how poorly prepared most communities are to deal with catastrophes. The speaker will present a new, first-generation methodology that allows officials to model and assess the resiliency of a community. By building off of this information, it is possible to gain useful insights into the community's current level of preparedness, insight into areas of weakness, and an understanding of short- and long-term steps that should be taken to increase readiness and sustainability. While geographical communities such as cities and towns are obvious candidates for this model, the methodology can be used with many other types of communities. The commercial implications of this method will also be explored.

Who should attend: Anyone involved in community governance or planning, strategic planners concerned with the viability of their supply chain, and long-range strategists who might find ways to apply this methodology to other benchmarking challenges.

What you'll learn: Attendees will be exposed to a number of United Nations studies on vulnerability measurement, including key points from the Japanese conference that led to the "Hyogo Framework for Action 2005 to 2015."

Several useful models, including risk assessment and recovery priorities, will be introduced. The key element of this presentation is a discussion of a new methodology that can immediately be applied to any community to measure and compare its level of resiliency and preparedness.

How this new knowledge can be applied: This methodology will allow community planners to correctly assess their state of preparedness and make decisions on how to improve their level readiness for a wide variety of threats.



Donald Byrne, president and CEO, Metrix411, which specializes in on-line assessments tools and business benchmarking; adjunct faculty, several colleges including Boston University, Bedford, New Hampshire

China: Today, Tomorrow, and the Transition

location: Port McNeill

future sectors: Social and Cultural Trends; Global Issues, Government, and Security



Thirty years ago, China was isolated and depressed. Thirty years from now, barring bad luck or bad leadership, China will be a major power, highly integrated globally, and nearly fully developed. The purpose of this discussion is to contribute to a deeper understanding of China in order to enhance the China component of our outlooks for the twenty-first century and to provide advice on direction-setting decisions by governments and businesses. I will address three topics concerning how we should think about China: (1) What is China? (2) China and our common global agenda, and (3) China components of alternative scenarios for the twenty-first century.

Who should attend: Anyone with an interest in enhancing the China

SUNDAY
11:00 a.m.–12:00 noon

Susan Echard Student Scholarship Program Contributors

Generous donors to the Society's Susan Echard Student Scholarship Program have helped boost the number of young people attending Society conferences and thus have helped strengthen the study of the future. You may also donate to this program! Contributions are tax-deductible. Just contact us at 800-989-8274 (or 301-656-8274) or by e-mail at info@wfs.org to donate. Remember your \$125 contribution, or any dollar amount, will make it possible for a student to attend.

We would like to acknowledge the following who donated.

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 William Tafoya
 Nico Van Klaveren
 Cynthia G. Wagner
 Kathleen Zellmer

components of their outlooks and forecasts.

What you'll learn: Attendees will learn key factors to consider in assessing China and its changing role in the world.

How this new knowledge can be applied: Everyone needs to be including China in their futures work.



Kenneth W. Hunter, senior fellow, Maryland China Initiative, University of Maryland, College Park, Maryland

The Coming Mind-Machine Symbiosis: Precursors to Technological Singularity

location: Junior Ballroom C

future sector: Technology and Science



Human brains have remained essentially the same since Homo sapiens emerged as a species 200,000 years ago. Although we improve the software of our minds, the hardware remains the same. This will change in the coming decades with brain-computer interfacing, intelligence augmentation, and symbiosis with software agents. Technologies that have the potential to enhance intelligence are more important than all other technologies, because human general intelligence is the source of all of civilization's accomplishments. With enhanced intelligence, we will be able to better confront all problems, including risks to our survival as a species. Technology will open the way, and make possible what no amount of teaching can.

Who should attend: Futurists interested in human enhancement and artificial intelligence.

What you'll learn: Attendees will learn about cutting-edge new technologies in artificial intelligence and brain-computer interfacing that will be on the front pages of tomorrow's newspapers but now are only in the research stages.

How this new knowledge can be applied: Audience members will leave with a better understanding of brain-computer interfacing, augmented reality, artificial intelligence, and human enhancement.



Michael Anissimov, futurist, media director, Singularity Institute; co-organizer for Singularity Summit; active participant in the international transhumanist movement, Berkeley, California

Cybernetics and Society: Real Time Human Issues Social, Political, Economic and Spiritual

location: Pavilion Ballroom C

future sectors: Social and Cultural Trends; Technology and Science; Global Issues, Government, and Security



Social problems are lagging behind all the advances in technology, electronics, bioengineering. Social, economic, and spiritual foundations can help us achieve the required homeostasis and a dynamic equilibrium. This will be through a different process in every region, location, community, and institution. Integration and optimization in machine systems and human social neural networks has to match in quality, standards and goal achievements. According to Norbert Wiener, who wrote on Cybernetics and Society (esp. in "God and Golems Inc." 1963) knowledge is a fact; power is a fact, and worship is a fact and they can be investigated quite apart from an accepted theology. This session is proposed to lend spiritual support to humans in their social, economic and technological systems such that they are performing worthy individuals. To help us investigate and forecast issues called, "Real Time Human Issues" on long term and short term with technology as media and otherwise in various systems.

Who should attend: Anyone interested in integration and optimization between machine systems and society.

What you'll learn: Humans will prepare to lead machine-man systems and not be led by them after careful forecasting of future on this aspect of "Real Time Human Issues."

How this new knowledge can be applied: Attendees will learn the differences between knowledge power and worship institutions.



Muhammed Eusuf Kal-eem, senior consultant, associate professor) Faculty of Management Sciences, International Is-

lamic University, Islamabad Pakistan

How to Unite the Thinking of Futurists

location: Parksville

future sectors: Studying the Future; Methodologies; Global Issues, Government, and Security



In order to establish a system of continuous forecasting of some medium-term indicators in economy, and social sphere. Such indicators as, for example, oil price, are important for the governments in terms of the annual budgeting process and for the community as a whole. Participants will be involved in forecasting simultaneously and independently. The participants can make forecasts for each of 12 months. The results will be compared to the actual data and two ratios will be calculated: 1) forecast hit ratio with actual data from 0 to 100%, and 2) forecast reliability ratio from 0 to 100%. These data will be calculated for each participant and at the average for all participants. Thus the system employs (and checks) the opportunities of collective forecasting. Moreover, each participant will receive a personal error signal. It will provide a real basis to enhance the future methods. Making a more reliable forecast of global indicators of economic development—one of the factors for stabilization of global economy.

Who should attend: Anyone interested in new forecasting techniques, representatives of governments responsible for preparation of annual budget estimates for the countries they represent.

