### Schedule (subject to change)

**Thursday, July 10, 2014**
- 9:00 a.m.–5:00 p.m. — Preconference Master Courses

**Friday, July 11, 2014**
- 9:00 a.m.–5:00 p.m. — Preconference Master Courses
- 9:00 a.m.–5:00 p.m. — Special Interest Group Meetings
- 7:00–8:45 p.m. — Opening Plenary
- 8:45–10:00 p.m. — Welcoming Reception: BetaLaunch

**Saturday, July 12, 2014**
- 7:00–8:45 a.m. — Special Activities
- 8:00 a.m.–7:30 p.m. — Science Fiction Symposium
- 8:30–9:00 a.m. — Sector Keynotes
- 9:30–10:30 a.m. — Concurrent Sessions
- 11:00 a.m.–12:00 noon — What If Journeys
- 12:15–1:45 p.m. — Keynote Luncheon
- 2:00–3:30 p.m. — Concurrent Sessions

**Sunday, July 13, 2014**
- 7:00–8:45 a.m. — Special Activities
- 8:00 a.m.–2:00 p.m. — Exhibits Open
- 8:30–9:30 a.m. — Sector Keynotes
- 9:30–10:30 a.m. — Concurrent Sessions
- 11:00 a.m.–12:00 noon — What If Journeys
- 12:15–1:45 p.m. — Keynote Luncheon
- 2:00–3:30 p.m. — Concurrent Sessions
- 3:45–5:00 p.m. — Closing Plenary Session

**Monday, July 14, 2014**
- 8:30 a.m.–3:30 p.m. — Professional Members Forum

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**Note:** This conference may be filmed, photographed, or recorded by management for future broadcast, publication, or promotion, including pictures of speakers and attendees or individuals in the audience. Your attendance at this event shall be deemed as your consent to have your image or likeness appear in any publication, broadcast, display, or other transmission or reproduction of this event in whole or in part.
“What If” questions are often our first step in exploring tomorrow’s possibilities. From the immediately practical—What if they cut my budget?—to the infinitely imaginative—What if everything were free?—such questions drive us to rattle the key in the locked doors of what we once thought were unknowable futures.

At WorldFuture 2014: What If, you will collaborate with some of the world’s most creative, curious, and committed thinkers to examine the trends shaping our common future and develop strategies for the coming decades.

In the two and a half days together, you’ll have time and opportunities to build your personal and professional connections with others who are passionate about making a positive difference.

Friday’s opening night highlights will include plenary speaker Paul Saffo, co-founder and managing director of Foresight at DISCERN, urging us to take the future seriously, plus our fourth annual “technology petting zoo,” Futurists: BetaLaunch.

Saturday’s broad range of concurrent sessions will be accompanied by a special day-long Science Fiction Symposium that specifically explores the synergistic relationship between fiction writing and futuring.

And on Sunday, following the final full day of diverse sessions, workshops, and discussions, we’ll wrap up with an inspiring plenary presentation by Stacey Childress, leader of the Bill & Melinda Gates Foundation’s investments in K-12 Next Generation Learning.

On behalf of the World Future Society’s Board, Membership, and Staff, I welcome you to Orlando!

Tim Mack
President

**Special Events**
- Futurists: BetaLaunch, see page 13
- Sci-Fi Symposium, see page 14
- Keynote Luncheons, see pages 22 and 41
- Religious Futurists Meeting, see page 34
- Meet-the-Author Sessions, see page 5
- Networking Room
- The Futurist Bookstore, see page 25
- Future Faire, see page 28
- Workshops, see page 12

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**Note:** This program contains information that was correct as of June 27, 2014. Additions, changes, and cancellations will undoubtedly occur before the conference takes place.
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<td>Thursday July 10, 2014</td>
<td>9:00 a.m.–5:00 p.m.</td>
<td>Dixie</td>
<td>n/a</td>
<td>COURSE 1: Futuring: Introduction to Futures Studies</td>
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<td>Gilchrist</td>
<td>n/a</td>
<td>COURSE 2: Foresight Educators Boot Camp</td>
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<td>Nassau</td>
<td>n/a</td>
<td>COURSE 3: Wiser Futures: Using Futures Tools to Better Understand and Create the Future</td>
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<td>Flagler</td>
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<td>COURSE 4: Fierce Oversight: Creating Tomorrow Out of the Changing of Today</td>
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<td>Broward</td>
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<td>COURSE 5: MiniTrends and MacroChange: Turbo-Charging Your Future</td>
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<td>Brevard</td>
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<td>COURSE 6: Science Fiction: The Mythology of the Future</td>
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<td>Friday July 11, 2014</td>
<td>8:30 a.m.–4:00 p.m.</td>
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<td>n/a</td>
<td>SPECIAL EVENT: Creating More Robust Foresight Networking for Communities and the Public Sector</td>
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<td>COURSE 7: Wicked Opportunities: A Foresight and Innovation Workshop</td>
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<td>Broward</td>
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<td>COURSE 8: How to Stratify Your Scenario</td>
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<td>Brevard</td>
<td>n/a</td>
<td>COURSE 9: Understanding 3D Printing and Supporting Technologies for Futurists</td>
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<td>Gilchrist</td>
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<td>Bonnet Creek (BC) Ballroom Salons I-III</td>
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<td>OPENING PLENARY: What If We Took the Future Seriously?—Paul Saffo</td>
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<td>BC Ballroom Salon IX</td>
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<td>Science Fiction Symposium — Brenda Cooper, Trevor Haldenby, Brad Aiken, Madeline Ashby, Ramez Naam, Zoltan Istvan, Glen Hiemstra, Tom Lombardo, Timothy Mack, Gray Scott, Linda Wilbur, and Kevin Russell</td>
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<td>2016 and Beyond: The Futures of African Americans — Yul Anderson, Gilbert Raliford, Lesley Gist, Derek Hankerson, and Marilyn Stephens</td>
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<td><strong>Sunday 12:15–1:45 p.m.</strong></td>
<td>KEYNOTE LUNCHEON: An Artist-Inventor Sees The Future—Steven M. Johnson</td>
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<td><strong>Sunday 2:00–3:15 p.m.</strong></td>
<td>Breaking Down University Academic Silos—Jorge Vanegas and Rodney Hill</td>
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### Sunday 3:30–5:00 p.m.

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<td>CLOSING PLENARY: New Developments in Education — Stacey Childress</td>
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### Monday July 14, 2014 8:30 a.m.–3:30 p.m.

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### Meet the Authors!

**Friday July 11, 2014 5:00-5:30 p.m.**
Paul Tinari, author of *The Joom Destiny* (FriesenPress: 2014)

**Saturday 12:00-12:30 p.m.**
Joegen Oerstroem Moeller, author of *How Asia can Shape the World* (Institute of Southeast Asian Studies: 2010)
Karl Albrecht, author of *Your Strategic Radar* (Albrecht Publishing Company: 2012)

**Saturday 1:45-2:00 p.m.**

**Saturday 3:00-4:00 p.m.**
Professional Futurists Verne Wheelwright, Wendy Schulz, Andy Hines, Riel Miller, Peter Bishop and Cindy Frewen, authors of *The Future of Futures* (Andrew Curry Association of Professional Futurists)

**Saturday 5:00-5:30 p.m.**
Linda Groff, author of *Evolving Worlds: Cutting-Edge for Humanity and the World* (Create Space for Amazon.com: 2014)

**Saturday 8:00 p.m.**
Thomas Lombardo, author of *Wisdom, Consciousness, and the Future* (Xlibris Corp.: 2011) and *Contemporary Futurist Thought* (AuthorHouse: 2006)
Brad Aiken, author of *Small Doses of the Future* (Springer: 2014)
Note: We will be adding several other sci/fi authors.

**Sunday July 13, 2014 10:30-11:00 a.m.**
Barbara Hubbard, author of *Emergence: The Shift from Ego to Essence* (Hampton Roads: 2012)

**Sunday 12:00-12:30 p.m.**

**Sunday 1:30-2:00 p.m.**

**Sunday 3:00-3:30 p.m.**
Lester Brown, author of *Breaking New Ground* (W.W. Norton & Co.: 2013)
Preconference Master Courses ($249 each)

C-1 Futuring: Introduction to Futures Studies
room: Dixie

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 about what to do about it. Few have taken a course, much less a degree, on how to think about and deal with the future. This pre-conference 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 even to experience some of the techniques discussed. Anyone who is thinking about living in the future should take this briefing before they start out!

Participants will leave this course with an understanding of:
• The field of futures studies.
• The logic of anticipating and influencing the future.
• The methods and tools that futurists use to anticipate and influence the future.
• Readings and other resources to continue learning about the future.

Peter C. Bishop is president of Strategic Foresight and Development, a firm that offers training and facilitation in strategic foresight (long-term forecasting and planning). In 2013, Dr. Bishop retired as an Associate Professor of Strategic Foresight and Director of the graduate program in Foresight at the University of Houston. He has published two books on the subject: Thinking about the Future: Guidelines for Strategic Foresight (2007) and Teaching about the Future: The Basics of Foresight Education (2012), both with co-author Andy Hines. Dr. Bishop is also a founding Board member of the Association of Professional Futurists.

C-2 Foresight Educators Boot Camp
room: Gilchrist

Have you ever wanted to package what you’ve learned about the future and use it as corporate training or a 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 literacy and skills. It will review both existing resources and share best practices on how to create lesson plans, short-courses, and entire degree curriculum. Join the new vanguard of futurists who are leveraging what they know to help adults get future-ready.

Who should attend: Corporate trainers, college educators, business consultants, community planners, and administrators, or anyone who has something to give as a foresight facilitator and wants to take it to a higher level.

Participants will leave this course with an understanding of:
• How to assess your own personal, professional, and academic assets as a futures educator.
• How to relate futures topics to workplace competencies for professional and personal development.
• How to identify training opportunities that futurists can develop within companies or schools.
• How to create practical foresight exercises, workshops and courses.
• How to engage in ‘just-in-time’ learning when asked to create face-to-face courses or online curriculum.
• How to market the importance of foresight training to academic and business leaders.
• How to locate foresight educators who can mentor you.

Jay Gary (@drjaygary) is an associate professor, School of Business & Leadership, and program director of the Master of Arts in Strategic Foresight at Regent University; member, University Foresight Network. Virginia Beach, Virginia, USA.

C-3 Wiser Futures: Using Futures Tools to Better Understand and Create the Future
room: Nassau

This popular workshop introduces
the Institute for Alternative Futures’ aspirational futures unique approach to using futures techniques in communities, organizations, governments, and corporations. You will use specific futures tools such as forecasts, scenarios, and visions; get practical advice on using futures tools to enhance learning and effective decision making 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 source book 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.

Participants will leave this course with an understanding of:
- The wisdom and hands-on experience of veteran practitioners in identifying trends, developing forecasts, creating stimulating scenarios, and discovering powerful visions for an organization.
- The basic techniques that the Institute for Alternative Futures considers essential to visionary and effective strategic planning.

Clem Bezold is chairman, senior futurist, 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 techniques, applying futures research and strategic planning methods in both the public and private sectors. He is a member of the Association of Professional Futurists (APF). Alexandria, Virginia, USA.

C-4 Fierce Foresight: Creating Tomorrow Out of the Changing of Today
room: Flagler

Fierce Foresight is a one-day intensive workshop for members of senior management, strategic leaders, strategic planners, and foresight consultants to help them lead their organizations into an uncertain future. By the end of this workshop, participants will be to able challenge the strength of current business model to sustain its success into the ever-changing future, be introduced to and engaged with new processes and tools to help shift the leadership focus from being predominantly tactical (strategic near-sightedness) to strategic, and will develop a “strategic foresight” dashboard that will enable them to identify and actively manage emerging strategic issues, allowing them to capitalize on future opportunities and minimize future threats.

The highlights of this workshop will be the “Black Swan” challenge and the creation of a simple but powerful strategic dashboard. The Black Swan experience, which will be conducted in teams, will provide participants with a powerful tool to help identify significant strategic risks (the Black Swan) as well as strategic opportunities (the White Knight).

The resulting capability of “Fierce Foresight” will provide strategic leaders with enhanced views of the future by the robust, intense, passionate, bold and relentless pursuit of insight and foresight, and the creation of its future. Participants will leave this course with an understanding of:
- The characteristics of “fierce foresight” and the factors contributing to “strategic near-sightedness.”
- Techniques that motivates senior management teams to embrace “fierce foresight” as a strategic mindset and address the factors contributing to strategic near-sightedness.
- How to create a simple but powerful strategic foresight dashboard to provide real-time management of strategic opportunities and threats.

Michael Petty is the managing partner and senior strategist at North Star Partners. Dr. Petty has spent the last 35 years as a corporate executive and management consultant assisting companies in maximizing shareholder value through strategic thought, planning, and execution; financial stewardship; and leadership development. He is the co-editor of the Strategic Leadership Review. Centreville, Virginia, USA.

C-5 MiniTrends and Macro-Change: Turbo-Charging Your Future
room: Broward

The world is constantly changing and you must keep moving forward to remain relevant and profit in your area or areas of interest. During this inspiring program, world-renowned Futurist David Pearce Snyder describes this changing world and the forces driving it. He helps you see the future through a matrix of many emerging trends—minitrends—that reflect the macro-changes that you must anticipate to be successful as the future unfolds.

Futurist Dr. John Vanston and Carrie Vanston, authors of the award-winning book MINITRENDS, will provide seven ways for you to find, analyze, and profit from important minitrends. The MiniTrends Mindset offers huge opportunities to those alert enough to identify them, perceptive enough to realize their importance, and adept enough to take advantage of them.

Audience involvement is encouraged including an Impact Wheel exercise.

Should you attend? Are you an innovative-thinker and doer who needs to or wants to stay on the cutting-edge of a changing world? An entrepreneur always looking for opportunities to start or grow ventures
THURSDAY

for profit, purpose, and/or fun? Are you looking to enhance your/your firm’s performance, professional standing, and/or investments? Take this opportunity to learn from these master futurists, while making valuable contacts for future networking.

Participants will leave this course with an understanding of:

• How predictable forces are rapidly reshaping our demography, economic structure, productive technologies, and decision-making processes.
• How monitoring these forces can enable participants to identify and profit from emerging trends and attractive business opportunities.
• How participants can apply the information, ideas, and insights presented in this course to guide their business, cause-related, personal, and investment decisions.

David Pearce Snyder is a consulting futurist with The Snyder Family Enterprise and long-time contributing editor to THE FUTURIST. He has been a professional forecaster for more than 50 years and writes extensively on the future impacts of new technologies. Bethesda, Maryland, USA.

John Vanston is chairman at Technology Futures, Inc. (TFI), a leading authority in custom research and technology forecasting. Dr. Vanston’s MiniTrends concept, designed to increase creativity, innovation, and success, is summarized in his award-winning book, MINI-TRENDS: How Innovators and Entrepreneurs Discover and Profit From Business and Technology Trends. Austin, Texas, USA.

Carrie Vanston is vice-president, communications, Technology Futures, Inc., and co-author of MINI-TRENDS: How Entrepreneurs and Innovators Discover and Profit From Business and Technology Trends. Austin, Texas, USA.

C-6 Science Fiction: The Mythology of the Future room: Brevard

Science fiction is not just about the future of science and technology; it is about the future of everything.

This course provides a comprehensive overview of the evolution of science fiction from its beginnings in Shelley, Verne, and Wells through the Golden and Silver Ages, the New Wave, Cyberpunk, and the great contemporary efflorescence of humanistic and cosmic science fiction, in the writings of Simmons, Vinge, Baxter, and others. We will look at both science fiction literature and film, and consider how science fiction has both influenced our visions of the future and been influenced by the ongoing evolution of modern society, science, and technology.

Participants will leave this course with an understanding of:

• The broad history of science fiction.
• The major topics and themes addressed in science fiction.
• The diverse values of science fiction, specifically regarding our understanding of the future.
• The role and significance of science fiction within human society.

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 “mentor” level ($150) contribution, or any dollar amount, will help make it possible for a student to attend.

We would like to acknowledge the following who donated.

Student Scholarship Donors

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Tom Lombardo is director of the Center for Future Consciousness, director of The Wisdom Page, Professor Emeritus and retired Faculty Chair of Psychology, Philosophy, and the Future at Rio Salado College, and editor of the online monthly newsletters, “The Wisdom Page Updates” and “Futurology.” Dr. Lombardo is an editorial board member of the Journal of Futures Studies and the World Future Review, and a member of numerous futurist organizations.
FRIDAY
8:30 a.m.–4:00 p.m.

