





Schedule: Tuesday, September 21, 2010

KL	11:30 A.M. – 12:00 P.M.	Registration
	12:00 P.M. – 2:00 P.M.	Spotlight on Innovation Lunch
LS	<p>La Sala 2nd Floor MIT Student Center</p> <p>Panelists:</p>	<p>Hear about innovative emerging technologies in clean tech, life sciences and infotech from three Florida organizations and the paths taken to transform them from ideas to viable products. Learn about Florida's new venture capital initiatives and find out about breakthrough technologies, research strengths and the commercialization process.</p> <p>Scott Faris, Founder and CEO, <i>Planar Energy</i>; Harry W. Orf, VP, Scientific Operations and Professor of Chemistry, <i>Scripps Florida</i>; Leonard Polizzotto, VP, Marketing & Strategic Business Development, <i>Draper Laboratory</i>; Jason Rottenberg, Managing Director, Florida First Partners, a joint venture of <i>MILCOM Venture Partners & Credit Suisse</i></p> <p>Learn more: www.eflorida.com/spotlight</p> <p>Presented by:  </p>
KG	2:15 P.M. – 2:30 P.M.	<p>EmTech@MIT 2010 Opening Remarks</p> <p>Speaker: Jason Pontin, Editor in Chief and Publisher, <i>Technology Review</i></p>
KG	2:30 P.M. – 3:15 P.M.	<p>Fireside Chat</p> <p>Speakers: Jason Pontin, Editor in Chief and Publisher, <i>Technology Review</i> with Christine Herron, Principal, <i>First Round Capital</i></p> <p>An early-stage investor at First Round Capital, Herron has spent her career finding new and innovative information technologies.</p>
KG	3:15 P.M. – 3:45 P.M.	<p>Meet the 2010 TR³⁵</p> <p>Each year, the editors of <i>Technology Review</i> honor the TR35, a set of 35 young innovators whose inventions and research we find most exciting. Listen to the 2010 TR35 honorees describe their revolutionary and inspiring work – in 90 seconds or less!</p> <p>Moderator: Erica Naone, IT Editor, Web and Social Networking, <i>Technology Review</i></p> <p>TR35 Presenters: Danah Boyd, <i>Microsoft Research</i>; David Karp, <i>Tumblr</i>; David Kobia, <i>Ushahidi</i>; Avi Muchnick, <i>Aviary</i></p>
KG	<p>3:45 P.M. – 5:00 P.M.</p> <p>Presented by: </p>	<p>Keynote Panel</p> <p>Lab to Market: Success is Not Final, Failure is Not Fatal</p> <p>Innovation in business and technology no longer means a lone scientist screaming “Eureka!” in a dusty lab. Corporations are turning to centers of research and launching their own labs in hopes that diverse groups of interdisciplinary experts will collaborate on ideas that transform our world.</p> <p>Our panelists will share stories drawn from their decades of real-world wisdom in leading teams to cutting-edge breakthroughs and frustrating dead ends, and you’ll learn what makes labs such powerful and challenging work environments.</p> <p>Moderator: Jason Pontin, Editor in Chief and Publisher, <i>Technology Review</i></p> <p>Panelists: Lili Cheng, General Manager, <i>Microsoft’s Future Social Experiences (FUSE) Labs</i>; Pamela McNamara, President, <i>Cambridge Consultants</i>; Nitin Parekh, Director of Business Development, <i>Palo Alto Research Center</i>; Alex Wong, Managing Director, <i>D.E. Shaw & Co. L.P.</i>; Head of Venture Capital, <i>D.E. Shaw Group</i></p>
KL	<p>5:00 P.M. – 6:30 P.M.</p> <p>Presented by: </p>	<p>Opening Night Reception and Networking</p>