What they will learn: Attendees will learn about a new technique of continuous and collective forecasting of medium-term economic and social development indicators and about techniques for improvement of the future methods. By indicators we mean oil price, gold price, dollar rate, unemployment level and other.

How this new knowledge can be applied: The new knowledge can be applied to increase the accuracy of medium-term forecasts, to improve the future methods and to obtain more accurate data for preparation of annual budget estimates for the countries for various countries.



Anvar Idiatullin, founder, member, and researcher, Moscow Regional Council, Pradinsky, Russia

A Novel Real-Time Delphi Approach in Action

location: Junior Ballroom A and B

future sector: Studying the Future; Methodologies



A novel and innovative real-time Delphi technique for foresight surveys is presented that addresses known weaknesses of the conventional Delphi method, such as complicated facilitator tasks, lack of real-time presentation of results, and difficulties in tracking progress over time. It will be demonstrated how the real-time (Internet-based) method increases the efficiency of the Delphi process, accommodates expert availability, and reduces dropout rates. Modifications in the procedure (e.g., change of iteration principle) not only increase efficiency, but also change the nature and process of the survey technique itself. Participants will see graphic illustrations of how the new real-time Delphi results have been used for the development of expert-based long-range scenarios. The audience will get practical insights in new methodological approaches as well as in scenario studies on transportation and logistics.

Who should attend: Researchers and professionals in the field of foresight methodology (especially Delphi and scenarios), professionals of any industry who are interested in decision-making processes, IT-based deci-

sion making, and transportation and logistics.

What you'll learn: We have developed a new real-time Delphi survey format that builds upon the earlier work of Ted Gordon and Adam Pease, as well as Gene Rowe and George Wright. The presentation shows numerous screenshots of how our modified Internet-based Delphi process works. Since we have used this methodology already for approximately 15 different scenario studies in client environments—e.g., the transportation field, the fast-moving consumer goods industry, and the automotive business, among others—the audience will get many helpful insights, useful for all researchers and professionals dealing with scenarios and Delphi.

How this new knowledge can be applied: The presentation will give a lot of illustrations of a new software tool, as well as case examples from industry research. Participants can pick up the idea of Internet-based foresight surveys for their own research. In addition, the shown process of Delphi-based scenario development represents a scientifically sound methodology that assures high validity and reliability (i.e., quality), in scenario development. It might therefore add to more rigorous thinking in foresight activities.



Heiko A. von der Gracht, managing director, the Center for Futures Studies and Knowledge Management at EBS Business School, Wiesbaden, Germany

The Sun Also Rises: Lessons from Japan

location: Pavilion Ballroom D

future sectors: Social and Cultural Trends; Global Issues, Government, and Security



This talk will be divided into two parts. FUTURIST magazine editor Patrick Tucker will

SUNDAY
11:00 a.m. - 12:00 noon

first discuss the six months he spent in Japan prior to the March 11 earthquake and tsunami.

Japan's population is aging and shrinking—a lethal combination for economic growth, according to many outside observers. Older populations draw down savings rather than reinvest, and they strain public services and government budgets—a particular worry in Japan, where the debt-to-GDP ratio is above 200%. Japan is also saddled with insufficient natural resources and waning geopolitical influence.

But Japan is also a world leader in green product design, hardware design, and personal robotics. In the coming decade, Japan will leverage its technology strengths in an attempt to overcome its economic and demographic challenges. The country's success or failure in this effort will be instructive for other developed economies with aging populations.

In the second portion of the talk, Tucker will discuss his experience in Japan in the wake of the disaster.

In April, he took a bus through a nuclear meltdown and camped out in a disaster zone to see how the March 11 Tohoku Earthquake and tsunami affected the lives of the people of Japan. He saw a city hanging from the trees, heard startling tales of survival and loss, and personally met dozens of stiff-spined Japanese young people who signed up for a surprisingly dangerous mission.

He also saw how social networking and next-generation emergency housing can save lives the next time megadisaster strikes.

Who should attend: This will be a general interest session appropriate to all.

What you'll learn: You'll get a first-person perspective on the future of Japan and a rare glimpse into life in the tsunami-affected zone one month after the event. You'll also learn about how social networking and next-generation emergency housing will save lives next time mega-disaster strikes.

How can this new knowledge be applied: People can use this information to broaden their understanding

of the world and particularly Asia.



Maryland

Patrick Tucker, senior editor of THE FUTURIST magazine and director of communications, World Future Society, Bethesda,

12:00 noon–2:00 p.m.

Futurists: BetaLaunch

location: Pavilion Ballroom Foyer

WFS and 1X57 present Futurists: BetaLaunch, a showcase of inventions and innovations. See page 36 for details.

12:15 p.m.–1:45 p.m.

Sunday Keynote Luncheon

Prospects for Defeating Aging Altogether

*additional registration required

location: Grand Ballroom B and C



future sectors: Health and Wellness; Technology and Science

It may seem premature to be discussing the elimination of human aging as a cause of death, when so little progress has been made in even postponing it. However, two facts undermine this assessment. The first is that aging happens throughout our lives but only causes ill health after middle age. This shows that we can postpone this ill-health without knowing how to prevent aging completely, by molecular and cellular repair. The second is that the typical rate of subsequent, incremental refinement of big technological breakthroughs is usually fast enough (so long as public enthusiasm for them is strong) to change those technologies almost beyond recognition within a natural human life span.

Dr. de Grey will explain: (1) why therapies that can add 30 healthy years to the remaining life span of the typical 60-year-old may well arrive within the next few decades, and (2) why those who benefit from such therapies will very probably continue to benefit from progressively improved therapies indefinitely and

will thus avoid debilitation or death from age-related causes at any age.

Who should attend: Every futurist interested in improving longevity and avoiding the debilitating effects of advancing age.

What you'll learn: Attendees will learn how new and improved technologies and therapies will enable the human body to repair itself and avoid age-related problems.

How this new knowledge can be applied: Attendees will learn of the advancements of technologies and therapies available to slow the aging process.



Aubrey de Grey, biomedical gerontologist, chief science officer of SENS Foundation, a California-registered nonprofit charity dedicated to combating the aging process; also editor-in-chief of Rejuvenation Research, the premier academic journal in the field of biomedical gerontology, Cambridge, United Kingdom

SUNDAY
11:00 a.m.–2:00 p.m.

Corporate Innovation 2030: Revolution or Reinvention?

location: Junior Ballroom C

future sector: Business and Careers

Innovation in a reinvented world is about sustainability and responsible return on investment.



The “New Normal” is a term first used by Roger McNamee, a well-respected technology investor, who defined it as a time of solid opportunity—if you know how to play the game.