SPECIAL EVENT
Creating More Robust Foresight Networking for Communities and the Public Sector
room: Flagler-Gilchrist

With communities and public sector organizations challenged by fast-paced change and increasing complexity, a networked approach can assist in identifying key trends and opportunities, as well as emerging challenges before they reach crisis proportions. Building and operating networks and collaborations can enhance our ability to exchange information on best practices in community and organizational foresight by identifying trends, opportunities, and challenges that can inform our direction-setting decisions and implementing actions. This morning will discuss experiences with foresight networks at the international, national, and community levels and will seek your input on the needed networking capabilities.

Following requests by these groups at their meeting last year in Chicago, the World Future Society has committed to expanding its support for networks and groups. To gain a deeper understanding of the needs and preferences of our members engaging in building self-organizing networks and groups, we are scheduling this working meeting of the Communities of the Future network and the Public Sector Foresight Network to work together to share experiences, best practices, and needs for networking.

The work program for the day follows.

Morning: Networking Practices
8:30 a.m.—Welcome and charges for the day

Ken Hunter, WFS Board Chair
Nancy Donovan, U.S. Government Accountability Office and the WFS Public Sector Foresight Network
Rick Smyre, President, Communities of the Future

8:45 a.m.—Welcoming and keynote address by Florida community and foresight leader—Rick Weddle, President and CEO, Metro Orlando Economic Development Commission

Practices and Experiences of Foresight Network Builders:
9:15–9:45 a.m.—Public Sector Foresight Network initiatives
• Building the international network—Nancy Donovan
• U.S. Federal government foresight network building—James-Christian Blockwood (US Department of Veterans Affairs, Director of Strategic Studies, Office of Policy & Planning)

9:45–10:15 a.m.—Communities of the Future network initiatives:
• Young professionals for community transformation—Rick Smyre
• Creative Molecular Economy network—Jim Damicis
• Future Forward College Network—Benita Budd
• 21st Century Neighborhood academy network—Randy Patrick
• Chamber of Commerce executives network—Virginia Gibbs

10:15 a.m.—Break
10:30 a.m.—Working groups on advice to WFS on supporting communities of common interest and practice.
FYI, WFS has already upgraded its software to include the capabilities to support groups and is developing the staff skills needed. We will divide into working groups of 6 to 8 people for 40 minutes of compiling recommended policies and practices for (1) mobilizing and sustaining self-organizing networks of volunteers to engage in robust collaboration with high levels of participation, (2) operating with the “World Future Society” brand and promoting very best practices, and (3) creating sustainable financing for the network activities. We will have 20 minutes for the working groups to report their recommendations.

11:30 a.m.—Open discussion, summary and closing remarks by Ken Hunter, Rick Smyre and Nancy Donovan

Noon—Adjourn for Lunch (on your own)

Communities of the Future Working Meeting
room: Baker
1:00 to 4:00 p.m.—A detailed program will be provided to members of the Communities of the Future Network. This working meeting will include at least 10 members of the young professional network being built.

Public Sector Foresight Network
room: Flagler
1:00–1:15 p.m.—Introductions
Nancy Donovan, GAO (Co-Founder of PSFN)
**FRIDAY**

**9:00 a.m.–5:00 p.m.**

**Preconference Master Courses ($249 each)**

**C-7 Wicked Opportunities: A Foresight and Innovation Workshop**

Sponsored by

Firms seeking to develop the skill of futures thinking in their organizations often overlook the powerful link between foresight and innovation. Cloaking Strategic Foresight under the veil of innovation can accelerate adoption, ultimately building the business case for integrating foresight outside of research and development. “Wicked Opportunities” is a unique program which introduces foresight concepts within the context of innovation, allowing participants to step through the tangible application of principles that are often dismissed as too abstract by non-practitioners. This workshop begins with emerging issues and demonstrates how meshing and pattern-making can convert these ideas from useless entries on the “2014 top 10 trends list” to actual opportunities that can be leveraged today. Through the Wicked Opportunities session attendees will be exposed to tools that will take their opportunities from incremental innovation to transformative invention.

This course is designed for business and social entrepreneurs, C-Suites, executives, and professionals who are interested in creating new products, services, experiences and ideas, and who are looking to build aspirational futures within their companies and organizations.

Participants will leave this course with an understanding of:

- The new environment of complexity, collaborative meshing, and innovation.
- How to develop solutions to long-standing problems and grand challenges.
- Collaboration and networking with course participants for trans-disciplinary innovation
- The skills and tools from the four parts of the Wicked Opportunities program: designs, implications, connections, and intentions.

**Dr. Clem Bezold**, Chairman, Institute for Alternative Futures (IAF) (Co-Founder of PSFN)

**Ken Hunter**, WFS Board Chair

1:15–3:00 p.m.—Developing scenarios

- Developing scenarios to determine future Canadian Army requirements and concepts—Lieutenant-Colonel Chris Rankin and colleagues, Canadian Army Land Warfare Centre
- Developing scenarios for public health—Clem Bezold, IAF
- Facilitated discussion on scenarios

3:00–3:15 p.m.—Break

3:15–3:45 p.m.—Integrating foresight, evaluation and survey methods

- Using “Prospective Evaluation Synthesis” and grounded foresight to design education-related study for Congressional use—Jamila Kennedy, US GAO, Education, Workforce and Income Security Team
- Facilitated discussion of use of multiple methods

3:45–5:00 p.m.—Networking on what you need for foresight work

Ken Hunter will kick off discussion with his thinking on core capabilities for foresight

5:15–6:45 p.m.—Networking Reception (Cash Bar)

**Yvette Montero Salvatico** (@ymsalvatico) has over 15 years of corporate experience with large, multinational firms such as Kimberly-Clark and the Walt Disney Company. Before becoming a partner at Kedge, she led the effort to establish Future Workforce Insights at the Walt Disney Company, identifying future workforce trends and leveraging foresight models and techniques to assess potential threats, impacts, emerging ideas, and opportunities for the organization; member, Association of Professional Futurists. Kissimmee, Florida, USA

**Frank Spencer** is the founder of Kedge, Frank worked for 15 years as a leadership coach and developer with entrepreneurs, social communities, networking initiatives and SMEs, helping them to advance human development, local and global innovation, and open-source collaboration. He is a member of the Association of Professional Futurists and the World Futures Studies Federation. Kissimmee, Florida, USA

**C-8 How to Stratify Your Scenario room: Broward**

Many foresight scenarios focus on a single, ideal customer for a product, service, or platform. But the richest and most engaging futures demonstrate multiple strata within society, populated by a diverse array of characters and contexts. From Blade Runner to District 9, depictions of the future that capture the imagination...
are the ones that look at all layers of society and culture. At the same time, developers are often blindsided by the way “the street finds its own uses for things.” So how can you design for the unexpected while still targeting your customer? How can you achieve a deeper perspective in your own scenarios, and how can you prototype with it in mind? In this workshop, we’ll figure out how to populate your scenario with nuance, so you’ll know all its implications.

Participants will leave this course with an understanding of:

• How to bring depth of characterization to scenarios.
• How to radicalize the implications or “outer corners” of a scenario.
• How to prepare for unforeseen uses of a product, service, or platform.
• The use of science fiction storytelling techniques to enrich scenarios.

Madeline Ashby is a science fiction novelist and strategic foresight consultant. She is the author of The Machine Dynasty series with Angry Robot Books, and she has also developed science fiction prototypes for Intel Labs, the Institute for the Future, SciFutures, and Strategic Innovation Lab. She has facilitated scenario workshops for multiple organizations and has been a guest on The Agenda and BBC World Services “Have Your Say program.” Toronto, Ontario, Canada.

C-9 Understanding 3D Printing and Supporting Technologies For Futurists 2.0
room: Brevard

Relatively inexpensive personal 3D printers and 3D scanners are increasingly being used by home hobbyists, homemakers, artists, architects, engineers, and others as an indispensable aid in the design process and as a means of producing finished products. Laser scanners can now convert almost any real-world object into a compact digital file. Freely available and easy-to-use Computer Aided Design (CAD) software packages such as SketchUp can be used to creatively modify (mash-up) the parameters of the scanned 3D design to create a greatly improved design. The resulting designs can then be uploaded to the Internet and shared with millions of people around the world.

In order to adapt and prosper in this new world dominated and driven by these rapidly evolving, paradigm shifting technologies, all professionals, regardless of discipline, will want to bring themselves up to speed so that they can avoid being blindsided by the profound consequences that these new systems will have on society.

Whether you are just intellectually curious, or if you are interested in harnessing Rapid Prototyping and related technologies to save time and lower costs of new product development, or simply because you want to learn about a new way to express your innate creativity, this course will teach you all of the basics that you will need to begin using and benefiting from these technologies. By the end of the course, you will have some knowledge of and working experience with the tools that you can use to obtain 3D aesthetic models, functional prototypes, or production parts directly from CAD data.

Specifically, participants will learn about:

• Significant developments in the field of 3D design and printing within the last year.
• The language and notation of 3D design.
• Types of 3D design software and the advantages and disadvantages of each.
• Types of Laser Scanners and how they can be used.
• Types of 3D printing machines, how they work and the advantages and disadvantages of each.
• Learning how to use the features of the SketchUp 3D and other free 3D drawing platforms.

• How to upload completed designs to the Internet so others can see, evaluate and purchase them.

Paul Tinari is a certified AutoCAD Drafting Technician and AutoCAD Instructor with more than 20 years experience in the creation of 3D designs. Dr. Tinari is the founder of the Bee3D.ca website. Coquitlam, British Columbia, Canada.

C-10 Creating a ‘What if’ Imaginarium
room: Nassau

Futurists work requires people to think in new ways. This can be challenging because so many are tied to conditions of the past. Wouldn’t it be nice if people were willing and prepared to open new doors of perception to consider ‘what if’?

This workshop is designed so participants learn the language and tools for nurturing creativity and imagination in themselves and others. With practice they will be able to empower teams to quickly enter into a safe and playful state where ideas are created, shaped, and built upon.

During this session participants will learn how to create a personal Imaginarium—a protected environment that encourages rapid growth of new ideas, dreams, and ‘what ifs’ on the way to making them real.

This course is for professionals who help individuals, groups, organizations, and communities reach higher levels of fulfillment and productivity and want a process and tools to stimulate innovation in safe, productive, and imaginative ways.

Participants will leave this course with an understanding of:

• How to use the construct of an Imaginarium to springboard new ideas and new decisions.
• Best practices including language tools to facilitate innovation-friendly environments.
• Ways to apply a framework for cre-
Futurism and Science-Fiction

Friday

12

\[\text{• How to use the tools of futurists and science-fiction writers to craft effective communications for specific audiences across different media.}
\]

1. How to capture ideas that inspire future scenarios while working with a group at a futures research think tank, while others work alone as artists and writers, brainstorming within their own minds. Steven M. Johnson is an artist-inventor with decades of experience in coming up with numbingly dumb, gleefully fanciful, and sometimes prophetically accurate ideas for future technologies.

2. He predicted a trend in torn clothing fashion in 1975, five years ahead of its first manifestation; his illustration of a bulletproof vest, hat and bookpack for children was published in 1991, 22 years ahead of an identical product marketed in Fall, 2013. An idea he considered foolish but amusing, a whole-mouth toothbrush with similar features was recently offered for sale. He foresaw print-on-demand publishing. He published illustrations of tiny cameras mounted on headgear, long before they began to appear on football, bicycle, sky diver, ski and military helmets.

3. He discusses methods for “thought-spinning” and for maximizing the production of lateral ideas, by prolonging the time spent in generating lateral images. His most successful concepts have been created while in a half-sleep, or a hypnagogic state.

Ideas

TORN BUSINESS WEAR: In the US, after middle-class young people of the “hippy” generation started experimenting with simple living and voluntary poverty, many chose to wear used, thrift store clothing. Johnson speculated that the trend might radiate into mainstream culture. In 1975 he predicted torn business wear would be fashionable. This has not happened yet, but ripped jeans and shirts did in fact become stylish.

BUMPER AUTOS: In 1991, Johnson began to speculate about flocking behavior in automobiles. Only recently have technological advances made flocking possible, for example with the Google driverless car. Already, cars can detect and react to the behavior of other cars on the road. Johnson envisioned vehicles with a version of the shopping cart wheel, that could be steered yet react freely when a vehicle was bumped. He posited: “...collisions at high speeds could be safe and fun,” though there might be crowding, ganging up or “vehicle capturing.” Vehicles could herd together to push a disabled vehicle to the side of the road.

Participants will then get a chance to create their own future visions using the techniques they have learned. In either art or writing, they will have a chance to practice using Johnson’s techniques to envision possible futures, and (if they want) present these visions to the class.

Steven M. Johnson is a cartoonist-inventor, former urban planner, newspaper artist, and auto company future trends analyst. Carmichael, California, USA.
FRIDAY

taneously delivers new personalized opportunities as humanity’s combined abilities grow. It’s designed to radically expand how much we each gain from “advanced technology as a platform” as we interact with all our screens throughout our daily lives.

4-H Exploding Bacon Robotics
Exploding Bacon is a 4-H Club that participates in FIRST robotics. Our team has been thriving and growing since its inception in 2006. At the first meeting that year there was a total of six kids and three adult mentors for an FRC team. By kickoff, which was only the second meeting, the team had grown to ten kids, from four different schools, and roughly six adult mentors. Since then the team has grown to include 5 FLL teams with our FRC team with more than eighty students from twelve schools in four counties, with a plethora of college and professional mentors leading the way.

But, just like FIRST, Exploding Bacon isn’t about building robots. This team is all about building people. Our students learn skills that will help them to become better employees and citizens. In addition to what the students learn, they participate in a wide range of community outreach projects from educational robotic demonstration events to helping those in need.

This year, Exploding Bacon built a 120 lb, 5’ tall robot to compete in an international competition. The robot will be available to interact with conference attendees.

Paul Saffo is co-founder and managing director of Foresight at DISCERN, consulting associate professor at Stanford University, and visiting scholar at Stanford Media-X. San Francisco, California, USA.

8:45–10:00 pm.
Welcoming Reception

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

Futurists: BetaLaunch

Futurists: BetaLaunch, the World Future Society’s fourth annual innovation competition, will allow WorldFuture 2014 attendees to get a glimpse of the companies, start-ups, and inventions that are changing the future. Here are the creators we’re honoring at F:BL this year.

Expandiverse Technology
The Expandiverse is new technology to build an advanced Digital Earth today. It introduces a different way to think about the future. Today’s tech is producing a barbell-shaped society that pushes the middle class out of good jobs and forces more people to the bottom, while wealth is moved to the top. Instead, Expandiverse Tech is designed to enable a fully digital planet that helps everyone thrive by moving to the top of our combined abilities. This provides a new path to the prosperous future we expected from advanced technology, with new ways for everyone to rise to greatness — rather than a future that is replacing people with technology.

With continuous connections in Shared Planetary Life Spaces, “Active Knowledge” that tells you what you need to know, connected screens across families of devices, embedded security, multiple levels of public/privacy/secrecy, personally directed content, embedded commerce that can immediately deliver the world’s best choices, group governances to receive human/social services, and more... Expandiverse Technology provides multiple ways for everyone to move ahead when the world’s best resources serve everyone individually.

This different kind of future continuously delivers new personalized opportunities as humanity’s combined abilities grow. It’s designed to radically expand how much we each gain from “advanced technology as a platform” as we interact with all our screens throughout our daily lives.

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Science Fiction Symposium
room: BC Ballroom Salon IX

Invitation from Brenda Cooper: I am a futurist and a science-fiction writer. There are actually quite a few of us: David Brin, Ramez Naam, Madeline Ashby, Vernor Vinge, Charlie Stross, Robert Sawyer, Karl Schroeder, and more.

For an experiment, I asked my social media contacts who they thought belonged on this list, and ended up with over twenty total names. I learned things. For example, Eliezer Yudkowski of friendly-AI fame writes fiction as well as nonfiction. I was reminded of Paul Graham Raven, who edits Futurismic, where I wrote a column for a time. It’s a fun sandbox to play in, a place where an article in a science or culture or design blog can spark a story, a story can drive research, an idea can form the basis of a talk.

I suspect that every hard science-fiction writer is at least a little bit of a futurist at heart. That is, after all, what writing science fiction is about: peering into the future and exploring a technology, a possible society, a plausible outcome of our current actions. The two job descriptions are close, although by no means are science-fiction credentials alone enough to create a futurist, or vice versa. Yet, all of us can use the work of both professions to make us better speakers, writers, and bloggers.

“What if?” is the single most enduring question for science-fiction writers. So when Cindy Wagner came up to me at the WorldFuture 2013 conference and mentioned that they might like a little assistance preparing a science-fiction symposium, I offered to help. When I asked her why the Society wanted to try this out, she said, “Futurism and science-fiction have had a long relationship with each other historically, but the nature and future of that relationship is seldom discussed seriously.”

