



TECHONOMY 2014

Sunday, November 9 – Tuesday, November 11, 2014

The Ritz-Carlton, Half Moon Bay, California

Final Agenda as of November 14, 2014

SUNDAY, NOVEMBER 9:

- 10:00am** **Registration Opens**
- 12:30 – 3:00pm** **Activities**
Purissima Creek Redwood Preserve Hike hosted by Castlight Health; Coastal Bike Ride with Olympians hosted by Glo Science, SHO-AIR International and TWENTY16; and Golf Clinic on the Old Course at Half Moon Bay
- 4:00 – 4:10pm** **Welcome to TE14**
David Kirkpatrick, Chief Technomist, Techonomy Media
- 4:10 – 4:35pm** **Fusion**
Bringing together great ideas and pressing concerns to fuel TE14 and power its conversations. A troop of Technomists ignite our discussions.
- 4:35 – 5:05pm** **Two Friends on Innovation, Obstacles and Future Revolutions**
*A Conversation with **Reid Hoffman**, Co-founder & Executive Chairman, LinkedIn; Partner, Greylock Partners; and **Peter Thiel**, Investor & Entrepreneur, Thiel Capital*
- Interviewer: **David Kirkpatrick**, Chief Technomist, Techonomy Media*
- 5:05 – 5:45pm** **The Next Revolution Will Be Biologized**
Innovation in biology is accelerating at a rate that makes Moore's Law look leisurely, throwing open doors to opportunities unimaginable. From food to fuel, manufacturing to medicine, business to buildings, what do the visionaries see just beyond the horizon?
- Speakers: **Drew Endy**, Associate Professor, Bioengineering, Stanford University
Brian Frezza, Co-founder and Co-CEO, Emerald Therapeutics
Nancy Kelley, President and CEO, Nancy J. Kelley Associates; Former Founding Executive Director, New York Genome Center
Floyd Romesberg, Associate Professor, Chemistry, The Scripps Research Institute*
- Moderator: **Marcus Wohlsen**, Staff Writer, WIRED*
- 5:45 – 5:50pm** **180° Shifts**
180 seconds to turn 180 degrees. Reimagine. Reconsider. Rethink.
- "The Science of Diversity"** – **Laura Mather**, Founder and CEO, Unitive
"(bio)Hacking Startups" – **Ryan Bethencourt**, Co-founder and CEO, Berkeley Biolabs
- 5:50 – 6:10pm** **A Conversation with Patrick Collison**, Co-founder and CEO, Stripe
Remaking online payments.
*Interviewer: **David Kirkpatrick**, Chief Technomist, Techonomy Media*
- 6:15 – 7:00pm** **Reception** *hosted by Ericsson*
- 7:15 – 8:30pm** **Dinner** *hosted by EMC*
- 8:45pm** **Can Tech Bring Equality and Peace?**
Some talk as if a digital utopia is within our grasp, but could tech in fact be widening the gulf between rich and poor? It's impossible not to worry about growing global discord. Will tech bring us together, or drive us further apart?



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Speakers: **Genevieve Bell**, Vice President and Intel Fellow, Intel Labs; Director, User Experience Research, Intel Corporation

Jack Dorsey, CEO, Square; Chairman, Twitter

David Miliband, President and CEO, International Rescue Committee

Nandan Nilekani, Former Chairman, Unique Identification Authority of India

Moderator: **James Surowiecki**, Staff Writer, *The New Yorker*, and author, *The Wisdom of Crowds*

MONDAY, NOVEMBER 10:

7:00am

Registration Opens

7:00 – 8:00am

Activities

Sunrise Yoga hosted by Castlight Health, and Coastal Bike Ride

7:00 – 8:15am

General Breakfast

Breakfast Session

A Scrum on the Future of Media

The future of media remains one of the world's biggest ciphers. Join industry leaders to discuss the who, what, where, when, why and how at the intersection of media, tech, users and business.

Referee: **Michael Wolf**, Co-founder and Managing Director, ACTIVATE

8:30 – 8:35am

Welcome

David Kirkpatrick, Chief Technomist, Technomy Media

8:35 – 9:10am

A Future Without Industries

Tech and the Internet blur borders between industries. Meanwhile, connectedness is accelerating globalization. We're redefining what a company does and where it is. What does the new borderless world of business mean for incumbents, and for the next generation corporation?