The reinvented world of business will profoundly impact world leaders and workers in the decade ahead. Companies capable of transforming their organizations during this period of “Great Disruption” will thrive in the reinvented world; however, the reverse holds true as well. Executives and leadership teams who cannot navigate and manage their inflection points in designing, building, and sustaining innovation will increasingly discover just how uneven the playing field can be in this new world of business.

Participants will design the corporation of the future. Will you redesign big business based on the evolutionary cycle of today or scrap and rebuild in response to economic and structural upheavals of tomorrow? What track will you choose?

Who should attend: Business leaders, educators, corporate entrepreneurs, innovation catalysts, and other game changers.

What they’ll learn: *Track #1:* One group of participants would be responsible for designing a corporate reinvention of the future if business continues to evolve at the pace and in the same manner as today. Table participants will be assigned a role (CEO, Senior Leader, HR, Engineer, etc.).

Track #2: The other group of participants will be responsible for redesigning the corporation of the future

triggered by massive changes in business (economic, demographic, and psychographic), where the typical structure (CEO, Senior Leaders, etc.) no longer exists.

How this new knowledge can be applied: As participants develop their Corporate 2030 scenarios, two facilitators (one for each track) will capture on flip charts or laptops the connecting points and common denominators that can serve as bridges in preparing corporations from where the workplace is today to where the workforce must navigate to in future. Table participants representing each track will share their key learning and takeaway “gems” with other participants. Track facilitators will report out their findings and insights as a final wrap-up.

Dolores “Dee” McCrorey, chief risk guru, Risktaking for Success LLC, brings a practical approach to the challenges faced by enterprise leaders and knowledge workers; author, *Essential Elements to Succeed in the New World of Business*, Santa Clara, California



Francine Gordon, organization consultant and executive coach specializing in enhancing creativity in individuals and organizations and facilitating the development and advancement of women executives, F Gordon Group

Creativity and Innovation for the 21st Century: From Theoretical Vision to Effective Action

location: Port McNeill

future sectors: Social and Cultural Trends; Learning and Education; Technology and Science



Is there a set of core principles common to the creative process that cuts across biological, social, and technological evolution, the psychol-

ogy of creativity, and philosophical and spiritual enlightenment and wisdom? And can we harness these principles to facilitate the necessary innovative actions and policies to address the challenges and problems in the world today and further our collective evolution? Of special note, how do we bring an understanding of creativity to bear upon such issues as technological innovation, personal futures, world peace, future consciousness, and the educational challenges we face in the world? In this panel discussion, drawing upon contemporary scientific research and philosophical thinking, we will introduce a core list of foundational principles for creativity and illustrate through a set of concrete and practical examples how to apply these ideas. We will leave ample time after our series of short presentations for discussion and brainstorming.

Who should attend: Educators, scientists and technologists, social and political activists, philosophers, counselors and psychologists, students, and anyone interested in the nature of creativity.

What you’ll learn: Key common principles of creativity and a variety of examples of how such principles are applied to diverse human areas.

How this new knowledge can be applied: Theoretical and practical knowledge can be applied to all areas of human endeavor, in particular educational programs that highlight heightening future consciousness and creative action.



Tom Lombardo, founder and executive director, Center for Future Consciousness; retired Faculty Chair of Psychology, Philosophy, and the Future, Rio Salado College, Scottsdale, Arizona



Linda Groff, director, Global Options and Evolutionary Futures Consulting, Playa del Rey, CA

SUNDAY
2:00–3:30 p.m.



Jeanne Belisle Lombardo, co-founder of the Center For Future Consciousness; assistant director of Community Partnerships at Rio Salado, Scottsdale, Arizona

Future SCANN: A Network to Help Students Envision and Co-Design Careers of the Future

location: Junior Ballroom A and B

future sectors: Learning and Education; Technology and Science; Studying the Future: Methodologies



DesignWorlds for Learning Inc. and DesignWorlds for College/Careers have developed a Future STEAM Careers Navigator and Network (Future SCANN) to help students navigate, envision, and create STEAM careers—those in science, technology, engineering/entertainment, arts, and math. Future SCANN is a dynamic, Web-based environment where youth can get hands-on experience in these fields using media-rich design challenges and projects. The goal is to connect students with futures thinking about alternative possible future STEAM-related careers. Building on and aggregating resources from exemplary Web sites—such as the Sloan Career Cornerstone Center, TheFuturesChannel.com, TED.com, and OpenIdeo.com—Future SCANN will build bridges between students and existing communities that are solving major twenty-first-century global challenges for humanity. Students in middle and high school will thus learn how STEAM careers of the future will address and solve complex problems.

Future SCANN will also build on and leverage partnerships with existing large national (and international) communities of student teams who are already actively involved in futures and design thinking and prob-

lem-solving challenges, such as the Future Problem Solving Program International, Open IDEO, and The Tech Museum of San Jose’s annual Tech Challenge. FutureSCANN will extend the active challenge-based learning approaches of these groups to helping students explore their own possible alternative future STEAM-related careers. The project will include building an online mentor community, where youth can join teams of multidisciplinary professionals, parents, and peers in guided interactive “real world” STEAM career challenges.

Who should attend: Educators, career counselors/advisors, students, business people, and labor/education policy makers.

What you’ll learn: This session will present ways to bring futures thinking, problem solving, and design techniques into direct alignment with alternative future career exploration, using both social web 2.0 and design challenges and problem solving. Essentially, participants will discover a framework for exploring future STEAM (science, technology, engineering/entertainment, arts, and math) related careers as a “design challenge.”

We will leverage well-tested methodologies of groups such as Future Problem-Solving Program International; Ideo/OpenIdeo, and the Stanford d-school (“Design School”); and the annual Tech Challenge of the Tech Museum of Innovation in San Jose in co-creating a web-based navigation tool and a social network to support high school and college students in exploring their own personal futures.

How this new knowledge can be applied: The techniques and technology tools of Future SCANN may be used by all who are interested in exploring their own future careers or helping their own kids or students explorations of alternative possible future careers.