She’s right, and we’re going to have that discussion during the symposium. We’re also going to have to explore both dystopian and utopian futures through fictional lenses, and offer all attendees a great chance to meet authors and get books signed. And more....

Come join us for all or part of the symposium, and be sure to also come to the evening reception and book signing.

Brenda Cooper, symposium organizer, is the author of several science-fiction novels, including most recently The Creative Fire and The Silver Ship and the Sea. She is also the CIO of the city of Kirkland, Washington, USA.

Trevor Haldenby is a designer, futurist, and digital storyteller. He brings stories about the future to life. Toronto, Ontario, Canada.

Brad Aiken is a science-fiction writer and doctor who explores the future of medicine.

Madeline Ashby writes brilliantly about self-aware machines.

Ramez Naam is an optimistic writer whose fiction and nonfiction alike explores innovative ways to save the world.

Zoltan Istvan is a futurist, journalist, and author of bestselling philosophical novel The Transhumanist Wager. California, USA.

8:30–9:00 a.m.—Welcome and Introduction by Brenda Cooper.

9:30–10:30 a.m.—Panel Session: Fiction as a Futuring Tool, featuring Madeline Ashby, Trevor Haldenby, Glen Hiemstra, and Tom Lombardo.

The work of science-fiction writers and futurists often informs, sometimes predicts, and occasionally affects the future. Do the two professions inform each other? How can professionals use both of these tools? Futurists will learn how and when it might be appropriate to incorporate the work or tools of science-fiction writers in their fields.

11:00–12:00 noon—What Current Science Fiction should Futurists Read? Vicki Stein (moderator), Glen Hiemstra, Brad Aiken, Brenda Cooper, and Trevor Haldenby.

2:00–3:00 p.m.—Science Fictional Dystopias: We’ve been warned! Featuring Ramez Naam, Brenda Cooper, Zoltan Istvan, and Timothy Mack.

Some of our greatest classic works of science fiction have explored dystopias. These include Brave New World, Fahrenheit 451, 1984, and numerous films like Blade Runner and District 9. Have these warnings helped us? What warnings are we seeing now?


Science-fiction writers have been talking about utopian futures for a
long time. What are young writers and innovators doing right now to create such a future?

5:00–6:30 p.m.—Dinner break.
Some speakers will be having dinner at the hotel, in a location to be announced.

6:30–7:30 p.m.—Visualizing the Future, featuring Gray Scott. (See page 25.)

8:00–10:00 p.m.—Social networking evening and Author Signings

8:30–9:00 a.m.

New Member Meeting
room: Orange

A special meeting is scheduled for new members of the Society to meet each other, to learn more about what to expect from the annual conference, and to share how the Society will create opportunities in your personal and professional life.

A long-time member will talk about World Future Society publications and activities. You will get a chance to meet with outgoing CEO Tim Mack, and with the incoming CEO. Several society staffers and board members will be present for introductions and discussion.

Our Fragmented Futures
future sector: Futuring
room: BC Ballroom Salon X

Futures Studies is in many ways a post-modern discipline. Its main tenet rejects the meta-narrative for an investigation of multiple possible futures. In practice this theory has traded the single grand vision for alternative GRAND VISIONS. The problem is that in a turbulent and fragmented world the “real” future is always made up of numerous, often conflicting, realities. Most of the tools we use do not make it possible to parse out this subtle yet critical difference. Our drive for clarity works

Future of Clean Water Sources
future sectors: Earth, Sci/Tech
room: BC Ballroom Salon XII

Access to clean water is at the very core of our survival. With the steadily increasing global population, our dependence on natural resources has increased proportionally. Furthermore, the spiral of technological innovations outpaces development of effective guidelines for life cycle management and regulations to properly recycle, reuse, and refuse products used daily by the current generation. As a result, water supplies contain contaminants that escape filtration and purification strategies currently employed at water treatment facilities. It is critically important to enhance awareness of the types of contaminants that exist in water supplies and develop appropriate remediation strategies such that the quality of water meets or exceeds criteria for safe consumption by human beings. This session will be devoted to sources of clean water that will exist in the future. The session will also discuss types of contaminants that exist in water supplies and technologies to identify and mitigate such contaminants to ensure clean water standards.

Participants will leave this session with an understanding of:
- The types of contaminants that exist in water supplies, and the body’s burden of water borne contaminants.
- The option of clean sources of water, and the relevance of clean water for our future survival.

Ashok Vaseashta is the director of the Institutes for Advanced Sciences Convergence and International Clean Water. He was professor and director of research at the Nanomaterials Processing & Characterization Laboratories at Marshall University. Dr. Vaseashta is senior member IEEE, fellow of the Institute of Nanotechnology, Fellow of American Physical Society and senior fellow of the New York Academy of Sciences. Herndon, Virginia, USA.
against the desire to produce holistic versions of the future.

For Futures Studies to have value in today’s world, we must redefine our work to produce complicated, often messy, but ultimately useful insights. This presentation will explore a method for accomplishing this so that we might better navigate the fragmented and complicated time in which we live.

Participants will leave this session with an understanding of:
• New ways of thinking about the discipline of futures studies.
• Specific tools to help avoid the trap of “Futures monotheism.”
• Techniques for producing holistic futures scenarios.

Joe Tankersley is a writer and futurist, Walt Disney Imagineering. Lake Buena Vista, Florida, USA.

21st-Century Human Capital Challenges & Opportunities

future sector: Commerce

room: BC Ballroom Salon VII

This session will address the perfect storm that is brewing in the 21st-century workplace that includes a confluence of such factors as:
• An aging society and workforce
• New workplace dynamics to accommodate a younger generation of workers
• Educational gaps between industry needs and graduating candidates
• The rapid pace of technology changes
• An emphasis on leader-employee relationships
• A rapid change in demographics
• An increased need for organizations to redefine themselves

Individually, each of these will significantly impact organizations; however, collectively they will have a dramatic impact on the future of all organizations.

Participants will leave this session with an understanding of:
• An increased understanding of the workplace challenges occurring now and in the future.
• Enhanced knowledge of these workplace implications for the workforce.
• How to identify short and long term actions that leaders should consider adding value and better enabling their organizations for success.

Edwin Mouriño-Ruiz is a Human Capital Practitioner, advisor, and educator. Orlando, Florida, USA.

What Does the Future Hold for Energy?

future sectors: Earth, Governance

room: BC Ballroom Salon VIII

A discussion of the past, present, and future of the energy sector; including upcoming energy sources and prognosis for the coming decades. This session will cover the intersection of policy and technology, and pay special attention to discussion of energy in the state of Florida.

Patrick Sheehan is director of the Office of Energy for the Florida Department of Agriculture and Consumer Services. He has served as the legislative affairs program manager for the International Affairs division of the U.S. National Guard Bureau at the Pentagon, the Country Director for Parliamentary Assistance programs in Romania and Bosnia, and as a Congressional Senior Staffer. Tallahassee, Florida, USA.

What Smartphones Can Teach Futurists

future sectors: Sci/Tech, Commerce

room: BC Ballroom Salon XI

The smartphone industry has seen both remarkable successes and remarkable failures over the last two decades. Developments have frequently confounded the predictions of apparent expert observers. What does this rich history have to teach futurists, technology enthusiasts, and activists for other forms of technology adoption and social improvement?

The presenter will draw from his unique inside knowledge of the smartphone industry and his chairmanship of London Futurists to address a number of key questions.

First, where is all this progress going? What comes next after the current round of smartphone innovations?

Second, what are the root causes that underpin this long-running technological and economic near miracle?

Finally, once we understand the sources of smartphone progress, can we arrange for similar factors to accelerate progress in other areas of technology, product, and human experience? Can we adapt insight from the smartphone industry to impact areas such as healthcare, energy, and government?

Participants will leave this session with an understanding of:
• Five factors complicating the timing and extent of impacts from technology.
• Some fascinating real-world examples of technological convergence and disruption.
• Three core disciplines that differentiate winners from losers in areas with fast-changing underlying technology.
• An awareness of the landscape of “what if” scenarios that lies ahead of recent developments in smartphone technology.
• A summary of highlights from the presenter’s 2014 book “Smart-
The 21st century is posed to be an age of unparalleled explorations, discovery, and increasing understanding about the infinite potential of the human brain—and both individual and collective consciousness and creativity. Converging research and development in areas such as neuro- and cognitive sciences, psychology, and related social and behavioral sciences, combined with advances in neuro-engineering, “neurotech,” and brain-computer interfaces, will enable new forms of learning, citizen neuroscience research, and entertainment, whole also supporting continuing cognitive health (“brain fitness”) as we age and live longer.

This session will explore the “Mindseum,” a new kind of hybrid learning and experimentation space combining physical, virtual, individual and social experiences and research about the mind and brain. Its uniqueness is that it will be initially co-designed, curated and crowd sourced by young people—from teens to college and grad students—and mentored by both interdisciplinary professionals and experts in the arts, sciences, humanities, and technology.

Participants will leave this session with an understanding of:

- How new advances in neurotechnologies and neuro/cognitive and learning sciences can enable all of us to better experience, learning and understanding our “inner space,” using digital multimedia and various perceptual and interactive experiences to get neuro- and other feedback about how we perceive and mentally, emotionally and consciously/unconsciously respond to and adapt to everyday experiences.
- They will also understand the architecture and multiple ways to participate as learners, teachers, collectors, curators, researchers and guides of this new kind of lifelong learning environment.
Ted Kahn is co-founder and CEO of DesignWorlds for Learning, Inc. and DesignWorlds for College & Careers, as well as founder and creative executive director of the Mindseum. Cupertino, California, USA.

Daniel Epstein is graduate assistant, Interdepartmental Program in Neuroscience, University of Utah. Salt Lake City, Utah, USA.

Fredrick Kaufman is a composer, musician, and creative educator, Professor of Composition Emeritus and former dean of School of Music at Florida International University. Miami Beach, Florida, USA.

Nathan Curtis (participating online) is doing research on how brain waves reflect cognitive activity in solving jigsaw puzzles, using Neurosky Mindwave brain-computer (EEG) headsets and interface with WujiTech.com’s Wuji BrainWave app as a research project for the Mindseum. Davis Senior High School, Davis, California, USA.

Emily Hamilton is research associate and consultant, Mindseum. She is a musician and neuroscientist, recent graduate of Columbia University, and is very involved with rapidly emerging cross-disciplinary work in neuroscience and other fields. Palo Alto, California, USA.

Forest Futures: Wild to Urban

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The Pacific Alliance in the Global Future

future sectors: Governance, Commerce

room: BC Ballroom Salon XI

A recent addition to Latin America’s regional trade blocs, the progressive Pacific Alliance facilitates the free movement of goods, services, capital, and people among its member states, which are currently Mexico, Colombia, Chile, and Peru, as well as 20 observer states. Together, it is poised to trade with the Asia-Pacific region.

Since June 2012, the Pacific Alliance has negotiated impressive agreements on economic, political, and international cooperation matters. However, it has also been criticized by non-members for being too closely allied with the United States and therefore unsympathetic to left-leaning governments.

Participants will leave this session with an understanding of the complex politics that shape the past, present, and future of Latin America and fuel its growth as a world economic power, and the impact that the Pacific Alliance will have on Asian trade and the future of trade alliances worldwide.

Arnulfo Valdivia Machuca, the Mexican Ambassador to Colombia. He has served as Coordinator of International Affairs of the Government of the State of Mexico and Economic Advisor to the Governor of the State of Mexico. Mexico City, Mexico.

Report from the Fourth International Thorium Energy Conference

future sector: Sci/Tech

room: BC Ballroom Salon VIII

At the end of October 2013, more than 200 participants from 33 nations met at CERN in Switzerland. The 69 sessions covered topics on National and International Thorium Programs plus current and future designs of Thorium energy systems. Panelists are four of the 14 American participants. The United States did not present a national program. Panelists offer reactions to the conference from three diverse viewpoints. One is a futurist concerned about climate change interested in Thorium as a safe, clean, carbon-free energy. The second is a nuclear researcher developing medical isotopes in a national laboratory. The third is a Congressional staffer new to Thorium energy. The panel will also report post-conference progress in restoring United States participation in the energy of the future.

The first Thorium reactor operated successfully at Oak Ridge National Laboratory 50 years ago. Political and geopolitical considerations rather than technical failure caused its premature shut down.

Participants will leave this session with an understanding of:
- Thorium’s potential to become the “energy of the future.”
- Thorium’s benefits over current fossil energy, as well as its possible drawbacks.
- What the U.S. must do to regain a role in the development of Thorium energy.

Anna Carson, Ph.D., moderator, The Osler Institute. Terre Haute, Indiana, USA.

Joseph Selliiken, M.D., The Osler Institute. Terre Haute, Indiana, USA.

Ganapati Myneni, Ph.D., Virginia Nuclear Energy Consortium. Yorktown, Virginia, USA.


2016 and Beyond: The Futures of African Americans

future sectors: Humanity, Governance

room: BC Ballroom Salon X

Five hundred years ago Africans came to the United States, and subsequently started the Underground Railroad, escaped to freedom, passed the Civil Rights Act, influenced global youth culture through hip hop, and rose to the presidency of the United States in 2008. Barack Obama’s presidency has not only influenced the future of African Americans in the United States, but also around the globe, and his legacy will result in a “What If” future for African Americans.

Participants will leave this session with an understanding of:
- President Obama’s impact on the future of African Americans in the U.S. and around the Globe.
- The history of African Americans’ future from the Underground Railroad to the presidency.
- A review of US African American Census data, and
- Audience participation in the African American “What If” Future process.

Yul Anderson is founder and president of Yul Anderson Consulting. He is also working with African leaders, historians, and the U.S. Census Department to develop economic indicators for African American and African Future economic and social development. Miami, Florida, USA.

Gilbert Raiford is a university professor, mental health consultant, and expert on social issues affecting African Americans. Miami, Florida, USA.
**The Data Era**

**future sector:** Sci/Tech  
**room:** BC Ballroom Salon VII

The internet of things, big data technologies, and the diversity of their relationship shall bring humanity a form of connected brilliance that will be unparalleled in past outlooks of a data driven future. This innovation will touch everything from commerce, education, crime, agriculture, medicine, insurance, dating, transport, and other daily foundations of modern life. The speaker will discuss current applications and methodologies in big data. He will then explore how bleeding edge innovation is beckoning upon us a world in which our ecology of interactions will be phenomenally developed, astonishingly efficient, and alarmingly pervasive.  

**Om Marwah** has an academic background in cognitive science and geography, and his focus is to understand how the systems of the mind interact with one’s social and cultural environment to produce behavior. He applies his expertise to big data in order to understand consumer behavior in a way previously unachievable by psychology. Some of his current interests include biohacking, travel, meditation, and water related issues. Cupertino, California, USA.

**The Future of Sex**

**future sectors:** Sci/Tech, Humanity  
**room:** Nassau

New developments in technology have created the possibility for all of us to have healthier, happier, and more satisfying sex lives: techno-sex, the use of intelligent programmable products in delivering customized sexual experience; bio-sex, the use of naturally occurring sex hormones for recreational purposes; remote sex, sex between people who are separated geographically; and mind sex, which delivers a virtual sex experience without our bodies getting involved.

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Derek Hankerson is an English teacher and speaker on educational topics. Jacksonville, Florida USA.

Marilyn Stephens is the Data Dissemination Specialist for the United States Census Bureau, Atlanta Region. She speaks on demographic diversity and multicultural workshops. Miami, Florida, USA.

**Erica Orange** and **Jared Weiner** are both executive vice presidents of Weiner, Edrich, Brown, Inc., one of the world’s leading futurist consulting firms. Erica and Jared sit on several boards, strategically advising groups about the impact that emerging trends will have on the future. New York, New York, USA.

**11:00 a.m.–12:00 noon**

**Cultural Shifts Among Global Youth: Part V**

**future sector:** Humanity  
**room:** BC Ballroom Salon XI

For the past four years, Erica Orange and Jared Weiner have covered a wide-ranging list of trends as it pertains to the future of global youth. Based on the popularity of these sessions, they are returning to do a Part V. Join them again this year for an in-depth overview of how these trends have evolved, in addition to a discussion of several other hot-button issues set to impact the future of young people around the world. Participants will leave the session with a much more holistic understanding of the opportunities and challenges facing today’s global youth populations.