Speakers: **Giovanni Colella**, CEO and Co-founder, Castlight Health

Scott Cook, Founder and Chairman of the Executive Committee, Intuit

Ray Ozzie, Inventor, Talko

Moderator: **Eric Kutcher**, Managing Director, U.S. Western Region, McKinsey & Company

9:10 – 9:15am

180° Shifts

180 seconds to turn 180 degrees. Reimagine. Reconsider. Rethink.

“Infrastructure on a Roll” – Curren Krasnoff, Founder and CEO, Cortex Composites

“When Local Means Your Kitchen” – Gabe Blanchet, Co-founder and CEO, Grove Labs

9:15 – 9:30am

A Conversation with Fadi Chehadé, President and CEO, ICANN

As threats to the Internet grow, ICANN fights to protect it.

Interviewer: **Barton Gellman**, Senior Fellow, Author and Journalist, The Century Foundation

9:30 – 10:05am

Rethinking International Development: Big Ideas from the Invention Generation

How is Africa's youthful population preparing to write a chapter in the history of development through game changing inventions? Where do they find inspiration? Join a remarkable conversation with three innovators from across Africa.



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Speakers: **Bonolo Matjila**, Co-founder, Spiruteens
Leroy Mwasaru, Founder, Human Waste Bioreactor
David Sengeh, President and Co-founder, Global Minimum

Moderator: **Kate Krontiris**, Fellow, Berkman Center for Internet and Society

10:05 – 10:15am

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“Rare Unlocks the Common” – **Matt Wilsey**, President, Grace Wilsey Foundation

“Mapping the Policy Genome” – **Marci Harris**, CEO, POPVOX

10:15 – 10:40am

The Federation: Tactical Evolution or Management Revolution?

EMC's three component bosses appear on a public stage together for the first time. What does a “federation” mean, for EMC and its customers? The clamor for dissolution is growing; what’s the argument to stay together? How are the needs of enterprises changing as tech, the Net and cloud computing keep evolving at breakneck speed?

Speakers: **Pat Gelsinger**, CEO, VMware
David Goulden, CEO, EMC Information Infrastructure
Paul Maritz, CEO, Pivotal Software

Moderator: **David Kirkpatrick**, Chief Technologist, Techonomy Media

10:40 – 11:00am

BREAK

11am – 12pm

TECHONOMY LABS

• Faith in Data or Faith in the Crowd?

Will companies drive us forward with data? Or will the crowd drive us forward with values? Data and the crowd, can these two most modern of memes find a way to align themselves for the betterment of both business and society? Do they compliment or compete?

Speakers: **Walter De Brouwer**, Founder and CEO, Scanadu
Adam Kocoloski, Distinguished Engineer and CTO of Information Management, IBM
Balaji Prabhakar, Chief Scientist and Co-founder, Urban Engines
Yan Qu, Vice President of Data Science, ShareThis
James Surowiecki, Author, *The Wisdom of Crowds*

Moderator: **Dave Morgan**, CEO, Simulmedia

• Civil Defense Against Data Assaults

Admiral Mike McConnell, former director of national intelligence, says a catastrophic data breach is probably inevitable. Power grids, air traffic control, water treatment, personal and corporate finance: all are data dependent and all are vulnerable. So how do we prioritize where to start? And how do we shift the needle from “inevitable” to “preventable?”

Speakers: **Michelle Finneran Dennedy**, VP, Chief Privacy Officer, McAfee
Jeremiah Grossman, Founder and Interim CEO, WhiteHat Security
Amit Mital, Chief Technology Officer, Symantec
Erin Nealy Cox, Executive Managing Director, Stroz Friedberg
Todd Simpson, Chief Strategy Officer, AVG Technologies

Moderator: **Laura Mather**, Founder and CEO, Unitive



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• **How Good Can Technology Make Our Governments & Communities?**

Over the past 10 years or so, a field has emerged to promote greater civic engagement through the use of technology. The effort involves civic technologists, government officials, funders, advocates, journalists and others, and it has emerged to address two important phenomena in the U.S.: 1) ever decreasing engagement in civic life, and 2) ever increasing power of technology to connect people for collective action.