Ted M. Kahn, co-founder, president, and CEO of DesignWorlds for Learning Inc.; chief learning officer/learning and careers coach, for DesignWorlds for College and Careers, Cupertino, California



Leslie Schneider (participating online), president, Formative Networks; consultant for Design Worlds for Learning Inc., Newton, Massachusetts

Miriam von Guggenberg, (participating online), student, Brandeis University, Redwood City, California



Ibuki Kamei, (participating online), student, Carnegie Mellon University, Pittsburgh, Pennsylvania



Daniel Amendola, student, Yountville, California



Katie Miller, (participating online), student, Stanford University, Menlo Park, California

Futurists’ Views from Around the World

location: Pavilion Ballroom D

future sectors: Studying the Future: Methodologies; Global Issues, Government, and Security



How do futurists from different continents view local and global future prospects? What is on the minds of these futurists? As the world continues its accelerating interdependency, futurists are wise to taken into account the insights from other futurists around the world. Chairs and co-chairs of The Millen-

SUNDAY
2:00–3:30 p.m.

nium Project Nodes from Asia, Europe, Africa, Latin America, the Caribbean, and North America will share their views about what is important to understand today about the foreseeable future. Each panelist will discuss issues they think are important to understand. What is not well known or is misunderstood and what is important to know to help improve the future of humanity.

Who should attend: Those who wish to improve their sensitivity to cultural and global issues, international consultants, policy advisors in governments, international organizations, multi-national businesses, and NGOs, and teachers of future studies and global issues.

What they'll learn: Participants will learn different perceptions of future issues from different cultures, alternative approaches to futures work, and what futurists in other countries are doing.

How this new knowledge can be applied: You can apply this knowledge by reducing the likelihood of being blindsided issues and sensitivities in different cultures, by discovering international consulting opportunities, and by improving the international content in university futures instruction.

Elizabeth Florescu (chair), director of research, The Millennium Project, Calgary, Canada

Mohsen Bahrami, Amir Kabir University of Technology, Tehran, Iran

Kamal Z. Mahmoud, Secretary-General, Egyptian-Arab Futures Research Association, Cairo, Egypt

Nadezhda Gaponenko, Head of Department, Center of Science Development Study, RAS, Moscow, Russia

Arnoldo José de Hoyos Guevara, Catholic Pontifical University of São Paulo, São Paulo, Brazil



Pavel Novacek, Head of Department, Palacky University, Olomouc, Czech Republic



Miguel Gutierrez, Center for Globalization and Prospective, Buenos Aires, Argentina



Philippe Destatte, the Destree Institute (Wallonia) Belgium and Paris Diderot University



Zhouying Jin, Chinese Academy of Social Sciences, Beijing, China



Concepción Olavarrieta, Nodo Mexicano, El Proyecto Del Milenio, Mexico City, Mexico

Living Content: Re-writing the Past, Changing Reality and Molding the Future

location: Junior Ballroom D

future sectors: Technology and Science; Social and Cultural Trends



How did William Randolph Hearst prevent the legalization of marijuana? Why do top government officials—including the president of the United States receive reports on social media prior to diplomatic visits? How are tools like Wikipedia, Facebook, and Act.ly changing the past and predicting the future? Open participation in online mediums is revolutionizing how the past is remembered and thus how the future unfolds. Bureaucratic bodies such as governments, corporations, and religions are becoming less rel-

evant as individual agents, who are most active in using and knowledgeable about Web 2.0 and social media, challenge their structure, message, and purpose.

This panel discussion will examine how tools like Wikipedia, Facebook, and Act.ly are changing the past and predicting the future, with key case studies/examples presented including the evolution of “Man” in Wikipedia, recent Middle Eastern revolts, and the food industry and regulation. It will also present a robust discussion on the future of trusted sources and collective knowledge.

Who should attend: Anyone interested in influencing change.

What they will learn: Attendees will learn of examples and case studies such as evolution of “Man” in Wikipedia, Middle East revolutions, and changes regulations in the food industry.

How this new knowledge can be applied: Civic/community participation, expediting and expanding the adoption of new ideas.



Amy Senger, founder and CEO of 1X57, helps companies and organizations implement new ideas and technologies, with past projects and clients including Intellipedia at the CIA and A-Space at the DNI. She is a leading voice in government, technology, and social advancement, Washington, D.C.



Kirby Plessas, president, Plessas Experts Network, Inc.; open source intelligence expert, Army veteran trained as an Arabic linguist, technical expert for internet research



Steven Mandzik, founder of the non-profit A Clean Life, corporate blogger, community manager and trainer

SUNDAY
2:00–3:30 p.m.

The Weak Signal of Mobile Governance

location: Pavilion Ballroom C

future sectors: Studying the Future: Methodologies; Global Issues, Government, and Security



It is becoming more obvious that many local leaders are not familiar with social and economic trends and weak signals, and, as a result, are often not able to develop effective strategies to address emerging issues that impact the quality of life in their communities. As a result, a process we call “mobile connecting” is evolving. With the advent of smart phones and GPS systems, we are entering a new age that will reshape how our society operates by instantaneously accessing the knowledge and opinion of all interested citizens.

This eventually will lead to a new concept, “mobile governance,” where community leaders, especially in progressive communities, begin to realize that they and their staffs are not able to keep up with an exploding array of new ideas and methods. These leaders will develop new “knowledge connection” processes that will utilize community members to find cutting edge concepts and techniques to resolve new challenges. As these new types of processes develop, a shift will occur from the norm from radical individualism, so rampant in our society, to levels of deeper collaboration.

Participants will be introduced to the theory and practice of “mobile governance.” An emphasis will be placed on how local communities can develop a new system of decision making called Direct Consensus Democracy using mobile technologies in which all interested citizens are in control of four phases of development: 1) identifying the most important issues, 2) defining key factors for the most important issue identified using a “citizens forum” that is both in real time and virtual, 3) strategies developed by teams to deal with the issue, and 4) voting by interested

citizens on the best strategy.

Who should attend: Elected officials, senior staff of public bodies, educators, economic developers, community and state planning consultants, and anyone interested in how to update our democratic institutions for a constantly changing society.

What you’ll learn: Three key ideas: 1) why the concept of “mobile governance” resonates with the current needs of democratic processes, 2) what are the key elements of “mobile governance” to include Direct Consensus Democracy, and 3) how

would the system of “mobile governance” be organized.



Rick Smyre, president, Center for Communities of the Future, Gastonia, North Carolina



Dewey Harris, assistant county manager, Catawba County, North Carolina

3:45-5:00 p.m.

Closing Plenary

The Final Challenge: Redefining the Future of the Human Race

location: Grand Ballroom

Over the coming year, the DaVinci Institute will be announcing Eight Grand Challenges, representing the most demanding competitions of all time. Only countries can compete, not organizations or universities. The stakes are far higher because each country will be competing for national pride.

The first one, “The Race to the Core,” announced on September 15, 2010, involved sending scientific probes 3,950 miles straight down to the center of the earth. Over the coming months, seven more equally daunting challenges will be proposed, with the final one to be unveiled at the closing plenary of the World Future Society.