**Erica Orange (@ErOrange) and Jared Weiner (@JWeinerWEB)**
Participants will leave this session with an understanding of the impact of emerging technologies on our sex lives, the realization that when the gaming and pornography industries grasp the full potential of the available technology, sex will never be the same again. Rather like the character in Woody Allen’s *Sleeper*, this comes at a price: increasingly we will have sex with ourselves and machines and less with each other. For some of us, this may prove to be an enhancement, for others a loss.


**The Geopolitical Future 25 Years from Now**

**future sectors:** Governance, Humanity

**room:** BC Ballroom Salon XII

A quarter century into the future, it is likely that humanity will look back at some surprising geopolitical developments. Globalization will face new threats. Governments and societies will act together. For some of us, this may prove to be an enhancement, for others a loss.

**Participants will leave this session with an understanding of:**

- How the world may look 25 years from now.
- Trends that will shape the geopolitical future.
- Who will likely be the global winners and losers.

**Joergen Oerstroem Moeller** is visiting senior research fellow at the Institute of Southeast Asian Studies and an adjunct professor at Singapore Management University and Copenhagen Business School. Singapore.

**Mapping the Global Transition to the Solar Age**

**future sector:** Earth

**room:** BC Ballroom Salon X

Green Transition Scoreboard® has tracked the emergence of disruptive, renewable energy facing the fierce resistance of incumbent fossilized sectors in many countries. The tipping point was in 2012, when 191 countries agreed at Rio+20 to accelerate the shift to low-carbon economies and to phase out their annual $500 billion of subsidies to fossil fuels. Nuclear power had already priced itself out of most energy markets, even with its huge subsidies. Yet, financial markets had not caught up with reality, overweighted with fossilized “assets” that were turning into liabilities. The slow shift beyond conventional economics, accelerated by their failed financial models in 2008, went into overdrive.

Participants will leave this session with an understanding of:

- The decline of “economism” and its replacement with more scientific models and metrics, including biomimicry and NASA’s earth systems science.
- How asset managers are being retrained to fully account for all six forms of capital in the cleaner, greener, more equitable societies of our 21st-century Solar Age.

Hazel Henderson is founder of Ethical Markets Media and the creator and co-executive producer of its TV series and is a world renowned futurist, evolutionary economist, and author. St. Augustine, Florida, USA.

**Will Society Allow Synthetic Bio?**

**future sector:** Sci/Tech

**room:** BC Ballroom Salon VIII

Session Description: Society follows a complex path as it determines whether to accept or reject new technologies. Synthetic biology is just coming into public view and thus beginning the path of societal scrutiny. Much is riding on the outcome of the review. But because the topic itself is not clearly defined, the public conversation is complicated. An amazing array of technologies hang in the balance. Be there to provide your thoughts on the future.

Participants will leave the session with an understanding of how society has accepted and rejected technologies in the past. Based on those insights, we will project how synthetic biology will fare in the societal review and what could make or break our future use of advanced biotechnology. There will be opportunities for session attendees to share their views.

Gil Meyer is director of Global Issues Management & Trend Analysis, DuPont Company. He has been with DuPont for 26 years, serving in a wide range of public affairs and regulatory affairs roles. His current assignment includes nanotechnology issues management, recall preparedness, chemical risk management, synthetic biology, crisis preparedness, and pandemic planning. Wilmington, Delaware, USA.
Professional foresight is on the rise. More people are being paid to create, predict, and manage the future in more exciting ways around the world today than ever before. Through the Foresight Education and Research Network (FERN), a professional network working to improve global foresight education, training, and careers, we have just written a careers guide for professional futurists, and are looking forward to sharing it with you.

Foresight Careers is the first-ever guide focused on advancing the careers of professional futurists, those who are paid, at least in part, to help others look to and analyze the future. This includes all those who have degrees from one of the twenty-two MS and PhD programs in foresight around the world, those who have taken foresight classes in the university, those who have taken a foresight certificate program, and those who are self-taught, and are seeking greater success as a foresight professional.

Paralleling the guide’s structure, we will talk first about the Foresight Field, including its definitions, models, training, and a few of its opportunities and challenges. Then we’ll cover Career Options, the most common roles, styles, industries, functions, and methods available to foresight practitioners. We will close with some general career advice, crowdsourced in the guide from over 900 professional futurists around the world, and leave ample time at the end for your questions and discussion.

Free electronic copies of the guide will be made available to the first 50 futurists who show up at the talk and provide their emails on a FERN clipboard.

Participants will leave this session with an understanding of:
- The wide and growing field of professional foresight.
- Poplar career options and opportunities.
- Crowdsourced career advice from fellow practitioners.
John Smart is a foresight consultant, educator, and scholar. He is president of the Acceleration Studies Foundation, a consultancy working to improve organizational strategy with respect to accelerating scientific, technological, business, and social change, co-founder of the Evo Devo Universe complex systems research community, and a co-founder of FERN. Mountain View, California, USA.

Josh Davis is a futurist and foresight analyst at Aperio Insights, a program associate at the Maclellan Foundation, and the Careers Guide Director at FERN. Chattanooga, Tennessee, USA.

Susan Fant is executive director of FERN and its directory of foresight resources, GlobalForesight.org. She is particularly interested in more entry-level professional foresight information reaching students and business people worldwide, and in promoting more first-level free and low-cost training and certificate programs in foresight.

Living With Solar Energy

room: BC Ballroom Salon VII

After the oil crisis, several alternative energies have been proposed. Solar energy is one of the best choices for our future. Chemists and researchers have invented the appropriate techniques to transfer solar power to usable energy and how to utilize it in our daily life.

But most people don’t actually think about what life will be like if we switch to solar energy exclusively. The power grids and gas stations will disappear; solar energy panels will be located in the house and on car rooftops and the concentration of CO2 will decrease. Most of our daily activities will take place during daylight to save energy. For example, office hours should start an hour earlier than normal, and many other schedule changes may need to be implemented.

Bo-Cheng Wang is dean of College of Science, Tamkang University. Dr. Wang specializes in chemistry and solar energy research. New Taipei, Taiwan.

Nanomedicine under the Microscope: A Journey in Pictures

future sector: Sci/Tech

room: BC Ballroom Salon XI

New paradigms are shrinking our world and a classic technological revolution in medicine is unfolding. The agents of this revolution are microscopically small, future products of a new interdisciplinary field known as nanotechnology. Nanotechnology is a high-risk, high-payoff global phenomenon, which involves the engineering and application of molecularly precise structures, devices, and systems by controlled manipulation of size and shape at the nanometer scale. Nanomedicine is the science and technology of using nanotechnology to improve human health and diagnose, treat, and prevent disease.

There is enormous excitement and expectation regarding nanomedicine as it continues to influence the pharmaceutical, device, and biotechnology industries. This is especially true in the design, formulation, and delivery of therapeutics. Currently, nanomedicine is at a critical stage. Numerous market forces and drivers are dictating a change in pharma’s quest for discovering, developing, and delivering novel therapeutics due to numerous challenges ranging from revenue losses due to patent expirations on blockbusters to enhanced regulatory oversight to an ever-increasing challenge from generic manufacturers. In the process, these forces are altering the drug landscape. Clearly, new ground rules and competitive business strategies are needed in the post-blockbuster era. As a result, pharmaceutical companies are turning to miniaturization and nanotechnology to enhance or supplement drug target discovery and drug development.

This presentation will highlight some of the fascinating and innovative nanomedical products that cleverly integrate biological, information and material sciences.

Participants will leave the session with an understanding of:

- The coming revolution in medicine.
- How nanomedicine will become the cornerstone of medical practice in the next decade as it enters the “golden era” of medicine.
- How in the future, nanomedicine will affect every aspect of human existence in novel and revolutionary ways.

Raj Bawa is president and patent agent at Bawa BioTech LLC. Dr. Bawa is also a scientific advisor at Teva Pharmaceutical Industries, Inc., Israel; adjunct professor at Rensselaer Polytechnic Institute in Troy, New York; and founding director of the American Society for Nanomedicine in Ashburn, Virginia.

Progress City 2.0

future sectors: Commerce, Futuring, Governance

room: BC Ballroom Salon VIII

2014 marks the 50th anniversary of the introduction of Progress City at the 1964 World’s Fair. Designed by Walt Disney for the General Electric Company, it was a glimpse into a future where technology would radically transform urban life. That vision
has inspires hundreds of dreams of future cities, and even one nearby theme park.

It seems fitting to consider our progress during the past half century toward creating that city of tomorrow. For all of our grand visions, today’s cities fall far short of those dreams.

We do not need more grand visions for redesigning our cities. What is needed is a better understanding of the very real obstacles that stand in our way and the future opportunities that might help us make radical change.

The diverse voices on this panel will address these questions through the lenses of myth-making, architecture, and social and political pressures.

Participants will leave this session with an understanding of:
- The role of the foresight expert in helping close the gap between vision and strategy.
- Techniques for assessing the barriers to preferred futures.
- The opportunities for radical redesign of cities.

Joe Tankersley is a writer and futurist for Walt Disney Imagineering in Lake Buena Vista, Florida, USA.

Cindy Frewen is board chair of APF, architect, founder of Frewen Architects, and adjunct professor of strategic foresight at University of Houston Futures Studies graduate program. Leawood, Kansas, USA.

Steven Seibert is a founding partner of trisect LLC. Tallahassee, Florida, USA.

Sara Robinson is a social futurist, columnist, and collaborator with Cognitive Policy Works. Seattle, Washington, USA.

Revolutions, Tea Parties, and Complexipacity

future sector: Governance

room: Nassau

Most futurists today believe that the middle class job loss and widening income gap arising from our current techno-economic restructuring will ultimately be followed by a “rising tide” of prosperity based on new products, services and jobs. For those without a hopeful long term vision, however, our degraded economic performance has provoked political mobilization promoting simplistic solutions for our many complex problems.

Futurists can/should actively inject an understanding of our complex circumstances into the public dialogue.

Participants will leave this session with an understanding of:
- Complexity and how to explain it to others.
- How to use social networks to increase your Complexipacity.
- How governance will be re-invented to enable societies to manage their increasingly complex circumstances.
- How to articulate the essential complexity of the future as a basis for challenging the kinds of unverified assumptions and unsound decision criteria to which 90% of all major planning errors are attributable.

David Pearce Snyder is a consulting futurist and contributing editor for The Futurist. Bethesda, Maryland, USA.

Teaching Youth Foresight Worldwide

future sectors: Humanity, Futuring

room: Flagler

What if young learners had the skills and confidence to deal effectively with uncertainties? What if teachers embraced today’s accelerated pace of change and global challenges as opportunities to help their students engage in solution building? Since 2009, students around the globe have been learning foresight practices and teachers have been leading the way. Results from one program show that students can successfully engage in the critical/creative thinking and problem solving necessary to develop alternative scenarios that address matters most important to them and that teachers appreciate curriculum that enables them to build knowledge alongside students.

This presentation will describe three significant themes about how teaching foresight (1) prepares students with 21st century skills, (2) empowers them to imagine alternative futures, and (3) requires them to recognize that future choices have consequences and pose ethical challenges. This session will be interactive, asking attendees to participate in discussion about furthering this important practice for our youth.

Participants will leave this session with an understanding of:
- How students can effectively engage in foresight practices when given instruction and support.
- How teachers can effectively teach foresight.
- The importance of teaching students about foresight and future studies as important tools for dealing with uncertainties, engaging in global problem solving initiatives, and tending to the complexities of ethical concerns that arise when we make decisions about future choices.

Willis Goldbeck is a member of the board of director at Institute for Alternative Futures (IAF) and foresight education designer and program coordinator, Office of Overseas Schools, US State Department. Alexandria, Virginia, USA.
Future Human Evolution

**future sectors:** Earth, Humanity

**room:** BC Ballroom Salon X

What if...different visions of the future human, and factors impacting the future evolution of humanity—short/medium to distant future—come true? What different scenarios result for our human, societal, planetary, and cosmic futures from each view? What kind of society and world will we create if each scenario comes true? Views of the future human will go beyond just technological (Kurzweil or body augmentation) to human-robotic relations, space exploration, earth preservation, consciousness views, and combinations.

Participants will leave this session with an understanding of:

- Differing views of the future human and factors impacting the future evolution of humanity—short/medium to farther future?
- Scenarios resulting from each view.
- Exploration of technological factors (from Kurzweil to body augmentation), human-robotic relations, effects of space exploration and living in space, taking care of the earth, and evolving consciousness on the future human.

**Linda Groff** is director, Global Options/Evolutionary Futures; Professor, California State University, Playa del Rey, California, USA.

**Kazuo Mizuta** is professor emeritus, Kyoto Sangyo University, Kyoto, Japan.

**Fabienne Goux-Baudiment** is director, Progec-tive, member of the Association of professional Futurists (APF). Paris, France.

**Bill Halal** is founder of TeleCast, professor emeritus of Management, Technology, and Innovation at George Washington University. Washington, DC, USA.

**Tom Lombardo** is director of the Center for Future Consciousness, director of The Wisdom Page, professor emeritus and retired faculty chair of Psychology, Philosophy, and the Future at Rio Salado College. Scottsdale, Arizona, USA.

**The Futurist Bookstore**

The Futurist Bookstore in the North Foyer is where you can buy speakers’ books, plus titles they recommend during their sessions.

**Bookstore Hours**

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<tr>
<th>Day</th>
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<tr>
<td>Friday July 11</td>
<td>11:30 a.m.–9:00 p.m.</td>
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<tr>
<td>Saturday July 12</td>
<td>8:00 a.m.–9:30 p.m.</td>
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<tr>
<td>Sunday July 13</td>
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**Special Event**

**Latin America in 2030 and Beyond**

**room:** BC Ballroom Salon VIII

Latin America is one of the fastest growing regions of the world, with an average economic growth of over 4%, almost twice the current average for OECD economies. But is this economic growth enough? And is Latin America a single region? How does it compare with mega-countries like China and India?

There have been incredible changes since the debt crisis of the 1980s.

**Tax Deduction**

Conference expenses may be tax deductible. U.S. Treasury regulation 1.1625 permits an income tax deduction for educational expenses (registration fees, cost of travel, meals, lodging) undertaken to: (1) Maintain or improve skills required in one’s employment or (2) Meet express requirements of an employer.
Latin America has become stronger and more resilient to negative international events, like the recent financial crisis that had a minor impact on the region. In fact, most Latin American countries are now economically healthier and tackling major historical issues like inequality and exclusion. And there are other issues to consider besides economics and politics, like the environment and social developments.

From 2010 to 2030, most Latin American countries are celebrating their bicentennials after independence. What does the future hold for the next 20 years? What are some possible scenarios for 2030? And for 2050?

This session will consider some of the above questions with knowledgeable experts about Latin America. The recent best-selling book “Latin America 2030” by The Millennium Project will also be presented during the session.

Participants will leave this session with an understanding of:

- The current situation and perspectives of Latin America, from its two largest countries (Brazil and Mexico) to the rest of the Caribbean, Central and South America.
- How Latin America compares with other major world regions such as China and India.

Sergio Bitar is a former senator and State Minister with three Chilean Councils for Foresight and Strategy. Santiago, Chile.

Hazel Henderson: founder of Ethical Markets Media, creator and co-executive producer of its TV series, and renowned futurist, evolutionary economist and author. St. Augustine, Florida, USA.

Cristovam Buarque: former Education Minister of Brazil, senator, and creator of the Futures Commission of Brazil.

Speed Futuring: What If

time frame: 2010–2030

future sector: Futuring

room: BC Ballroom Salon XII

Speed Futuring is a participant-driven discussion and networking session. Roundtables are organized around the conference’s six principal tracks: Commerce, Earth, Futuring, Governance, Humanity, and Sci/Tech. For WorldFuture 2014, we will encourage participants to consider the big “What If” questions in their chosen subject areas. A reporter for each roundtable will share a summary of the team’s thoughts with the rest of the group, responding to questions and answers.

Participants will leave this session with an understanding of:

- Diverse perspectives in exploring our common future and how trends in each sector impact all other sectors.
- Creative visions of our future, seen through a variety of “filters.”
- New sources of networking opportunities, both among people who share their interests and among those whose work and perspectives they may never have otherwise had a chance to encounter.

Participants will leave this session with an understanding of:

Leonel Fernández: former President of the Dominican Republic during three periods and founder of FUNGLODE. Santo Domingo, Dominican Republic.

José Cordeiro: founder of the WFS Venezuela Chapter, chair of the Millennium Project (Venezuela Node) and founding faculty of Singularity University, NASA in Ames, California. Caracas, Venezuela.

Federico Reyes Heroles: renowned Mexican writer and political analyst, cofounder and Chair of the Board of Transparencia, Mexicana.
• How creative thinking steps and tools are adapted for use in policy-making.
• Learn how to present senior leaders with thoughtful options for sound decision-making.