Schedule: Wednesday, September 22, 2010

KL	7:30 A.M. – 8:30 A.M.	Breakfast and Registration	
KG	8:30 A.M. – 8:45 A.M.	Opening Remarks: Jason Pontin , Editor in Chief and Publisher, <i>Technology Review</i>	
KG	8:45 A.M. – 9:20 A.M.	PreView Sessions: Short demonstrations of powerful emerging technologies – straight from the innovators themselves.	
	Presenter:	Matt Grob , SVP, Corporate Research and Development, <i>Qualcomm</i> Inspired by Mattel's classic children's game and developed using Qualcomm's augmented reality (AR) platform, Qualcomm's proof-of-concept game that demonstrates how interactive 3-D experiences can be visualized on real-world surfaces to create a completely new play experience that takes place in the real world. Vision-based AR can also be used by marketers as a new form of interactive media that enables product packaging and other printed media to come alive with interactive 3-D content. Applications may include enhanced product information, promotional games or contests, or even instructions for use.	
	Presenter:	Jonathan Segel , Executive Director, CTO Group, <i>Alcatel-Lucent</i> The combination of high-powered handheld computing and always-on wireless broadband networks creates the infrastructure for a new generation of applications. This presentation highlights the characteristics and potential of such an infrastructure and provides a concrete example with a mobile game that merges virtual and real-world experience using synthesized 3-D spatial audio.	
KG	9:20 A.M. – 10:30 A.M.	Keynote Panel: The Future of Mobile	
	Moderator:	Evan Schwartz , Senior Editor, <i>Technology Review</i>	
	Panelists:	Vanu Bose , President and CEO, <i>Vanu, Inc</i> ; Emily Green , President and CEO, <i>Yankee Group</i> ; Matt Grob , SVP, Corporate Research and Development, <i>Qualcomm</i> ; Alice White , Vice President, <i>Bell Labs</i>	
	10:30 A.M. – 10:45 A.M.	Break	
KG	10:45 A.M. – 11:15 A.M.	Meet the 2010 TR³⁵	
	Moderator:	Emily Singer , Senior Editor, Biomedicine, <i>Technology Review</i>	
	TR35 Presenters:	Philip Low , <i>NeuroVigil</i> ; Timothy Lu , <i>Ascendia Biotechnology, MIT</i> ; Mikhail Shapiro , <i>Third Rock Ventures</i> ; Samuel Sia , <i>Columbia University</i> ; Video Presentation: Jacob Hanna , <i>Whitehead Institute</i>	
KG	11:15 A.M. – 12:00 P.M.	The Future of Computation	
		Stephen Wolfram , Founder and CEO, <i>Wolfram Research</i> A distinguished scientist, inventor, author, and business leader, Wolfram launched Wolfram Alpha in May 2009. It's an ambitious, long-term project to make as much as possible of the world's knowledge computable, and accessible to everyone.	
	12:00 P.M. – 2:00 P.M.	Lunch Sessions	
ML	Lunch Option 1 Mezzanine 3rd Floor MIT Student Center	The Innovation and Underwriting Cycles: Managing Risk and Creativity Innovation is supported by finance and underwriting, especially in technology and life science. Risk and insurance have distinctive cycles, involving capital availability, finance, and volatility. These elements can affect the business cycles of growth and profit, which in turn affects research, development and innovation. This session brings these topics into a robust conversation about the synergies and challenges of innovation, underwriting, and risk. It is designed for entrepreneurs, technologists, CEOs, and CFOs.	Presented by: 
	Featured Speaker:	Sean Fitzpatrick , SVP, Middle Market and Specialty Financial, <i>The Hartford Financial Services Group</i>	
LS	Lunch Option 2 La Sala 2nd Floor MIT Student Center	A Day in the Life of Wireless: Wireless Health, Augmented Reality, Short-Range Communications, Indoor Positioning, and More Imagine working out and having your health stats automatically sent to your doctor. Envision attending a sports game, viewing stadium menus from your mobile device, ordering the food, and having it delivered to you so that you never have to miss a play or match point. Visit this session to learn about the wireless technologies of today and tomorrow.	Presented by: 
	Featured Speaker:	Matt Grob , SVP, Corporate Research and Development, <i>Qualcomm</i>	
KG	2:00 P.M. – 2:30 P.M.	Meet the 2010 TR³⁵	
	Moderator:	Brian Bergstein , Deputy Editor, <i>Technology Review</i>	
	TR35 Presenters:	Wesley Chan , <i>Google</i> ; Nick Feamster , <i>Georgia Tech</i> ; Rikin Gandhi , <i>Digital Green</i> ; Christopher Kruegel , <i>University of California, Santa Barbara</i> ; Kati London , <i>Area/Code</i>	
KG	2:30 P.M. – 3:15 P.M.	Keynote: What's Ahead in Wireless: Revolutionizing the Way We Do Business	
	Keynote Speaker:	Dan Hesse , CEO, <i>Sprint</i> Hesse will discuss how advances in wireless technology, such as 4G, will transform and shape our future. Faster networks and more powerful, connected devices and applications, like mobile video, are changing everything from entertainment to the way we communicate. Hesse will also discuss both the benefits and the challenges that the rapid growth of wireless presents for our planet.	
	3:15 P.M. – 3:30 P.M.	Break	
KG	3:30 P.M. – 4:15 P.M.	PreView Sessions: Short demonstrations of powerful emerging technologies – straight from the innovators themselves.	
	Presenter:	Ed Boyden , Assistant Professor, Biological Engineering and Brain and Cognitive Sciences, <i>MIT Media Lab</i> Problems such as stroke, chronic pain, addiction, and epilepsy affect more than a billion people worldwide, but much is still not known about the brain and how to treat its disorders. Boyden will present his strategy for using light to activate and silence parts of the brain. By using light, Boyden's group has uncovered much about the workings of the brain, which could lead to novel therapies.	
	Presenter:	Brett Brewer , General Manager, <i>Microsoft Live Labs</i> The amount of data available to users is increasing, so new ways to visualize and organize data that extract meaning will be significant for search, commerce, and any website that deals in information. Brewer will be demoing a new version of Microsoft's ambitious Pivot application, which allows users to view and manipulate huge amounts of data so that information is displayed and filtered in visually compelling, powerful ways.	
KG	4:15 P.M. – 5:00 P.M.	TR³⁵ Awards Ceremony A celebration of Technology Review's award-winning young innovators, all under 35 years old, who exemplify innovation in business and technology. Their work—spanning medicine, computing, communications, electronics, nanotechnology, and more—is changing our world. All 2010 winners will be honored onstage following a series of Meet the TR35 presentations.	
	Moderator:	Kevin Bullis , Energy Editor, <i>Technology Review</i>	
	TR35 Presenters:	Hany Eitouni , <i>Seeo</i> ; Peter Meinhold , <i>Gevo</i> ; Michelle Povinelli , <i>University of Southern California</i>	
KL	5:00 P.M. – 7:00 P.M.	TR³⁵ Reception and Networking	