Thomas Frey, executive director and senior futurist of the DaVinci Institute in Louisville, Colorado, works closely with the Institute’s Senior Fellows and Board of Visionaries to develop original research studies.

SUNDAY
2:00–5:00 p.m.

Monday, July 11, 2011

9:00 a.m.–4:30 p.m.

Professional Members' Forum "From Action to Results"

Note: This program is offered free of charge to Professional Members attending the regular conference.

location: Junior Ballroom

8:30–9:00 a.m.

Coffee and Continental Breakfast

9:00–9:15 a.m.

Preview of Day



Adam Gordon, director, Adaptive Leadership Foresight, a consulting and executive education firm specializing in industry foresight and scenario planning for business and public-sector organizations; formerly business school instructor at INSEAD and Monash, Australia; author, *Future Savvy* and *Forbes* magazine; past senior associate, Coates & Jarratt Inc., Washington D.C.

9:15–10:45 a.m.

Experiential Futures: Bridging the Gap Between Vision and Action

One of the greatest challenges facing anyone trying to shape a vision of the future is the difficulty of making that future real. Experiential futures describe a variety of tools and techniques used to bridge the gap between vision and action. These tools can range from simple group activities to elaborate computer-based simulations; but all are designed to help make futures real and meaningful.

Speakers on this panel have designed and implemented experiential futures projects for a wide range of groups. They will discuss the theory behind these future simulations, share case studies, and provide practical tips for designing experiential futures.

This session will be useful for anyone wanting to take their foresight projects from idea to reality, and for those who teach foresight techniques and theories.



Joe Tankersley, writer, futurist, and producer of immersive experiences. For nearly 25 years he has helped multinational corporations, NGO's and national governments create compelling messages about their goals and visions for their futures; writer and producer for Walt Disney Imagineering; currently a creative leader for a team that develops new forms of interactive storytelling; member, World Future Society; member, board of directors, Association of Professional Futurists, Winter Springs, Florida.

Stuart Candy, senior foresight and innovation specialist, Arup, adjunct professor, Design Strategy MBA, California College of the Arts; research fellow, The Long Now Foundation, San Francisco; member executive board of the World Futures Studies Federation; author of blog *the sceptical futurist*, San Francisco, California.

Erika Gregory, president and founder, Collective Invention, a multi-disciplinary consultancy to bring future-focused innovation practices to the clients domains of education, health, and environmental sustainability. Erika and her colleagues have developed a portfolio of future simulations including Learning 2015, Sustainable Lifestyles, and Life 2050; San Francisco, California

10:45–11:00 a.m.

Break

11:00 a.m.–12:30 p.m.

Working in the Stratosphere? The Impact and Implications of Cloud Computing

What is cloud computing? How can you take advantage of it? What are some of the benefits, and what are the risks? Why is everyone talking about it?

If you're connected to the Internet, you're probably already computing in the cloud.

In this session, we'll talk about cloud computing: where it comes from, what it means, and where it's going. We'll talk about some of the benefits, as well as some of the common problems, and talk about the leaders in the cloud space. Lastly, we'll take a look at the future of cloud computing and what this trend means not just for technology, but for busi-

MONDAY
9:00 a.m.–4:30 p.m.

nesses and individuals.

Lisa Donchak works at Google, where she is an Enterprise Sales Associate for Google Enterprise specializing in demand management and marketing. Donchak is also the managing editor for *Game Theory Ninja*, where she writes about economics, game theory, business, technology, and the future.

12:30–2:00 p.m.

Lunch with Small Group Discussions

2:00–3:30 p.m.

Accelerating Change and Short-term Futures: The Case Study of Kauai

This session maps the methodological practices and perspectives necessary for building cogent alternative futures scenarios in line with accelerating change within short (20-30 years) timeframes. Deploying the Manoa School of Futures Studies scenario-building framework, this project reflects on the strengths and weaknesses of scenario building in light of a consulting project for a private school on Kauai seeking to integrate both sustainable and high tech futures. Additionally, this session highlights the importance of design and sensory integration in futures work and scenario modeling specifically.



John A. Sweeney, PhD candidate, Department of Political Science, University of Hawaii at Manoa; focusing on Futures

Studies, particularly the sensory dimensions of scenarios modeling, and political theory; associate researcher, Hawaii Research Center for Futures Studies, Honolulu, Hawaii.

3:30–3:45 p.m.

Break

3:45–4:30 p.m.

Summary and Analysis



Kenneth W. Hunter, vice chairman, World Future Society Board of Directors; senior fellow, Maryland China Initiative, University of Maryland, College Park, Maryland

About the World Future Society

The World Future Society is a nonprofit nonpartisan educational and scientific organization of individuals who are interested in how social and technological developments are shaping the future. The Society strives to serve as a neutral clearinghouse for ideas about the future, including forecasts, recommendations, scenarios, alternatives, and more.

Founded in 1966, the Society publishes *THE FUTURIST*, a magazine of forecasts, trends and ideas about the future; and *World Future Review*, a quarterly publication which includes articles, book reviews, and abstracts of future-oriented material. The Society has also published more than two dozen books on the future and has an e-mail newsletter called *Futurist Update*.

The Society has held 27 major meetings since 1971, including annual conferences since 1991. Also, the Society has held many special-focus seminars in North America and Europe.

Membership is open to all individuals with an interest in the future. Annual dues are \$59. To join the Society and receive a subscription to *THE FUTURIST* and many other benefits call 1-800-989-8274.

MONDAY
9:00 a.m.–4:30 p.m.

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Exhibitors

Regent University School of Global Leadership & Entrepreneurship

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Virginia Beach, Virginia 23321
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Contact: Fran Rabuck
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Exton, Pennsylvania 19341
www.bentley.com

Bentley is the global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for sustaining infrastructure. Bentley's mission is to empower its users to leverage information modeling through integrated projects for high-performing intelligent infrastructure. Founded in 1984, Bentley has grown to nearly 3,000 colleagues in more than 45 countries and \$500 million in annual revenues. Since 2001, the company has invested more than \$1 billion in research, development, and acquisitions.

In-Harmony Foundation, Inc

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Association for Strategic Planning (ASP)

Contact: Janice Laureen
Executive Director
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Los Angeles, CA 90025-1200
877-816-2080

Founded in 1999, ASP is the only not-for-profit professional association dedicated to advancing thought and practice in strategy development and deployment for business, non-profit and government organizations. ASP provides opportunities to explore cutting-edge strategic planning principles and practices that enhance organizational success and advance members' and organizations' knowledge, capability, capacity for innovation, and professionalism. Our members include: Organizational Leaders, Strategy Practitioners/Consultants and Academics.