**Living Longer Means Working Longer: How the Superlongevity Revolution Will Transform the Career Life Cycle**

**future sector:** Commerce  
**room:** BC Ballroom Salon XI

While people live longer thanks to antibiotics, organ transplants, and soon, genetic engineering and 3D bio-printing, our current career life span seems more suited to an age when people on average lived to 60, not 90. This lecture-format presentation will address why longer careers will become the norm; the benefits of longer careers to organizations, workers, and society; the role of human enhancement technologies; and corporate and individual adaption strategies—job sabbaticals, second careers.

Participants will leave this session with an understanding of:
• The medical/technological breakthroughs making the Superlongevity Revolution possible.
• Why longer careers are inevitable.
• Measuring company managers, human resources personnel, and employees can take to smooth the transition to the longer careers.
• Social and economic risks of maintaining current career patterns.

**Michael G. Zey** is executive director, The Expansionary Institute. Media: CNN, CBS radio, ABC, a professor at Montclair State University, and an author. Morristown, New Jersey, USA.

**Visualizing the Future**

(a Science-Fiction Symposium session)  
**future sector:** Sci/Tech  
**room:** BC Ballroom Salon IX

What if visualization, imagination, and art could change the future? Life imitates art and life is now imitating science fiction.

Throughout history, visionary thinkers have known that you must visualize great works before they can be made real. From the Star Trek Tricorder to Isaac Asimov’s iRobot, visualization, creativity and imagination have been the catalyst for innovation.

Participants will leave this session with an understanding of:
• How to tap into the thinking needed to develop a foresight career.
• Where futurists agree and disagree on how our practice can become a recognized profession.
• How Delphi surveys can use expert panels to do “over the horizon” industry analysis.

**Jay Gary (@drjaygary)** is an assistant professor in Strategic Foresight at Regent University. Virginia Beach, Virginia, USA.

**The Future Is About People**

**future sectors:** Humanity, Futuring  
**room:** BC Ballroom Salon XII

When we think about the future, we often resort to visions of technology. However, as social beings, language, collaboration, networking, and connection are key to our development. Human communication will continue to transform with changes in technology, the global economy, cities, and more. The session will explore the convergence of these weak signals to understand how trends like social architecture, emotional software, and the global brain change how we work, interact, and ultimately live.

Participants will leave this session with an understanding of how the power of communication both pushes and pulls humanity toward the future.

**Nicole Baker** is an associate at Kedge with a background in interpersonal communication. Orlando, Florida, USA.

**Pathways for Foresight Careers**

**future sector:** Futuring  
**room:** BC Ballroom Salon X

How has your futurist work intersected with your career? What are the present state and future prospects of building a career in foresight? What competencies will tomorrow’s futurists demonstrate, whether as trend analysts, project managers, facilitators, or consultants?

This session presents findings from the “Certification of Professional Futurists 2030,” a Real-Time Delphi conducted among 142 experts from 29 countries on how six interlocking systems will shape how the futurists of tomorrow will build their careers: knowledge base, competency maps, interactive training, participatory networks, continuing education, and code of ethics.

Participants will leave this session with an understanding of:
• How to tap into the thinking needed to develop a foresight career.
• Where futurists agree and disagree on how our practice can become a recognized profession.
• How Delphi surveys can use expert panels to do “over the horizon” industry analysis.

**John Schmidt** is a team leader, Strategic Research and Analysis, at FINTRAC, Canada’s FIU. Ottawa, Ontario, Canada.

**Patricia Sommerville** teaches policy analysts to use foresight for the Government of Canada. Ottawa, Ontario, Canada.

**Jay Gary** (@drjaygary) is an assistant professor in Strategic Foresight at Regent University. Virginia Beach, Virginia, USA.
the future.
• How to use visualization to create innovation.
• Explore science fiction ideas that are about to become science fact.

**Future Faire Posters Session**

**room: BC Ballroom Salons IV-VI**

**Adaptable Organizations of the Future**

**future sector:** Commerce

What if large organizations had the ability to continuously shift their business to keep up with the ever-changing market place? We believe the future of work will demand constant change and adaptation. Developing a simple way to capture and embed inventions that improve a business’s way of working will be the only sustainable competitive advantage for large organizations. Doing this starts with effective culture, demands aligned leadership, and nurtures an engaged work force. Drawing from Balfour Beatty’s closed loop learning system, this presentation will explain how to be an adaptable organization of the future.

Participants will learn:
• How to spur innovation from your business for the benefit of the entire organization.
• The power of simple, repeatable processes to embed change in your organization.
• Developing a culture focused on learning and knowledge sharing.
• The importance of an engaged work force in an adaptable organization.
• Three disciplines for emerging leaders to improve organizational health.

**Juan F. Suarez** is vice president of Communications and Innovation, Lumina Foundation, Indianapolis, Indiana, USA.

**Haley Smith** is a communications project lead for Balfour Beatty Construction’s National Business Acquisition team. In this role, she is helping lead the company’s Business Acquisition and Client Advocacy strategy. For the past 18 months, Haley has been part of the Case4Space research consortium representing the millennial perspective. Fairfax, Virginia, USA.

**Wise-by-Design Innovation**

**future sector:** Governance

**room: BC Ballroom Salon VIII**

The world seems to be moving to a data-driven paradigm in response to an increasingly complex environment. Have we abandoned wisdom at a time when it could be the best answer to embracing complexity? This session will talk about wisdom as a human subsystem with a higher purpose—flourishing of self and others and how it could be applied to designing wiser organizations and wiser innovations.

Participants will leave this session with an understanding of:
• How to bring wisdom back into society.
• The theory of Flourishing Adaptive Systems.
• How to model a wisdom subsystem and design wise organizations.

**Juan F. Suarez** is vice president of Communications and Innovation, Lumina Foundation, Indianapolis, Indiana, USA.

**Changes in Human Communication Modes: The New Role of Visual Representations**

**future sector:** Human- ity, Futuring

Future languages may use visual representations as well as narrative,
given the change in human communication—With social networks, for example, focusing on images and videos, the written word may well be relegated to second place in human communication, after colorful visual representations. How can one apply this knowledge in the classroom and at home, with our children? What are the benefits of using diagrams and the written word, in terms of tacit knowledge communication? How can we become more proficient with human communication modes, new languages, trends in communication concerning ontologies, and how to build pictorial representations?

Manuel Au-Yong Oliveira  is a lecturer at the University of Porto and the University of Aveiro, Portugal. He is an INESC TEC Researcher and former Accenture employee in the consultancy division, Change Management department. Lisbon, Portugal.

Exploring the Future of Economic Development in Myanmar  

future sectors: Governance, Commerce  

This poster will highlight some of the process and findings of the Myanmar Futures Exchange (MFE), a non-profit, multi-stakeholder futures event held in Yangon, Myanmar. The MFE brought together 200 participants from the government, education, business, and social sectors to work for two days on visions for the future of Myanmar in 2020. Now in its second year, the MFE hopes to drive the Myanmar policy agenda by bringing diverse voices to the table and collaborating on a sustainable future.

The poster will contain two components. It will display images from the future of Myanmar designed by the MFE participants and highlight critical issues that emerged from the workshop such as ethnic tensions and democratic gridlock. It will do so in the wider context of futures for international development. Faire-goers will be invited to discuss the role of futures in community driven policy-making.

Alisha Bhagat is a futurist and sustainability advisor at Forum for the Future. In her past role as a US government consultant in the security field she engaged with scenario modeling and analysis on foreign policy topics. She is the co-founder of the Myanmar Futures Exchange, a two-day summit on sustainable economic development in Myanmar and most recently completed a futures workshop for a national feminist organization. New York, New York, USA.

Facing the Future Through Forward Theater  

future sectors: Humanity, Futuring  

What if we were face to face with the future?

Forward Theater is an existential manner of learning futures. Through a utopia, dystopia, and eutopia about a specific topic put on stage with a time limit, this technique allows an advance review of some of the possibilities we may face within the years. The basic structure of this method and application examples will be presented as well as its creative, sensorial, cognitive, and therapeutic benefits.

Participants will learn about:
• Forward Theater as an existential venue of learning futures.
• How to create a significant learning experience which can impact people’s perspective on futures.
• How collectively building futures is possible.

Alethia Montero is a Psychofuturist and a member of the World Future Society, World Futures Studies Federation. Mexico City, Mexico.

Guillermina Baena is a member of the World Future Society, World Futures Studies Federation. Mexico City, Mexico.

Foresight and Design: FM4D Model

future sector: Commerce  

As more and more companies are facing accelerated technology development and socio-economic changes, tools and methods are needed to integrate current product systems and businesses with the strategic future. Whether the new future product systems can be profitable is the most important question to be asked before their adoption. In other words the business feasibility of the concept product systems must be accurately simulated.

An integrated toolset, “FM4D with Business Modeling,” has been created and tested for this purpose. The FM4D-BM set includes integrated foresight methods tools such as STEEPV (Social, Technological, Economic, Environmental/Ecological, Political and Value-based issues) scanning, ARUP, scenario development, and business modeling simulation modules, organized in a straight forward adaptable approach. It has been successfully implemented in large, global firms.

The presentation will include actual examples of cases conducted with the FM4D-BM. Attendees will learn how to apply the model to develop foresighted product system design with related future business modeling.

Tony Kim is professor and chair of the design management department of IDAS, Hongik University, and director of Future Design Lab. Seoul, Republic of Korea.

Eun-young Oh, is a doctoral researcher in the BK21+ program, IDAS, Hongik University. Seoul, Republic of Korea.
Future Generations: Bridging the Gap

future sector: Humanity

Communications between age groups have been viewed as unsuccessful. Baby boomers do not understand the millennial generation, etc. As life spans increase to ages of 125–150 as projected, instead of four generations in direct contact with each other, there may be eight. A baby born today could live to hold his/her great-great-great-grandchild.

The presentation will suggest ways for both individuals and organizations to better understand and work with each other, combining the best of experience with the best of youthful energy. Corporations need to work on getting additional younger generations active within their membership. You will understand the importance of communicating as life spans increase and how to more actively engage with other age groups.

John Light is president, Green Light Alliance, Columbus, Ohio, and founding president of Hocking College. Nelsonville, Ohio, USA.

Anya DuVivier is a Miami University–Ohio senior majoring in Russian Language and Mechanical Engineering, Columbus, Ohio, USA.

The Future of Infant Feeding 2025

future sector: Humanity

Four distinct forecasts of infant feeding in the future United States offer strategic insights about American culture and social patterns that affect families, nutrition, consumers, and gender roles by examining two critical uncertainties: the outcome of social tensions among American mothers, known as the “Mommy Wars,” and the role of the American household as either “producer” or “consumer.” Four scenarios (whole milk, half and half, crème de la crème, and lactose intolerant) emerge from a Global Business Network (GBN) scenario process and sketch a range of alternative futures, raising awareness of the important role of breastfeeding to infant survival and human development.

Alexandra Whittington (@alexandra4casts) has taught futures-studies courses as an adjunct at the University of Houston and the University of Houston–Downtown. Her research focuses on the future of social issues, including education, families, communities, and gender roles. Houston, Texas, USA.

Future Writers—Futuristic Stories

future sector: Futuring

What if student science fiction writers not only explored the future, but based their stories on critical global issues? Research, a key element for any author, is the springboard for students participating in the Future Problem Solving Scenario Writing competition. Expert authentic assessments, along with the opportunity to compete at an international level, motivate high quality student work. The focus will be on using creative problem solving tools to promote futuristic writing and tools for teaching science fiction writing to students.

Vicki Stein is program director at Future Problem Solving International (FPSI) and was a classroom teacher for 37 years. Melbourne, Florida, USA.

Futuring Athletics and Recreation Technology

future sector: Futuring

Consistent with increasing participation rates by all peoples globally, advances in sports medicine and bio-engineering are yielding innovations benefiting recreational enthusiasts and professional athletes.

Body assessment, training prescriptions, injury mitigation, athletic equipment, wearable technologies, mobile technologies, implanted sensors, genetic engineering, and event management are but a few of the areas undergoing transition for the benefit of future athletic enthusiasts. We will also present ethical implications related to technologies potential for unfair competitive advantage; including performance enhancement and potential barriers to participation. Building on the author’s 2013 WFS presentation, applied research by the authors will be presented and an innovative opportunity will be provided for athletics technology forecasting with audience interaction elucidating their thoughts on trends, projections and concerns.

T.J. Malkinson is a researcher, editor, futurist, journalist, manager, and multisport athlete. Calgary, Alberta, Canada.

Chang He is a co-researcher from the University of Alberta Edmonton. Calgary, Alberta, Canada.

The Global Brain and the Future of Human Society

future sectors: Humanity, Governance

The Global Brain is a leading hypothesis explaining the current evolution of the human system. Recent multidisciplinary research at the Global Brain Institute has laid a potential framework for thinking about the future of human society within the context of the emergence of a global brain this century. This poster will outline the theory of challenge propagation and explain how this theory can help us formulate an empirical understanding of the future of individual and collective human experience with a global brain. This
includes a prescriptive and predictive analysis of the future of governance and religion. The poster invites discussion as well as critical and constructive feedback as its sole purpose is to stimulate a decentralized discussion that will help us all better understand the future of human organization in the twenty-first century.

**Cadell Last** is an evolutionary scientist and PhD candidate at the Global Brain Institute. His education and independent research background includes work in anthropology, biology, cybernetics, and history; with a focus on understanding human system evolution. He is currently working on a book titled “Pathway to the Global Brain”, and his PhD thesis work concentrates on understanding the potential properties of the global village. Toronto, Ontario, Canada.

**Global Development 2030: How Will We Share Our Future?**

**future sectors:** Humanity, Governance

The global development challenge is to provide nine billion people a standard of living in keeping with agreed-on social foundations while living with planetary boundaries. This poster session will provide participants an opportunity to learn how we are using futures thinking and the Global Intelligence System to enhance the conversation on the 2030 global development agenda, by engaging over 500 futurists and development practitioners in an interdisciplinary, inter-generational futures dialogue on Sharing Our Humanity, Our Planet and Our Rule Book. Attendees will be able to learn about the various methodologies to be used, and how they can get engaged.

**Claire Nelson** is the Ideation Leader of The Futures Forum, a thought leadership practice which promotes and conducts strategic foresight and integral development consulting, with a particular interest in global challenges. She has over 30 years of experience in international development and was a pioneer in placing the issue of development with equity on the agenda of the Washington international financial institutions.

**How Parents’ Gender Beliefs Affect their Expectations of Children’s Performance**

**future sector:** Humanity

Gender belief is a stereotype component. All cultures have different gender-specific expectations that will affect both male and female’s ability on educational and occupational performance.

Especially in Chinese society, parents’ gender beliefs affect their children in many ways. This research explores the facts regarding the influence of the parents’ gender beliefs on their expectation of their children’s educational and occupational performance. An empirical study using nation-wide data in Taiwan will be employed to see whether there is a significant statistical difference in parents’ expectations based on whether they hold modern or traditional gender beliefs.

**Lihui Peng** is an assistant professor, Graduate Institute of Futures Studies, Tamkang University, Taipei City, Taiwan.

**Investing In Emerging Technologies**

**future sector:** Commerce

Some of the most exciting opportunities can be found in emerging technologies. In this presentation, we’ll look at some of the defining technologies of the next decade, including 3D printing, OLEDs (organic light-emitting diodes), graphene (a 2-dimensional, crystalline allotrope of carbon), robotics, and machine-to-machine (M2M) communications.

Using the building blocks of financial analysis, market sentiment, and strategic foresight, you will learn multiple approaches to evaluate prospective investments in publicly-traded companies.

You will also learn about the importance of identifying technology ecosystems and the best places to find ideas on emerging trends, and how to use the Hype Cycle as a strategy selection tool.

**James Lee** is founder of Strategic Foresight Investments. Wilmington, Delaware, USA.

**Lessons for the Transformation to a Desirable Evolutionary Future Society**

**future sectors:** Governance, Humanity

In 1995, Santa Barbara, California had 350 gang members and 223 gang incidents, including murders. Methods of resolution: 1) Five social agencies acted separately and in competition with each other, ending in failure (1995); 2) Thirty multidisciplinary social agencies acted together but in disagreement and competition, also ending without success (1995-1997); 3) The same thirty agencies acted in agreement and collaboration for a common purpose, resulting in a reduction of gang incidents by 93%, and ended in success and in the transformation to a desirable society (1997-1999). This poster will draw from the lessons learned in this transition to explain how agencies can bring about desirable futures.