Speakers: **Marci Harris**, CEO, POPVOX

Jerry Paffendorf, CEO, LOVELAND Technologies

Kathryn Peters, Co-founder and COO, Democracy Works

Matt Stempeck, Director of Civic Technology, Microsoft New York

Facilitator: **Kate Krontiris**, Fellow, Berkman Center for Internet and Society

• **Navigating China's Internet Maze**

China's Internet and e-commerce economy is becoming one of the most important elements in the global economy. The recent IPO of Alibaba, the global ambitions of Tencent, the rampant M&A activity inside China, and the continued fertile landscape of domestic Chinese network innovation are critical for business and government leaders to understand.

Speakers: **Mikolaj Jan Piskorski**, Professor of Strategy and Innovation, IMD Business School

Gary Rieschel, Founder, Qiming Venture Partners

Moderator: **Zachary Karabell**, Head of Global Strategy, Envestnet; President, River Twice Capital Advisors

• **Mobile Omnipotence: How the New Nomads Challenge Business and Reshape Society**

Our entire economy must now be redesigned to take into account the reality that people are carrying connected computers with them wherever they go. What are the next industries to be impacted as our mobile obsession continues to change behaviors of consumers and users?

Speakers: **Hans Peter Brøndmo**, VP, Head of Everyday Adventure, HERE, a Nokia Business

Ilya Fushman, Head of Product, Dropbox

David Helgason, Founder, Unity Technologies

Jack Krawczyk, Head of Product Management, Pandora Media

Moderator: **Tom Gardner**, Co-founder and CEO, The Motley Fool

12:00 – 12:15pm **Switch Break**

12:15 – 1:15pm **Lunch** *hosted by Ford*

1:15 – 1:30pm **Switch Break**

1:30 – 2:30pm **Techonomy Labs**

• **Will Every Industry Have its Tesla?**

An increasing number of companies refuse to follow the rules. Tesla is no longer just a car company; it's a transportation, fuel and energy-storage company. Companies must embrace the foundational change being driven by tech every day. What must business leaders do to be the disruptors rather than the disrupted?

Speakers: **Ali Diab**, Co-founder and CEO, Collective Health

Dane Howard, Director, Global Brand Experience, eBay

Scott Sanborn, Chief Operations Officer, LendingClub



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Jake Seid, President, Auction.com

Moderator: **Dan Elron**, Managing Partner, Strategy and Corporate Development, Accenture

• **The New Geology of Intelligence: Self-Instruction and the Library of the Future**

When the Ubertnet gives us universal access to all human knowledge and we see the world through multiple data layers, will myth, ignorance and conspiracy theory recede? When all the world is a library, who guides you through the stacks?

Speakers: **José-Marie Griffiths**, VP, Academic Affairs, Bryant University

Richard Levin, CEO, Coursera

Ijad Madisch, Co-founder and CEO, ResearchGate

Tony Marx, President, The New York Public Library

Rohini Nilekani, Chairperson, Arghyam

Moderator: **David Callaway**, Editor-in-Chief, *USA TODAY*

• **Things United on a Global Platform: The New Distributed Intelligence**

How do you program a fully intelligent world? As intelligence pervades every corner of our lives and the programmable world becomes reality, the resulting web of connectivity emerges as a truly global platform. How are companies building new businesses that take advantage of this fundamental new facility?

Speakers: **Prith Banerjee**, Managing Director of Global Technology R&D, Accenture

Kelly Liang, Senior Vice President of Business Development, SmartThings

Charles Meyers, Chief Operating Officer, Equinix

Moderator: **Zachary Karabell**, Head of Global Strategy, Envestnet; President, River Twice Capital Advisors

• **Confronting the Internet Counter-Reaction**

Erdogan turns off Twitter and YouTube. Putin seizes Russia's biggest social network Vkontakte. Europe considers restrictive privacy laws. And with continuing revelations of U.S. government misdeeds flowing from Edward Snowden's trove, who will replace the U.S. as the credible guardian of openness? What would a balkanized Net mean for the global economy?

Speakers: **Barton Gellman**, Senior Fellow, The Century Foundation

David Gorodyansky, Co-founder and CEO, AnchorFree

Theresa Swinehart, Senior Advisor to the President on Global Strategy, ICANN

Constantijn Van Oranje-Nassau, Head of Cabinet, Cabinet of Vice President Neelie Kroes, European Commission

Karl-Theodor zu Guttenberg, Former Defense Minister of Germany; Chairman and Founder, Spitzberg Partners

Moderator: **Andrew Keen**, Author, *The Internet is Not the Answer*

• **Innovating Our Selves**

In 1995 Bill Gates wrote in *The Road Ahead* that we will all eventually have chips implanted in our brains. Grinders, postmortals and transhumanists are now well on their way as we move from wearables to implantables. How will augmented humans interact with digitized corporations? And where does humanity fit in a posthuman world?