Futurists Information Table

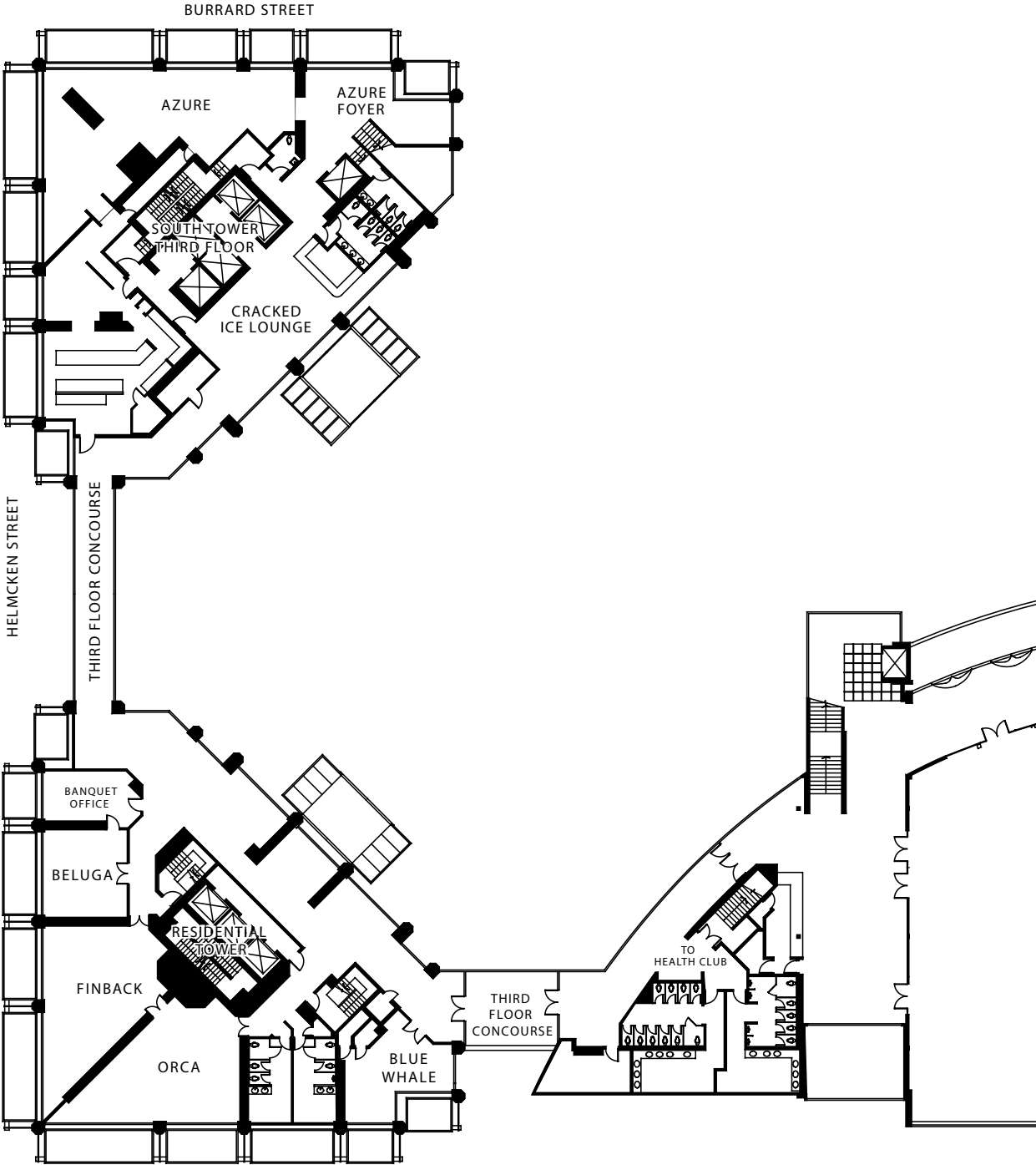
Information about futurist books, activities, and groups. Participants will have a chance to pick up literature from a variety of organizations involved in various future oriented activities and projects.

World Future Society

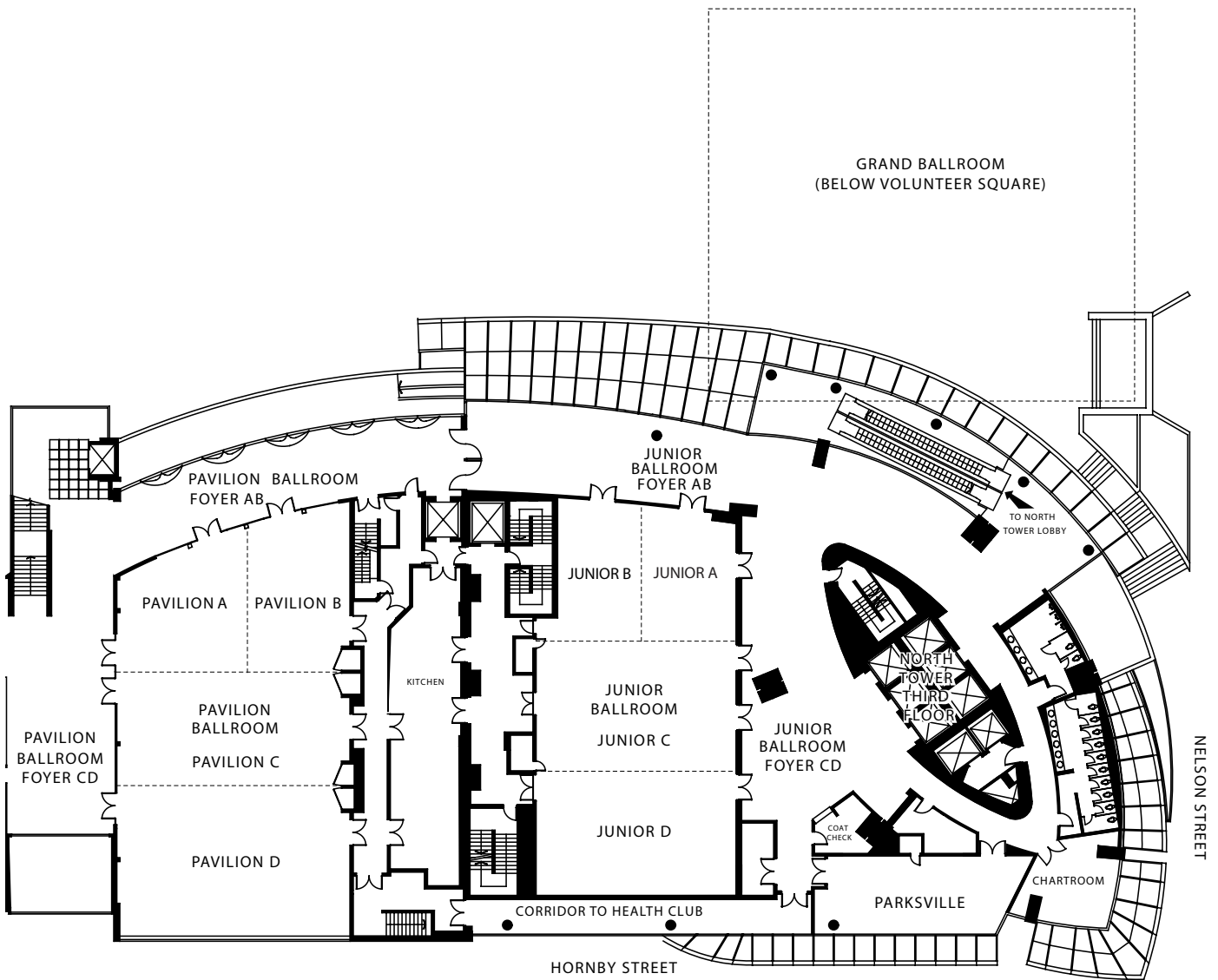
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Sheraton Vancouver Wall Centre Hotel