**Simon Simonian** serves as a consultant in Desirable Evolutionary Futures. Pacific Palisades, California, USA.
**Free Career and Job Counseling**

Are you interested in changing careers? Are you wondering whether your current path is the right choice? Career and job counseling, including job search and career change strategy, résumé writing and interviewing techniques, will be available to all WFS conference participants at no charge. Professional career counselors are volunteering their time and expertise to conduct these 30-minute career counseling sessions, coordinated by Helen Harkness, Ph.D.

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**The Library of the Future**

*future sectors: Governance, Humanity*

The Chattanooga Public Library has taken the public library that we all remember as a warehouse full of books, just a shush away from getting in trouble, and created what the library of the future will look like. This 21st Century library still has books, but there are also 3-D printers, laser cutters, sewing machines, and spaces for conducting business meetings and computer coding classes.

We will share how we thoroughly migrated into the current era, increased our relevance in the community (150% increase in usage in a mere two years), and took the “sharing economy” to a new level.

**Corinne Hill** has been in the library business for 19 years and is currently the Executive Director of Chattanooga Public Library. In January, Library Journal, a trade publication, named her its 2014 Librarian of the Year. She believes that public libraries are places for personal fulfillment, content creation and community engagement.

Chattanooga, Tennessee, USA.

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**Mindshift: Remake the Future of Work**

*future sector: Commerce*

Traditionally structured corporations have reached an inflection point for survival. The life span of an S&P 500 company is less than 15 years, a drop from 75 years when the ranking was initiated in the early 1900s. The 2013 IBM Global CEO report links business survival to innovation, innovation to collaboration and employee engagement. If engagement provides the foundation, then it’s no wonder the survival rate of corporations is so low. Since 1997, less than 30% of their employees are engaged. Companies are better off paying 20% of their employees to stay home because of the negative impact.

These statistics disturbed a group of leaders who formed a futures initiative using a collective commons called Mindshift to get to the root of disengagement. They then looked for outliers and companies with long track records of resilience and uncovered the secrets that highly engaged corporations’ practice that others do not. One common element is the importance of space and how it can be used as a proxy for uncovering, re-aligning and transforming culture.

The collective commons included Google, WL Gore, Cummin’s Diesel, The Gates Foundation, Haworth, Balfour Beatty, FOX Architects, BHDP, GSA, CoreNet, HDR, Jacobs Engineering, Autodesk, Cousin’s Properties, Building, and a total of thirty companies.

Participants will learn:

- What the Mindshift coalition discovered about a company’s ability to adapt and innovate.
- The environments high-performing companies create to support their workforce and shape their culture.

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**Preventing Threats and Surviving Growth**

*future sectors: Futuring, Humanity, Sci/Tech*

The future promises significantly enriched quality of life. In contrast, we also face major threats like natural disasters, global warming, and terrorism. This poster will analyze threats to humanity through the lens of technology and time.

Technology might one day safely divert meteorites, but some threats, like bio-terrorism, thrive on technology. We will analyze the magnitude and likelihood of these threats over time. The poster will highlight the significance of preventing these as utmost priority.

Participants will leave this session with an understanding of:

- The possibility of a future with tremendous growth, prosperity, and improvements in health, aging, communication, and connectivity.
- Identification and characterization of threats that can significantly impact the development of life and society.
- The need for emphasis on threat prevention in contrast to fostering growth.

**Neeraj Mital** is a futurist writer, and founder and president of Sofnet Technology, Inc., a technology consulting company. He is passionate about envisioning a better future for mankind. Newtonville, Massachusetts, United States.

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**“What If:” Counterfactual Construction of the Future**

*future sector: Futuring*

“What if” is examined as an intersection of two different perspectives: the counterfactual analysis of the past, which becomes a trigger for building scenarios for the future.

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**Rex Miller** is an author, futurist, and practitioner with a graduate degree in the power of media landscapes as drivers of change.

North Richland Hills, Texas, USA.
Combining counterfactual analysis and future scenario building, this poster introduces a new methodology that could improve scientific prognosis. The model extrapolates the consequences of past counterfactuals into future scenarios since constructed facts (counterfactuals in the future) are presented with the same weight, value and impact over the reality as the true facts.

This presentation considers that constructed facts (hypotheses, suppositions, rumors, gossip, etc.), whether true or not, have as much or more influence over reality as actual facts. The statement is supported by many examples and case studies.

**Mariana Todorova** is from the Bulgarian Academy of Sciences, Sofia, Bulgaria.

What is Posthuman Economics?

$\text{future sectors:}$ Commerce, Governance, Humanity

Five years after the worst financial crisis since World War II, global economic growth remains lackluster despite unprecedented policy stimulus, with interest rates at 500-year lows. While some drags are cyclical, the fundamental reasons for growth slowdown are structural: aging populations, environmental degradation, rising inequality, and slowing productivity growth. With globalization, financial deepening, and the IT revolution offering diminishing returns, the recent sluggish growth is likely to last longer than expected. In fact, without a fundamental technological leap, the rapid progress since the first Industrial Revolution may turn out to be a one-off episode in human history.

New transformational technologies are not only about making existing human bodies and minds work better and more efficient, but also about creating better bodies and minds, in software, hardware, wetware, or hybrids. The cutting edge scientific research is entering the posthuman era: a fundamental change from creating human aids to genetically new human beings and autonomous intelligent beings.

What will economic growth be like in the posthuman world? Economics is the social science of satisfying unlimited human wants with scarce resources, a study of how people make choices, particularly concerning production, distribution, and consumption of wealth in human society. With a vastly expanded scope, posthuman economics becomes a study of how to maximize conscious cosmic evolution freed from human constraints. The motivation of economics is unmet human desires (thus the sense of scarcity); the motivation of posthuman economics is unmet desires of the universe (coming from the sense of time as the universe evolved from pure energy to matter, to life, to mind, to reflective consciousness, and presently to artificial intelligence).

**Ted Chu** is a clinical professor of economics at New York University. He has worked as an economist at the World Bank, Arthur D. Little, General Motors, and the Abu Dhabi Investment Authority. As part of his ongoing research on humanity’s place in the universe, he founded the nonprofit COBE (Cosmic Being) Institute in Michigan and serves as a senior scholar at ChangCe a Beijing-based independent think tank. Abu Dhabi, UAE.
Religious Futurists Meeting

room: Nassau

Would you like to meet other futurists who are helping their churches or temples, mosques or ministries, lead from the future, not just the past? Religious Futurists first gathered at the World Future Society in 1980. At WorldFuture 2014, we will again have an open gathering for anyone who serves at the intersection of spirituality and futures consciousness, either as volunteers or full-time. Participants will meet each other and share ideas on the best practices of foresight within spiritual movements. This 75-minute meeting is being hosted by the World Network of Religious Futurists, http://www.wnrf.org.

Report on 2013:

With the encouragement of President Tim Mack since 2012, I have hosted a Religious Futurists gathering in 2012 Toronto and 2013 Chicago. Each gathering drew a full room of 45 participants.

This past year, 2013, I opened the Religious Futurist meeting with a 10-minute overview of the future of religion, from Toronto 1980 onward and various milestones in publishing and meetings.

After that the session was devoted to the main activity of participants doing Futures Wheels on various game changers, and considering how it might impact spiritual identity and religious practice in their tradition(s). The breakout groups were:

1. US Strikes Iran 2018
2. Enhanced Youth 2023
3. Artificial Intelligence 2043
4. First Contact 2053

Working from a common “Futures Wheel” worksheet, each group worked enthusiastically and shared their results with the whole group at the end of the session.

This session worked well due to the group interaction, which enabled people to engage the conference theme from their personal spiritual identity, and meet others who are leading from the future in their religious traditions. The Religious Futurists Meeting in 2014 will include similar participatory activities.

Hosted by: Jay Gary, program director and assistant professor, M.A. in Strategic Foresight, School of Business & Leadership, Regent University, Virginia Beach, VA.

Latin America Network

room: Nassau

All are welcome to join in this meeting about the futures of Latin America. This meeting will be moderated by Jose Cordeiro, founder of the WFS Venezuela chapter, and will include many important members of other WFS chapters throughout Latin America. Discussions will consider the political, economic, social, environmental, and cultural futures of Latin America. This is your opportunity to meet and network with other attendees from Latin America in English, Spanish, Portuguese, and French.

8:30–9:00 a.m.

Brazil’s Progress Toward the Future of Agriculture

future sectors: Earth, Commerce

room: BC Ballroom Salon XII

The world of agriculture is under pressure to meet future demands for food. The challenges are huge. Value chains must adapt to perform against important global threats and trends, including an increasing scarcity of land and water resources, continuing population shifts toward urban areas, global warming, and increased demand for better quality food at accessible prices. Land has also been increasingly used to support the production of renewable energy, such as bioethanol and biodiesel. Brazil is conscious of its global role in this regard. The country has a prominent position in the international market for agricultural products, and provides for environmental services. Notable progress has been made in the area of agricultural technological development. A study was undertaken by the Center of Strategic Studies and Management, in close partnership with Embrapa, to further examine the future implications of the changing environment surrounding food production and develop measures designed to expand current figures in a sustainable way. The Center has applied a considerable number of methods and tools to deal with his very complex theme, ranging from establishing a participatory environment for stakeholders to contribute and collectively learn from the integrated analysis of the pressing issues to allowing for the interpretation of data towards sustainability of food produc-
Marcio de Miranda Santos is an agronomist and a former visiting scholar at Harvard University, where he studied the impacts of intellectual property rights regimes on the access and ownership of plant genetic resources utilized in food and agriculture. Since 2001, he has been executive director of the Brazilian Centre for Strategic Management and Studies in Science, Technology and Innovation (CGEE). In this capacity, he has supervised more than a hundred future studies aiming at promoting science, technology and innovation in distinct productive sectors of the Brazilian economy. Brasilia, Federal District, Brazil.

Bringing Scenarios to Life

future sectors: Futuring, Sci/Tech

room: BC Ballroom Salon IX

Introducing emerging trends in transmedia storytelling and participatory entertainment, the session will explore how new approaches to building story worlds, spreading story content across media, and engaging customers and audiences as co-creators can bridge the gap between science-fiction storytelling, scenario planning, and open foresight practices. These ideas will be explored using case studies of ByoLogyc, a transmedia future scenario, and DIY Days, a participatory design workshop series.

Participants will leave this session with an understanding of:
• How to use transmedia storytelling techniques to build rich and immersive experiential entry points to future scenarios.
• How to test and evolve new business models for engaging the public in scenario planning and futures.
• Current trends and exciting developments in the domains of essential futures, participatory design fiction, and strategic foresight.

Everyone Faces a Transhumanist Wager

future sector: Sci/Tech

room: BC Ballroom Salon VIII

The “Transhumanist Wager” can be summed up like this: “If a reasoning human being loves and values life, they will want to live as long as possible—the desire to be immortal. Nevertheless, it’s impossible to know if they’re going to be immortal once they die. To do nothing doesn’t help the odds of attaining immortality—since it seems evident that everyone will die someday and possibly cease to exist. To try to do something scientifically constructive toward ensuring immortality beforehand is the most logical conclusion.

In the 21st century, with so much promising science and technology available to our civilization, we must do something constructive toward ensuring our ongoing lives and defeating death. We must all do this because we each face our own Transhumanist Wager. I believe we should each risk everything in order to preserve our lives. Anything else falls short of our appreciation of life.

Participants will leave this session with an understanding of:
• The details of the Transhumanist Wager.
• How every human on the planet faces their own Transhumanist Wager.
• How a fraction of the world’s wealth dedicated to life extension could transform human mortality.
• How a stronger, more aggressive moral stance on the issue of longevity would benefit our species.

The Future in Storm and Light

future sector: Commerce

room: BC Ballroom Salon VII

A highly interactive session demonstrating the Storm and Light Insight System. This new approach uses a series of storm and light images to organize the discussion of the future. These images provide a common ground for everyone to discuss the future. They feature a universally understandable structure rather than the usual jargon or abstract expression that is used in the analysis of the future.

The website www.stormandlight.com shows the system on subjects as diverse as football, newspapers, summer movies and the floral industry.

Participants will leave this session with an understanding of:
• The Storm and Light System as a way to organize a conversation with the future on most any subject.

John Sweeney is a professor at the University of North Carolina at Chapel Hill. He is the head of the advertising sequence and directs the Sports Communication Program. Chapel Hill, North Carolina, USA.

Growing Up Girl: The Future of Girlhood

future sector: Humanity

room: BC Ballroom Salon X

Girl power has grown up too fast. It’s lost the charisma and relevance it
needs to build confidence in young women. There’s a gap in how girls grow up—and the women they aspire to be. In this session, we’ll explore the trends shaping girlhood including education, play, parenting and role models. How might girl power take on new meaning for the women of tomorrow?

Emily Empel (@localrat) is a trend spotter, marketing disciple and corporate futurist. Winter Park, Florida, USA.

What Does the Future Hold for Next Generation Learners?

future sector: Sci/Tech

room: BC Ballroom Salon XI

Next generation learners increasingly use digital tools, games, apps, and devices. As their experiences become more technology mediated, their media preferences, social interactions, and expectations change. We now understand the importance of connecting stand-alone learning experiences so they become integral to one’s personal learning journey over time. This presentation introduces the notion of transmedia learning. Transmedia learning involves empowering learners through stories, media choices that connect real and persistent virtual spaces, social networks, personal assistants for learning, and self-paced, personalized learning pathways. This presentation will appeal to those with an interest in understanding research trends aimed at enhancing technology-mediated experiences for learners.

Participants will leave this session with an understanding of:
- Research trends in Human-Computer Interaction.
- 21st century research challenges facing education.
- Transmedia learning.

Advances in Neurological Rehabilitation

future sector: Sci/Tech

room: Nassau

Doctor and science-fiction writer Brad Aiken presents on new and upcoming technologies in neurological rehabilitation. Topics include breakthrough advances that can help people recover from stroke, brain injury, and spinal cord injury. Current, cutting-edge technologies will be discussed, as well as likely upcoming advances in this field.

The presentation will include discussion of the likely effects of these technologies on health care systems, American and worldwide.

Participants will leave this session with an understanding of:
- New technologies in rehabilitation from stroke, brain injuries, and spinal cord injuries.
- Current progress with rehab robotics, exoskeletal devices, and brain-computer interface tech.
- Likely future advances and effects of these technologies.

Elaine Raybourn is a principal member of the Technical Staff in Cognitive Systems at Sandia National Laboratories. Dr. Raybourn led the development of an award winning Government game and currently leads research on transmedia learning systems, distributed cognition, learner adaptability, and personalized assistants for learning (PAL). As an ERCIM (European Research Consortium in Informatics and Mathematics) Fellow. She is presently on assignment to the Advanced Distributed Learning Initiative. Orlando, Florida, USA.

An Age of Stagnation?

future sectors: Commerce, Governance

room: BC Ballroom Salon X

Much time and energy has been spent in an attempt to return the global economy to its pre-recession trajectory. What if it is not possible to return to business as usual? This session will examine the case against a return to business as usual. It will consider three elements—debt, technology, and demography—that argue that we have entered a sustained period of sluggish economic growth by posing three core questions:
- Will the rebalancing of the global economy undermine the ability of economies to restore prosperity quickly?
- Have the long term trends in innovation reached a moment of pause, to undermine future growth prospects?
- Are the demographic trends facing the world likely to act as a brake upon future economic growth?

If this view is correct, then it can help individuals, organizations, and governments to make better decisions about their futures.

Participants will leave this session with an understanding of:
- Why parts of the global economy appear to be in permanent recession.
- Why it may not be possible to find a quick solution to their predicament.

Jason Swanson is a research associate, European Futures Observatory, he is a member of the Association of Professional
Futurists (APF). Pittsburgh, Pennsylvania, USA.

Kate Burgess-MacIntosh, Lowell, Massachusetts, USA.

Laura Schlehuber, Friendswood, Texas, USA.

Conscious Evolution 2.0

future sectors: Humanity, Sci/Tech

room: Orange

In this presentation, Dr. Ted Chu—futurist, philosopher, and world-class macroeconomist—will be joined by famed visionary Barbara Marx Hubbard (an original founding board member of The World Future Society) to describe the imminent appearance of the evolutionary successors of humankind. Barbara has long identified this new species as the coming “co-creator” or “Homo Universalis.” Chu complements and extends her work in his acclaimed new book Human Purpose and Transhuman Potential by pointing to how radical advances in new technologies will eventually lead us toward what he describes as the “Cosmic Being” (or “CoBe”)—which he predicts will result from a collective global project of conscious evolution. They will show how this rapid evolutionary advance toward the new species is (1) partially triggered by world crises that cannot be resolved by doing more of the same, and (2) will be pulled forward by the three factors of new technology, economic necessity, and ideological clarity as these become better understood by our still young and barely self-aware universal species. Going beyond transhumanism toward a new category of synthesis of the highest of human values, Chu and Hubbard will present the new holistic approach to what they call “Conscious Evolution 2.0.” In particular they will offer the Wheel of Cocreations—a symbol of the synthesis and synergy of humanity’s emerging spiritual social and scientific technological potentials in every field, making visible the invisible—as well as advanced philosophic and economic arguments to explain the new era of evolution and ultrahumanism now arising in our midst.