Speakers: **Eri Gentry**, Technology Horizons Research Manager, Institute for the Future; Co-founder and President, BioCurious

Carlos Olguin, Head of Bio/Nano/Programmable Matter Group, Autodesk Research



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Drew Purves, Head, Computational Ecology and Environmental Science, Microsoft Research

Moderator: Marcus Wohlsen, Staff Writer, *WIRED*

2:30 – 2:45pm

Switch Break

2:45 – 2:55pm

Welcome Back

David Kirkpatrick, Chief Technomist, Techonomy

2:55 – 3:05pm

From Genius to Table: Organic Innovation

With Michael Fertik, Expert on Femto-Management (also CEO of Reputation.com)

3:05 – 3:45pm

Preemptive Innovation

Innovation is happening faster because it's getting better organized. Incubators of all stripes are sprouting all over the world. Large corporations are spinning in talent and building internal startup labs. Leaders know they can't just wait around for inspiration to strike, they have to seek it out or grow it themselves.

Speakers: Bill Gross, Founder and CEO, Idealab

Deborah C. Hopkins, Chief Innovation Officer, Citi; CEO, Citi Ventures

Guy Wollaert, SVP, Chief Technical and Innovation Officer, The CocaCola Company

Moderator: Michael Chui, Partner, McKinsey Global Institute, McKinsey & Company

3:45 – 3:50pm

180° Shifts

180 seconds to turn 180 degrees. Reimagine. Reconsider. Rethink.

"The End of Reality as You Know It" – **Andy Lowery**, President, DAQRI

"What Really Drove the Green Revolution" - **Drew Purves**, Head, Computational Ecology and Environmental Science, Microsoft Research

3:50 – 4:20pm

Just Make It: The Evolution of Manufacturing

Trends in openness, access to technology and an expansion of new resource channels combined with a burgeoning hacker mentality mean doors are starting to open to an industry long closed off to startups. What does the future of making things look like as the hardware changes and software evolves? What is the new infrastructure of manufacturing?

Carl Bass, President and CEO, Autodesk

Interviewed by David Kirkpatrick, Chief Technomist, Techonomy Media

Joined by: Liam Casey, Founder and CEO, PCH

Marleen Vogelaar, Co-founder and Former COO/CFO and CSO, Shapeways

4:20 – 4:25pm

180° Shifts

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"Connect, Collaborate, Close the Skills Gap" – **Jacqueline Jones**, Executive Director, Strategy Partnerships and Innovation, Kaplan Higher Education Group

"How to Fix U.S. Politics" – **David Burstein**, Founder and CEO, Run for America

4:25 – 4:45pm

A Conversation with Jeff Weiner, CEO, LinkedIn

The future of connection, compassion and the corporation.

Interviewer: David Kirkpatrick, Chief Technomist, Techonomy Media

4:45 – 5:30pm

How to Meet the World's Grand Challenges



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The best opportunities will come from creating the greatest impact on the biggest realms of human activity, like healthcare, food, water, energy, and education. How can businesses rise to the occasion and focus on the things that really matter? How can they best partner with governments and NGOs to implement the solutions?

Speakers: **Larry Brilliant**, Senior Advisor, Skoll Global Threats Fund

Geno Germano, Group President, Global Innovative Pharma Business, Pfizer

Leila Janah, Founder and CEO, Sama Group

Rima Qureshi, Senior Vice President, Chief Strategy Officer, Head of M&A, Ericsson

Moderator: **Matthew Bishop**, Globalisation Editor, *The Economist*

5:30 – 6:15pm

Break

6:15 – 7:00pm

Reception

7:15 – 8:30pm

Dinner *hosted by Citi Ventures*

8:45pm

Evening Program

A conversation with and live musical performance by **Joe King** and **Isaac Slade** of The Fray
MC: Jon Healey, Editorial Writer and Blogger, *Los Angeles Times*

TUESDAY, NOVEMBER 11:

7:00 – 8:00am

Activity

Sunrise Yoga hosted by Castlight Health

7:30 – 8:45am

General Breakfast

Breakfast Sessions

Information Generation

Hosted by the Institute for the Future and EMC

Today, information is *the* business catalyst—failure to focus means second-tier status. The rise of new technologies is fundamentally changing the way we live, transforming consumer expectations and behaviors that in turn compel businesses—from medicine and education, to utilities and manufacturing—to redefine themselves in order to survive. What are the essential drivers that keep businesses relevant, notable and profitable in the Information Generation?