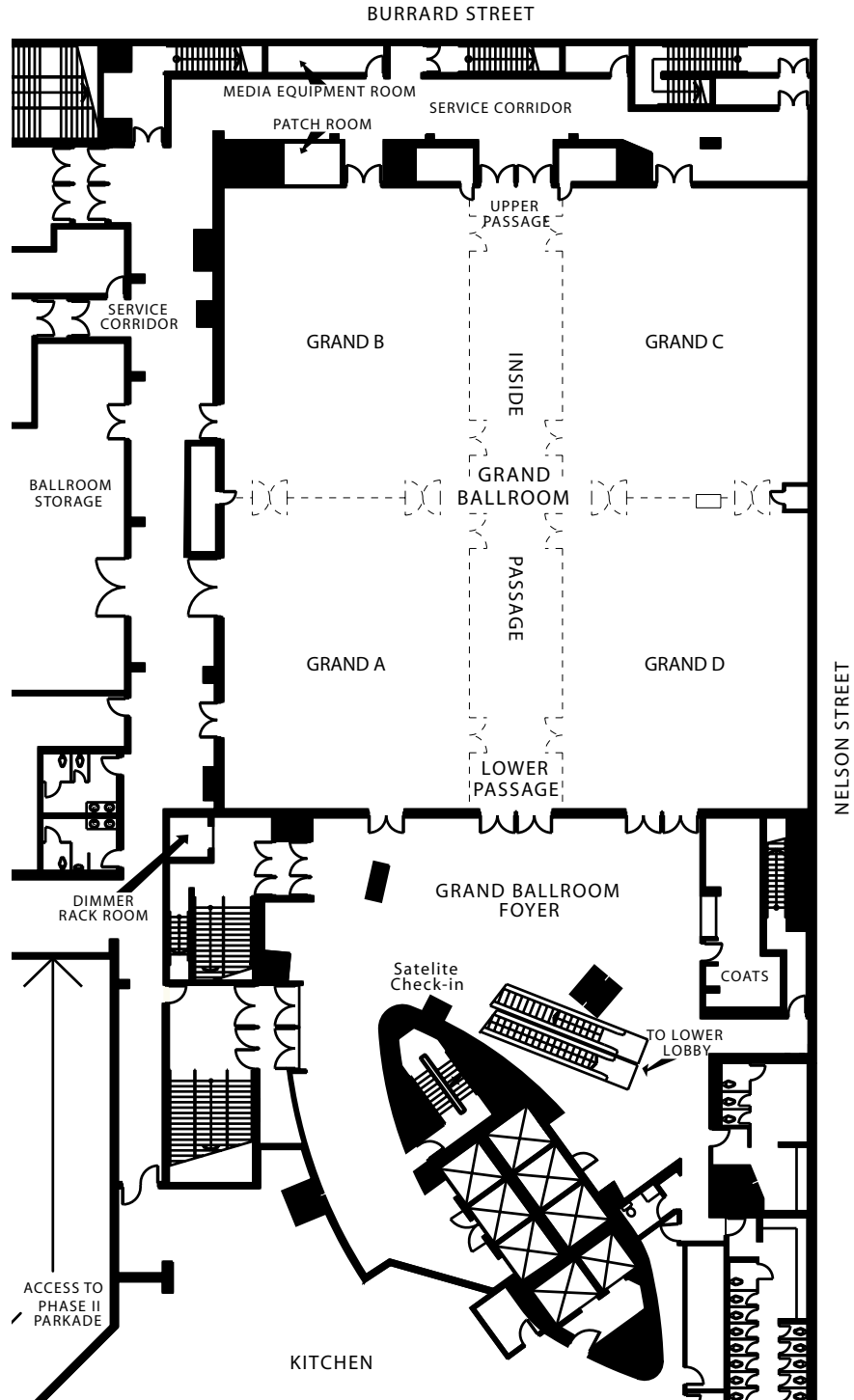
Third Floor Ballrooms and Function Space