Barbara Marx Hubbard is cofounder of the Foundation for Conscious Evolution, Evolutionary Leaders, and the Association for Global New Thought. She has written seven books, including Conscious Evolution: Awakening the Power of Our Social Potential (forthcoming from New World Library in January 2015). She was nominated for the Vice Presidency of the United States on the Democratic ticket in 1984; she proposed a Peace Room as sophisticated as a war room to scan for, map, connect, and communicate what is working in the world. Santa Barbara, California, USA.

Ted Chu has been chief economist for Abu Dhabi Investment Authority, one of the world’s largest sovereign wealth funds; and for General Motors. He is currently clinical professor of economics at New York University at Abu Dhabi, and has held positions as macroeconomist for the World Bank and Arthur D. Little. For the last 15 years, his second career has been conducting independent research on the philosophical question of humanity’s place in the universe, building on his lifelong interest in the frontiers of evolutionary progress. As part of these research efforts, he founded the nonprofit CoBe (Cosmic Being) Institute in Michigan and serves as a senior scholar at ChangCe, a Beijing-based independent think tank. Abu Dhabi, UAE.

SPECIAL EVENT

The Global Situation and Prospects

future sector: Earth

room: BC Ballroom Salon VII

How do we handle the world’s major challenges? This session will provide a framework to better understand global change and what is strategic for the future of civilization. Worldwide synergies and cross-impacts will be cited among sustainable development, climate change, water, demographics, democratization, ICT, development gaps, health and disease, global foresight and decision making, conflict and security, gender relations, organized crime, energy, S&T, global ethics, and education.

Participants will leave this session with an understanding of:
- A framework to understand global change.


SPECIAL EVENT

MTV Knowing Youth: 2020 Vision

future sector: Humanity

room: BC Ballroom Salon XII

In the new global project “MTV Knowing Youth: 2020 Vision,” MTV and Viacom explore young people’s outlooks on the world and their visions for the future—specifically the year 2020.

The project confirms the overall picture of Millennials’ attitudes and behaviors that have been emerging over recent years and specifically off
the back of Viacom’s global study “The Next Normal,” the largest study ever conducted on Millennials. “2020 Vision” expands on “The Next Normal” to look at young people’s opinions and predictions for the world as a whole, as well as their personal aspirations, and what this means for brands.

Christian Kurz is vice president, Research and Insights at Viacom International and specializes in understanding media audiences. New York, New York, USA.

Rob Bencini is an economic futurist and author from Greensboro, North Carolina, USA.

Clay Rawlings is an attorney and author from Houston, Texas, USA.

The doubling in computing power every two years that is the basis of Moore’s Law means more than new technologically-advanced products. There are deeper impacts that have affected the legal system, the economy, and society at large. And those impacts are only beginning to appear.

Rob Bencini and Clay Rawlings, two co-authors of the book Pardon the Disruption: The Future You Never Saw Coming, present their inside views to how rapidly advancing developments in technology have impacted the legal system and the economy in the U.S. Beyond that, they have evaluated the trends consistent with the impact of Moore’s Law on these two crucial areas and have projected a scenario with a dynamic effect on the American economy and, further, on the very execution of American governance. Their panel presentation will highlight specific changes to the legal system and economy, and project the future impacts on society and governance.

Societal Impact of Moore’s Law

Christian Kurz

Rob Bencini

Clay Rawlings

room: BC Ballroom Salon VII

The Technolife of Romeo and Juliet, in the Year 2035

The session goes through various interesting technologies that are emerging and that could have huge impacts in our society in the next 20 years. The writers also tell about the life of two loved ones: Romeo and Juliet in year 2035 in three scenarios: techno-dystopia, technology as norm, and hypertech world. The lecture is based on a book written by Elina and Kari Hiltunen titled Technolife 2035: How Technology Is Changing Our Lives (the book is currently in Finnish). The book includes rewritten stories of Romeo and Juliet in the future.

Elina Hiltunen is founder of What’s Next Consulting and a visiting professor at Aalto University, ARTS, teaching design thinking and open innovation and a board member of Journal of Future Studies. Espoo, Finland.

Kari Hiltunen is an author. Espoo, Finland.

What If Organizations Could Tell the Future?

room: BC Ballroom Salon XI

Organizations—like people—gain confidence and purpose when they know their own story—who they are, where they came from, and where they are going next. In this interactive session, participants will learn about and use the principles of storytelling as a strategic planning tool. Strategic narratives promise to be an increasingly important tool as organizations work in temporary partnerships and networks to achieve specific goals. Just as they will need legal frameworks and interoperable technology to work together, they will need a mutually identifiable story that explains each organization’s role and how they will interact to achieve their shared goals.

Participants will leave this session with an understanding of:

• How to apply principles of storytelling, such as plot, causality, and character, as ways to gain insight into the implicit and unstated understandings of organizations.
• Strategic Narrative as a tool for branding, marketing and outreach to new stakeholders.
• Strategic Narrative as a tool to create a strong working culture for collaborative projects across departments or organizations.

Amy Zalman has spent twenty years helping people and organizations uncover and develop their own best stories to guide
them into the future. Dr. Zalman is the founder of Strategic Narrative, and is Department of Defense Chair of Information Integration at the National War College. Washington, DC, USA.

**Corporate Crises of 2024**

**future sector:** Commerce

**room: BC Ballroom Salon XII**

Many corporate crises today can be categorized and anticipated: CEO misconduct, accounting scandals, high profile product failures, violations of health, safety and environmental laws, unethical labor practices, and cultural friction between a firm and wider society.

But what corporate crises can we anticipate in ten years?

Enjoy a fast-paced discussion of corporate crises of 2024, including expanded shareholder activism, automation and labor strife, generational conflict in the workforce, pension insolvency in an ageing society, control of intellectual property, the impact of radical transparency, water usage, conflict materials, alternative currency transactions, tax domiciling, and privacy and surveillance.

Participants will leave this session with an understanding of:

- A proposed new model based on Best Evidence Now (BEN) neosynthesis.
- An integration of this current effort in the healthcare space with concepts from Second Curve Systems (Merry MD and Bigda-Peyton), Communities Of The Future (COTF), complexity and chaos theory (emergence and adapting complex systems thinking), and Ecology principles.
- Pragmatic, actionable, and measurable tools and skill sets for assessing progress in this trillion dollar reinvestment shift.
- Access to all information and bibliographic materials with past presentations, references, and thinking leading to these 2014 concepts and proposed design.
- The “WHAT IF ......” handout containing 10 scenarios to spur additional creativity based on the general conference theme, applied to the healthspace.

**A Creative Re-Visioning of True Community-Based Healthcare Delivery: The Road to Wellbeingularity**

**future sector:** Sci/Tech

**room: Orange**

Worldwide, hospitals deliver sickness intervention, disease amelioration, and management, and prepare us to die from our maladies—not healthcare, not wellness. We need new models of delivery, a true health ecosystem—what this author has called a paradigm catapult. Co-creating such systematization demands the best of our human intelligence and insight (the scientific method, foundations established on the shoulders of our giants), machine and computer memory, storage and apps (the quantified self-movement), and effective ways to integrate and coordinate toward a holarchy of health, wellness, prevention, social, and emotional wellbeing: the “wellbeingularity,” to use a phrase coined by Vernor Vinge.

Participants will leave this session with an understanding of:

- Why new technologies may be our last best hope for environmental protection.
- The effects that current and future human activity will have on the environment.
- Ethical concerns that must be addressed in order to create a greener future.

**Brenda Cooper,** author of *The Creative Fire* and *The Silver Ship and the Sea,* is a futurist, conservationist, and the chief information officer of the City of Kirkland, Washington.

**Robert Moran** is a data-driven strategist and author working at the intersection of business, public policy and emerging consumer trends and attitudes. A Partner with the Brunswick Group, he is an internationally recognized speaker on industry futures, strategic foresight tools, public opinion, and market research. Fairfax, Virginia, USA.

**Frank Maletz** is a practicing orthopedic surgeon with 45 years in community healthcare based practice. East Lyme, Connecticut.
Get Ready for a Wall-to-Wall Reset

future sectors: Humanity, Sci/Tech

room: BC Ballroom Salon VIII

Every institution is facing a historic reset, and a perfect storm of massive trends is amplifying the sense of urgency. Physical and social infrastructure must be renewed or reinvented, along with how we think about and shape our future. In this session, Gary Marx explores the convergence of trends in demographics, economics, jobs, technology, identity and privacy, globalization, the environment, scarcity vs. abundance, authority, polarization, and ethics. He reveals findings and speculates on implications for people, their communities, and nations worldwide. Then, he calls on two noted panelists to join the fray, offering even deeper insights, before opening the session for questions and answers. In creating his latest book, Twenty-One Trends for the 21st Century…Out of the Trenches and into the Future, Marx appointed and sought advice from a distinguished international Futures Council 21.

Participants will leave this session with an understanding of:

- How a historic reset is impacting every institution.
- Why our physical and social infrastructure must be renewed or reinvented.
- A convergence or perfect storm of massive trends is amplifying a sense of urgency.

Gary Marx is an author, futurist, and the president of the Center for Public Outreach. Vienna, Virginia, USA.

Public Health 2030

future sector: Governance

room: BC Ballroom Salon VII

Public health in each city and county in the United States works to ensure the conditions for all to be healthy. Public health investigates disease outbreaks, fosters health promotion and health equity, and assures that health care is available. And it typically focuses on the most vulnerable in the community. There are several forces changing public health—what it does and how it operates. The effects of climate change on local communities, other types of emergencies, future infectious diseases and their surveillance, optimal approaches to health promotion for communities, the role of health care providers in enhancing population health, the state of health equity or fairness—these are among the topics considered in the scenarios. The Institute for Alternative Futures, with funding from the Robert Wood Johnson Foundation and the Kresge Foundation, has developed a national project developing Public Health 2030 Scenarios. This session will present those results.

Participants will leave this session with an understanding of:

- Key forces shaping public health.
- Images of public health from local health departments in Boston; Cuyahoga County, Ohio; and Fargo, North Dakota.
- National scenarios for public health 2030.
- Implications and recommendations for Public Health Agencies.

Gary Rowe is president of Rowe Media and former vice president for education for CNN/ Turner Broadcasting, to expand on learning technology. Rowe served as a member of Futures Council 21.

Clem Bezold is chairman and senior futurist, Institute for Alternative Futures, and recipient of the World Future Society’s Lifetime Achievement Award in 2011; member, Association of Professional Futurists. Alexandria, Virginia, USA.

Science and Technology Crises and the Future of Human Society

future sector: Sci/Tech

room: BC Ballroom Salon XI

This session is organized and presented by the WFS China Chapter. This year, the Chapter has chosen to focus on science and technology risks of causing ruinous damage to humanity and Earth. Professor Liu has put forward the concept of “ruin-causing knowledge” to gain attention and focus on these challenges. He will argue that today, the number and scale of potential catastrophes caused by ruinous uses of science and technology are very high and increasing. War, terrorism, corruption, greed, incompetence, and denial of risks all increase the potential for ruinous actions and inaction that will result in widespread damage and social disruption on regional and international scales. Unfortunately, our institutional capabilities to assess and manage technological are weak. Nevertheless, we relentlessly increase funding for all forms of science and technology and actively support its widest diffusion. Professor Liu is con-
What if Libraries Were Ubiquitous?

**future sector:** Futuring

**room:** Nassau

What if you could use any mobile device to query a live or virtual librarian who would synthesize and analyze information tailored to your unique needs? What if your customized information was available instantly with the precise resources to enable you to continue your project? Ubiquitous librarian scenarios will be presented based on the imaginations of graduate library and information science students who will spend a term exploring the concept of a ubiquitous library.

Participants will leave this session with an understanding of the possibilities of future information dissemination.

Susan Alman is on the Library and Information Science Faculty at San Jose State University where she teaches a futuring course on Exploring Future Technologies. Murrysville, Pennsylvania, USA.

**What if Libraries Were Ubiquitous?**

**future sector:** Futuring

**room:** Nassau

Singularity University: Team Projects to Positively Change the World

**future sectors:** Sci/Tech, Humanity

**room:** BC Ballroom Salon X

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.

The team projects prepared by the graduate students include the following areas: education, energy, health, poverty, security, and space. Each project is expected to take advantage of exponential technologies in order to positively improve the lives of one billion people during the next 10 years.

Singularity University is an 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.

Participants will leave the session with an understanding of:

- How the new wave of technological changes will radically transform humanity.
- The ideas discussed will help individuals to understand accelerating change in order to anticipate and influence the future.

José Cordeiro is founder of the WFS Venezuela Chapter and chair of the Venezuela Millennium Project. He is a faculty member of Singularity University, NASA. Caracas, Venezuela.

Susana Alman is on the Library and Information Science Faculty at San Jose State University where she teaches a futuring course on Exploring Future Technologies. Murrysville, Pennsylvania, USA.

**Keynote Luncheon**

An Artist-Inventor Sees The Future

**future sector:** Futuring

**room:** BC Ballroom Salon I

Some futurists think up alternate future scenarios while working with a group at a futures research think tank, while others work alone as artists and writers, brainstorming within their own minds. In an illustrated talk, artist-inventor Steven M. Johnson shares his secrets for coming up with numbingly dumb, humorous invention concepts, as well as prophetically-accurate depic-
tions of future technologies that were sometimes decades ahead. He discusses methods for “thought-spinning” and for maximizing the production of lateral ideas, by prolonging the time spent in generating lateral images. His most successful concepts have been created while in a half-sleep, or a hypnagogic state.

Participants will get an opportunity to laugh. They will enjoy seeing the many possible results when technologies and products are imagined to converge, mate, and share traits. They will sharpen their appreciation of techniques for directing their imagination to “evolve” technologies and systems.

Steven M. Johnson is a cartoonist-inventor, former urban planner, newspaper artist, and auto company future trends analyst. Carmichael, California, USA.

* Extra fee; registration required

2:00–3:00 p.m.

Breaking Down University Academic Silos

future sector: Commerce

room: BC Ballroom Salon X

This is an overview of “Creating New Products and Systems:” an experimental trans-disciplinary course among Colleges of Architecture, Engineering, and Business.

This course includes creativity sessions for generating ideas and business plans, followed by actual development of product prototypes, and will last a semester. Equal numbers of students from each college will be in groups of three to co-create new and exciting avenues for students to create the future. Full shop facilities, 3-D printers, CNC routers will be at each team’s disposal.

Participants will leave this session with an understanding of:

- Trans-disciplinary cooperation between different colleges within the university system.
- How different disciplines can contribute in teams to create and innovate new systems and products building off the participants strengths.

Jorge Vanegas is dean of the College of Architecture at Texas A&M University. College Station, Texas, USA.

Rodney Hill is a professor in the Department of Architecture at Texas A&M University. College Station, Texas, USA.

The Great Transition: Shifting From Fossil Fuels to Wind and Solar

future sector: Earth

room: BC Ballroom Salon XI

As oil insecurity deepens, the extraction risks of fossil fuels rise and concerns about climate instability cast a shadow over the future of coal, a new world energy economy is emerging. The old economy, fueled by oil, natural gas, and coal, is being replaced with one powered by wind, solar, and geothermal energy.

The Great Transition details the accelerating pace of this global energy revolution. As many countries become less enamored with coal and nuclear power, they are embracing an array of clean, renewable energies. Whereas solar energy projects were once small-scale, largely designed for residential use, energy investors are now building utility-scale solar projects. Strides are being made: Some of the huge wind farm complexes under construction in China will each produce as much electricity as several nuclear power plants, and an electrified transport system supplemented by the use of bicycles could reshape the way we think about mobility.

Lester R. Brown is founder and president of Earth Policy Institute, a non-profit environmental research organization. During a career that started with tomato farming, Brown has authored or coauthored over 50 books, which have appeared in some 40 languages. His recent book is entitled Breaking New Ground: A Personal History. He is a MacArthur Fellow and the recipient of many prizes and awards. In 1985 the Library of Congress requested his personal papers noting that his writings and work had “already strongly affected thinking about problems of world population and resources.” Washington, District of Columbia, USA.