Facilitators: **Mike Liebhold**, Distinguished Fellow, Institute for the Future

Rachel Maguire, Research Director, Health Horizons Program, Institute for the Future

Internet Governance: Of, By and For the World?

In association with the World Economic Forum

Virtually all businesses are dependent upon the Internet, but current policies have not been designed to regulate and protect the vast amounts of processes and information that circulate there. As a result, many stakeholders are calling for new norms to find consensus among the myriad legal, political and business considerations. To continue to reap value from the Internet, a robust Internet-governance ecosystem is required across industries and countries.

The results of these discussions will feed into the high-level session at the Annual Meeting 2015.

Facilitators: **Nora Abusitta**, VP, Public Responsibility Programs, ICANN

Prith Banerjee, Managing Director of Global Technology R&D, Accenture

Elena Kvochko, Cyber Resilience Partnership Lead; Manager, IT and Telecommunications



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Industries, World Economic Forum

Dan'l Lewin, Corporate VP, Technology and Civic Engagement, Microsoft

Jessica Rosenworcel, Commissioner, FCC

Ken Washington, VP, Research and Advance Engineering, Ford

8:45 – 9:00am

Switch Break

9:00 – 9:05am

Welcome

David Kirkpatrick, Chief Techonomist, Techonomy Media

9:05 – 9:35am

Who Owns the Future?

A presentation by **Jaron Lanier**, Scientist, Musician, Visual Artist and Author

Why didn't the rise of network technologies bring great wealth to the world in the last decade? Instead of experiencing excellent financial health because of the efficiencies of digital technologies, those efficiencies are having the effect of concentrating wealth while reducing overall growth. How can we better apply these powerful tools to promote greater balance, clarity, focus and genuine human connection?

9:35 – 9:45am

180° Shifts

180 seconds to turn 180 degrees. Reimagine. Reconsider. Rethink.

"Owning Your Identity" – **Stan Stalnaker**, Founding Director, Hub Culture / Ven

"The Bright Future of Illumination" – **Colleen Costello**, CEO and Co-founder, Vital Vio

"What Will We Remember?" – **Oren Boiman**, Co-founder and CEO, Magisto

9:45 – 10:00am

From Here to Where? Following the Brain Map

A Presentation by **Dr. Ed Boyden**, Leader, Synthetic Neurobiology Group, MIT

The human brain, a super organ of around 100 billion nerve cells, remains the single most powerful, complex and least understood computer on the planet. Cracking its code will allow us to better utilize our brains, and to drive the creation of better artificial intelligences. The applications span from marketing to medicine and education to warfare. How will how we work, live and play be changed by these new neuro-discoveries?

10:00 – 10:25am

A Conversation with David Marcus, VP of Messaging Products, Facebook

He left PayPal to take on Facebook Messenger. In his first public appearance since, he explains why.

Interviewer: **Emily Chang**, Anchor, *Bloomberg West*, Bloomberg Television

10:25 – 10:35am

The Internet is Not the Answer

A Presentation by Author and Journalist **Andrew Keen**

10:35 – 11:20am

Man, Machines and How the Future Works

It's 2020—robots and automation have replaced workers in droves. So what are all the people doing? What new system must emerge to employ and engage people, and what new policies and regulations will be needed to protect them?

Speakers: **Steve Jurvetson**, Partner, DFJ

Jessica Rosenworcel, Commissioner, Federal Communications Commission

Ken Washington, VP, Research and Advanced Engineering, Ford Motor Company

Philip Zelikow, Visiting Managing Director, Markle Foundation

Moderator: **John Markoff**, Senior Writer, *The New York Times*

11:20 – 11:55am

A Conversation with Marc Benioff, Chairman and CEO, salesforce.com

Interviewer: **David Kirkpatrick**, Chief Techonomist, Techonomy Media



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12:00pm

Conference Adjourns