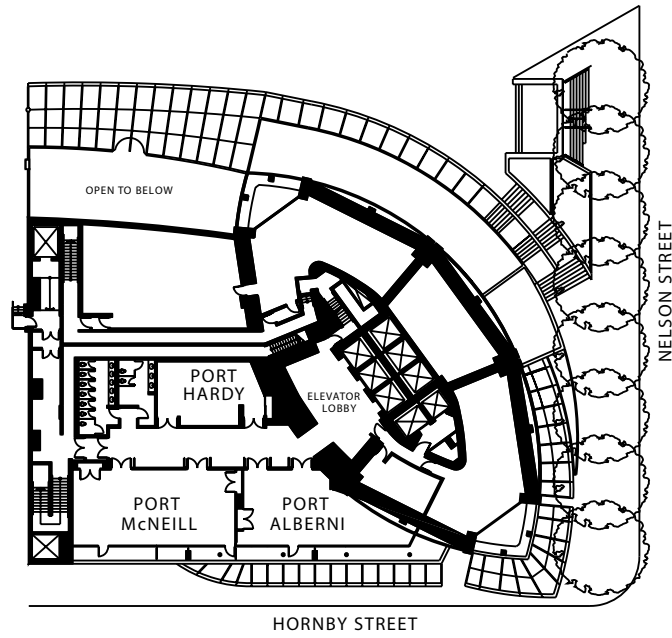
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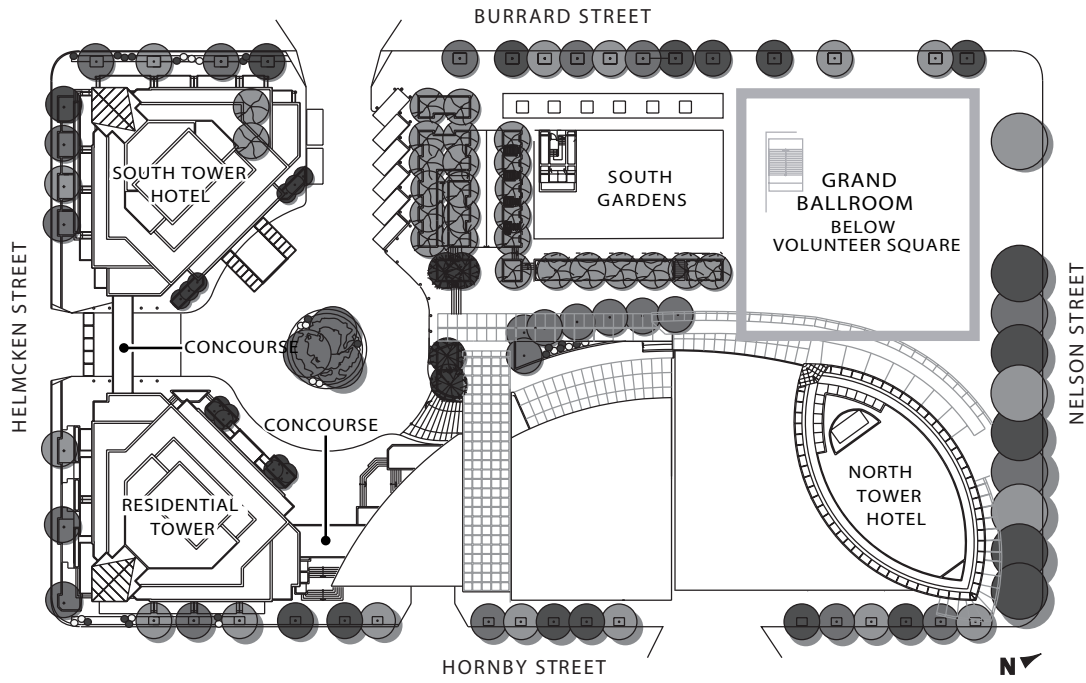
GRAND BALLROOM LEVEL - North Tower

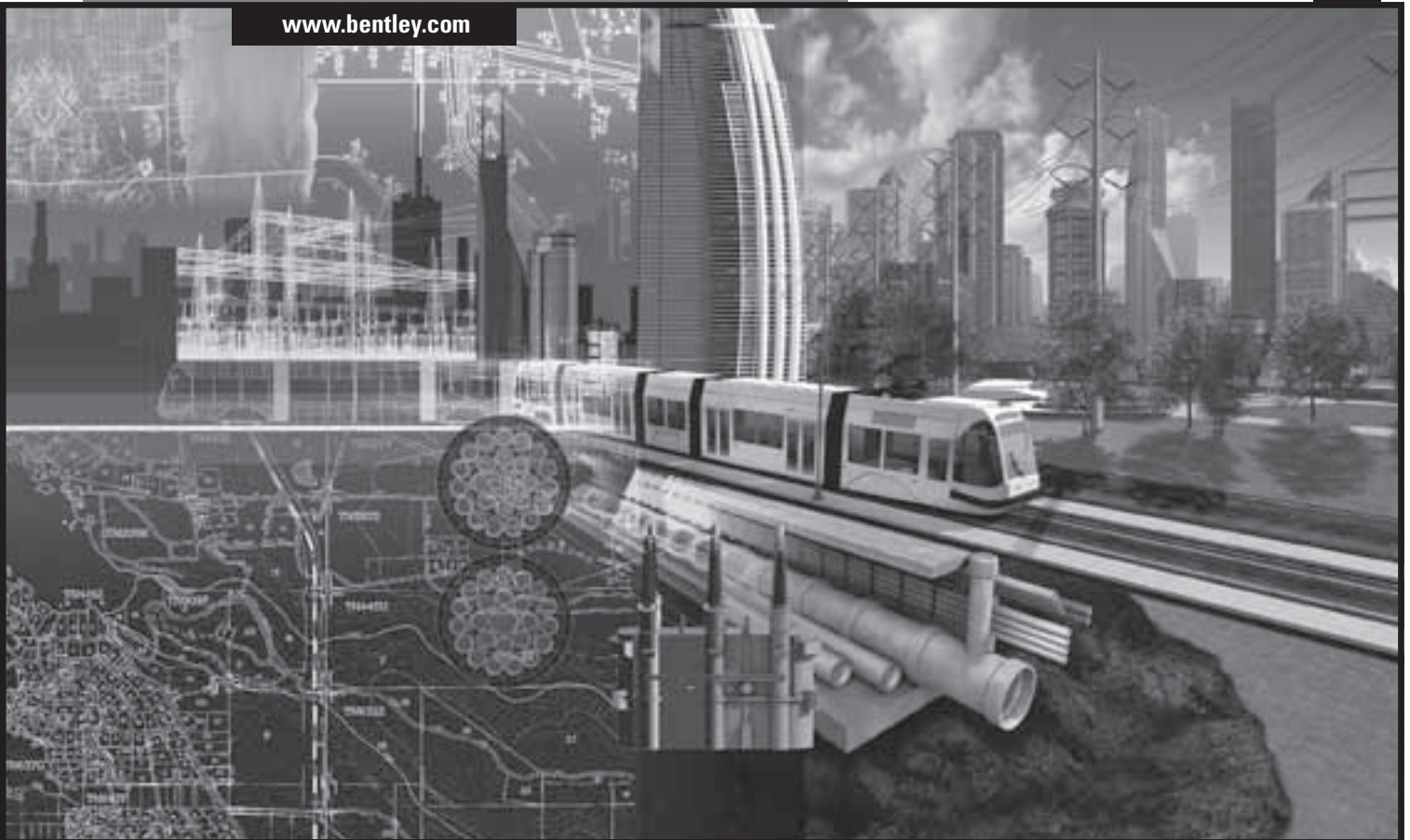


LEVEL FOUR - North Tower



*Sheraton Vancouver Wall Centre Hotel
Function room locations*





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