Life Without Public Schools

future sectors: Humanity, Futuring

room: Orange

Demographic, technological, and sociological changes challenge the continuing viability of public schools. Among the most influential trends are:

- Increasing costs of operating public schools in light of pressures to reduce governmental spending,
- Growing numbers of the elderly,
- New age accountability,
- Rise of charter, private, and online schools,
- Dismal view of public schools held by the public, and
- Controversy over purpose and function.

What if there were no public schools? Participants will leave with an understanding of:

- The current status of public schools.
- The unexpected consequences of current trends.
- Potential outcomes for public schools over the next fifty years.
Reconstituting a Middle Class

future sectors: Commerce, Humanity

room: BC Ballroom Salon XII

In 2012 and 2013, two Communities of the Future (COTF) panels introduced the concept of the emergence of a Creative Molecular Economy (CME) at the WFS conference. New ideas such as a Future Forward Workforce, Leadership for an Emerging New Economy and Building Interlocking Entrepreneurial Networks were introduced. This session continues to introduce new practical practices for a CME to include a 21st-century system of venture capital and how to create regional centers able to build capacities for a CME.

Participants will leave this session with an understanding of:
• Why developing a Creative Molecular Economy is important to a constantly changing society.
• How establishing interlocking networks of 21st-century entrepreneurs will be important to revitalizing a middle class in the United States.
• How to utilize the theory and practice of “complex adaptive systems” to create an environment in support of a Creative Molecular Economy.

Jim Damicis is senior vice president, Camoin Associates. Portland, Maine, USA.

Terra Nova: The Religious Quest for Tomorrow

future sectors: Futuring

room: BC Ballroom Salon VIII

Whether it is Teilhard de Chardin’s “omega point,” Barbara Marx Hubbard’s “conscious evolution,” Ken Wilber’s “integral theory,” Ziauddin Sardar’s “Islamic science” or Pope Francis’ exhortation to simplicity, the religious imagination continues to reframe our quest toward transformation and tomorrow. This panel will share how the spiritual quest for “terra nova” is expressed in their own futures work ranging from transmedia in Hollywood entertainment, to a “Voxtropolis” mashup in Motown with rap and social entrepreneurs, to a journal that ponders how the spirituality of science fiction is creating a post-terrestrial age.

Participants will leave this session with an understanding of:
• How spiritual communities of practice create new content through storytelling.
• How foresight is often embedded in a spiritual quest for a post-terrestrial world.
• How futurists can look ahead, not just behind, in building faith communities.

Jay Gary is a program director of Regent University’s Master in Strategic Foresight, and senior associate with the World Network of Religious Futurists. Virginia Beach, Virginia, USA.

Lane Jennings, journalist, script writer, and translator, is the managing editor of World Future Review. Baltimore, Maryland, USA.

What If the Future Needs Us?

future sectors: Futuring, Sci/Tech

room: BC Ballroom Salon VII

“What the future doesn’t need us,” Bill Joy said in his famous 2001 WIRED article. He warned us of the threats posed by advanced technologies and suggested we should slow down their advancement. Many today agree with Joy. The evolution of our knowledge about nature and the evolution of nature itself have come to a historic crossroads, others claim. It took billions of years for nature to produce a life of super computers and show it on the screens of iPads and smart phones. With digital technology, an astonishing transformation is taking place right in front of our eyes. Since the Big Bang, nature has been the sole creator of the future. Until humans came along and unraveled
nature’s tricks, enough so to take away its monopoly, and bring us to the most important crossroads in the history of our universe.

In the past, the physical reality was the original; our knowledge the derivative. Digital technology is forging a reversal of this fourteen billion year-old process. Atoms and bits have now become twins. In the future, therefore, the digital rendition of our knowledge is the original, and the physical reality the derivative. That changes everything and, pretty soon, everybody.

The future we expect is dying. A new one is being born. We are its parents. This is not just a new and fancy metaphor. It is the naked truth already. For Joy, this very thought was a source of concern. For others, as the handyman of human knowledge, digital technology represents the richest source of hope we ever had—the only source of hope. Its application may make a human future possible after all. Without it, a future with us in it, and a planet with us on it, is simply not possible. Let’s talk. Which side are you on? Isn’t our answer to this question a matter of life or death for a human future? A panel of thought leaders will kick off the debate, moderated by Jan Amkreutz, author of “Digital Spirit” and “Rencontre in Eden.”


Linda Groff is director, Global Options/Evolutionary Futures; Professor, California State University. Playadel Rey, California, USA.

Fabienne Goux-Baudiment is president of Société Française de Prospective, member of the Association of professional Futurists (APF). Paris, France.

Marci Segal (@marcisegal) is president of creativityland inc and founder of World Creativity and Innovation Week April 15-21. A creativity expert since 1984, Marci consults, speaks about and helps executive leadership teams leverage creativity styles, methods, processes, and environments to free thinking and to create new futures. Toronto, Ontario, Canada.

Stacey Childress is incoming CEO of NewSchools Venture Fund. She is the former deputy director of education for the Bill & Melinda Gates Foundation and a former Harvard Business School faculty member. Oakland, California, USA.

3:30–5:00 p.m.

Closing Plenary

Learners Take Charge: Education in the Next 50 Years

room: BC Ballroom Salon I

Today's young people are the most connected generation in history. More than ever, technology allows them to explore possible futures for themselves and their communities, and to access the knowledge and skills they need to convert those possibilities into realities. In fact, most young people have nearly unlimited access to information, tools, and expertise that can help them create and manage their own learning paths. But a number of tensions exist in the midst of this dynamism:

Even as learners’ individual agency and options are expanding, governments are increasing efforts to implement standards and technocratic education reforms.

Technology in the hands of learners around the world does indeed open new vistas, but uneven access threatens to exacerbate longstanding inequities.

Private sector innovation is challenging traditional notions of schooling, but its incentives are sometimes misaligned with the interests of learners.

How will these tensions play out over time? Will the most connected generation in history be able to make the most of the opportunity to take charge of their own learning?

Please bring something to write with/on, be prepared to share your insights and come with an open mind, ready to learn.

Participants will leave this session with an understanding of:

• Their new connections, ideas and feelings as a result of participating in WorldFuture 2014.
• The power of curiosity to advance “what if...” thinking with colleagues and clients.

What if you could return from the conference with a thumbnail outline for your next project, meeting, blog post, or book?

The purpose of this session is for you to highlight your conference takeaways and translate your key insights into potential actions. Through guided reflection and in dialogue with others you will process your experience at WFS 2014 to create new ideas, make new decisions and plan new actions to affect your practice and profession.

What If... Taking It Home

future sector: Futuring room: Nassau

What if you could return from the conference with a thumbnail outline for your next project, meeting, blog post, or book?

The purpose of this session is for you to highlight your conference takeaways and translate your key insights into potential actions. Through guided reflection and in dialogue with others you will process your experience at WFS 2014 to create new ideas, make new decisions and plan new actions to affect your practice and profession.

Please bring something to write with/on, be prepared to share your insights and come with an open mind, ready to learn.

Participants will leave this session with an understanding of:

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• The power of curiosity to advance “what if...” thinking with colleagues and clients.
MONDAY

Monday, July 14, 2014

8:30 a.m.-3:30 p.m.
Professional Members Forum
The Futures Community: Making the Long Term Matter
room: Orange

This year’s Forum will continue our work on enhancing the capabilities of the futures community. As recommended at last year’s Forum, this year we are addressing two capabilities that determine our effectiveness in accomplishing what Paul Saffo will argue for in the opening of this conference: to “make the long term matter.”

First, how we address time and temporality in our work, especially the very long view of world futures, but also in shorter-term structural changes. Fabienne Goux-Baudiment, who advanced this topic for our agenda, will deliver the charge for our work.

Second, visualization and communications capabilities needed to make our work accessible and useful to everyone, across languages, media, sectors, and generations. Robert Moran, who advocates and practices these critical capabilities in foresight, will make this charge.

We will spend about 90 minutes on each topic—about 10 minutes for the introductory charge, 60 minutes of group work, and 20 minutes of reporting.

Drawing upon our work in the 2012 and 2013 Forums and the morning sessions, we will work on proposals for the 50th anniversary of the World Future Society in 2016—projects and activities for mapping our own future for actions to enhance our capabilities and performance, including volunteering to help make things happen.

We will post materials for your review in advance on the WFS web site. This will include: reports on the 2012 and 2013 Forums, which built the foundation for this year’s challenges; selected papers by this year’s Forum participants who will provide the introduction; and other relevant materials.

The agenda for the day:

8:30 a.m.—Welcome and arrangements for the day by Kenneth Hunter, WFS Board Chair, and Timothy Mack, WFS President

8:40 a.m.—Opening remarks. Paul Saffo, who explores the dynamics of large-scale, long-term change, is Managing Director of Foresight at Discern Analytics, a visiting scholar in the Stanford Media X research network, and a member of the World Future Society Global Advisory Council. Paul is delivering the opening address for the WFS 2014 conference (see page 11).

9:00 a.m.—Working session on Time and Temporality
Charge by Fabienne Goux-Baudiment, who is founder and head of proGective, a firm dedicated to futures research (www.progective.com/en/progective), and a leading member of the futures community and its associations.

Lead facilitators: Ken Hunter and Nancy Donovan

10:30 a.m.—Break

10:45 a.m.—Working session on Visualization and Communications
Charge by Robert Moran, who is a partner, Brunswick Group, leading their insight and strategic foresight functions, and is a member of the World Future Society Board of Directors.

Lead facilitators: Tim Mack and Lea Artis

12:15 p.m.—Buffet lunch

1:00 p.m.—Working session on Proposals for the 50th Anniversary of the World Future Society in 2016.
We want to both reflect on our accomplishments and shortfalls of the past 50 years and launch new initiatives that will shape the next 50 years of futuring and foresight. The results of this working session will be used by WFS Board members, officers and staff as they shape the 50th Anniversary activities starting immediately after this conference.

We will start with a 15-minute charge by a WFS board member followed by a 60-minute small group working session, a 15 minute break, and 30 minutes for reporting and discussion.

Lead facilitators: Joyce Gioia, Eric Meade and Mylena Pierremont

3:00 p.m.—Open discussion, including additional ideas and further volunteering

3:30 p.m.—Adjourn

Note: The Forum is open (for a fee of $115) to Professional Members of the World Future Society. Join or upgrade your membership now to qualify for the Forum.
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Career Counseling
Individuals considering a career change or who need help getting the most out of their present position are invited to sign up for a private session with a future-oriented career expert during WorldFuture 2014.
This free career service, offered for the last two decades, is coordinated by Helen Harkness, PhD, founder of Career Design Associates Inc.

Future Problem Solving Program International, Inc.
Founded by creativity pioneer, Dr. E. Paul Torrance, Future Problem Solving Program International (FPSPI) stimulates critical and creative thinking skills, encourages students to develop a vision for the future, and prepares students for leadership roles. FPSPI engages students in creative problem solving within the curriculum and provides competitive opportunities. Future Problem Solving Program International involves thousands of students annually from Australia, Canada, Great Britain, Hong Kong, Japan, Korea, Malaysia, New Zealand, Portugal, Russia, Singapore, and the United States. In 2011 Turkey and India were welcomed as new mentored areas. www.fpspi.org

Intelliquest Media
Audio recordings of all the conference sessions. www.intelliquestmedia.com

Public Sector Foresight Network
PSFN provides those involved in foresight for public sector organizations the opportunity to share their aspirations, work, methods, experiences, and results. PSFN has grown from meetings at recent World Future Society Annual Conferences organized by Nancy Donovan of the U.S. Government Accountability Office, with Clem Bezold of the Institute for Alternative Futures. Attendees have included representatives of U.S. federal, state and local governments, and representatives from Canada, Australia, the Netherlands, Finland, New Zealand, China, Korea, and other countries as well as the UN, NATO, academia, and the consulting world. Issues discussed include how to best network, provide information on foresight methods, and sustain foresight activities.

Technology Futures, Inc.
Technology Futures provides top quality custom studies and technology forecasts on key trends to a wide variety of commercial, government, and academic organizations. Sponsor of MiniTrends 2014: Insight, Innovation & Strategy, September 26, 2014, Austin, Texas, USA. www.tfi.com

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### WorldFuture 2014: The Annual Conference of the World Future Society

**July 11-13, 2014 • Hilton Orlando Bonnet Creek • Orlando, Florida, U.S.A.**

Yes! I want to meet, exchange ideas with, and learn from my futurist colleagues. Please reserve my place at the World Future Society’s WorldFuture 2014. I understand registration includes admission to all sessions, the welcome reception, entrance to exhibits, and a list of pre-registrants. And if for any reason I am unable to attend, I may cancel and receive a full refund until June 13, 2014.

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<tr>
<td>Registration $900</td>
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<td>Member’s Rate $795</td>
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<td>Senior Citizen 65 or older / Citizen of a developing nation $740</td>
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<td>Full-time student under the age of 25 $175</td>
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2-day Luncheon Package (with speakers) — $124

Single Luncheons — $69 Select one: □ Saturday (Charlie Stross) □ Sunday (Steven Johnson)

Professional Members Forum (Monday, July 14) — $115 (for Professional Members)

Professional Membership — $295 ($195 nonprofit/academic rate) □ Renewal □ New (Join now to qualify for the Forum.)

World Future Society membership — $79 ($20 for full-time students under the age of 25)

□ Renewal □ New (Join now and take advantage of the members’ rate.)

**Preconference Master Courses**

**Thursday, July 10, 2014, 9:00 a.m.–5:00 p.m.**
- □ C-1 Futuring: Introduction to Futures Studies (Peter C. Bishop)—$249
- □ C-2 Foresight Educators Boot Camp (Jay Gary)—$249
- □ C-3 Wiser Futures: Using Futures Tools to Better Understand and Create the Future (Clement Bezold)—$249
- □ C-4 Fierce Foresight: Creating Tomorrow Out of the Changing of Today (Michael Petty)—$249
- □ C-5 MiniTrends and Macro-Change: Turbo-Changing Your Future (David Pearce Snyder, John Vanston, and Carrie Vanston)—$249
- □ C-6 Science Fiction: The Mythology of the Future (Tom Lombardo)—$249

**Friday, July 11, 2014, 9:00 a.m.–5:00 p.m.**
- □ C-7 Wicked Opportunities: A Foresight and Innovation Workshop (Frank Spencer and Yvette Montero Salvatico)—$249
- □ C-8 How to Stratify Your Scenario (Madeline Ashby)—$249
- □ C-9 Understanding 3-D Printing and Supporting Technologies for Futurists 2.0 (Paul Tinari)—$249
- □ C-10 Creating a “What If” Imaginarium (Marc Segal, Megan Mitchell, and Tom McMillan)—$249
- □ C-11 Futurist Writers Workshop: Futurism and Science-Fiction Synergy (Cynthia G. Wagner, Patrick Tucker, and Brenda Cooper)—$249
- □ C-1 How to Invent the Future (Steven M. Johnson)—$79

### Method of Payment

- Check or money order enclosed. (Payable to World Future Society.)
- Please charge my: □ MasterCard □ VISA □ Discover □ Am. Ex.

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Hotel reservation forms will be sent with the acknowledgment of registration, or you can call the hotel directly at 1-888-353-2013. Mention that you’re attending the WFS meeting to receive your special rate of $149 USD (single or double) per night, or use the reservation code ZWOF.

**REFUND POLICY:** If your plans to attend the conference change, you may receive a full refund until June 13, 2014. A $100 administrative fee will be charged for cancellations after June 13, 2014. No refunds will be given after June 27, 2014. Refund requests must be in writing by email, mail, or fax. Substitutions may be made at any time and are free until June 13, 2014. Substitutions are $100 after June 13, 2014.
Announcing

WorldFuture 2015

The annual conference of the World Future Society, to be held in San Francisco, California, July 24-26, 2015


As a city that has perpetually reinvented itself—sometimes by necessity, but often by sheer will to improve—San Francisco has been called the innovation capital of the world. That makes it the perfect setting to explore the outer edges of our foresight capabilities.

Speakers, topics, events and special events forthcoming soon.

**When:** July 24-26, 2015.

**Where:** Hilton San Francisco Union Square, 333 O'Farrell Street, San Francisco, California, 94102 USA

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**About the Venue:** The Hilton San Francisco Union Square Hotel is a landmark in and of itself, but it also offers stunning views of San Francisco and easy access to Bay Area attractions—Ghirardelli Square, Aquarium of the Bay, California Academy of Sciences, Pier 39, and the iconic Coit Tower.

The Hilton—your home for the conference—offers superb amenities, including a rooftop pool, fitness center, and concierge service for planning your visit before or after WorldFuture 2015. The hotel also has Zipcars available for your convenience. Come early and stay late to get the most out of your San Francisco futures experience!