Schedule: Thursday, September 23, 2010

KL	7:30 A.M. – 8:30 A.M.	Breakfast and Registration	
KG	8:30 A.M. – 9:15 A.M.	Meet the 2010 TR35 Moderator: Tom Simonite , IT Editor, Software and Hardware, <i>Technology Review</i> TR35 Presenters: Ranveer Chandra , Microsoft Research; Aaron Dollar , Yale University; Amir Alexander Hasson , United Villages; T. Scott Saponas , Microsoft Research; Video Presentation: Gabriel Charlet , Alcatel-Lucent	
KG	9:15 A.M. – 9:45 A.M.	Fireside Chat Speakers: Jason Pontin , Editor in Chief and Publisher, <i>Technology Review</i> with Elisabeth J. Moyer , Assistant Professor of Atmospheric Science, University of Chicago Moyer will discuss CIM-EARTH, a powerful economic and geophysical modeling system that informs the public debate about some of the most important issues humanity currently faces: the economic consequences of climate change and energy policies. The open-source, readily adaptable technology simulates the evolution of climate and human systems. The results can provide tools for policymakers, government agencies, businesses, planners, researchers, nonprofit groups, and educators.	
KG	9:45 A.M. – 10:15 A.M.	The Future of Transportation Speaker: Ryan Chin , PhD Student in the Smart Cities Group, MIT Media Lab Ryan Chin and his colleagues are (among other things) building the car of the future—a stackable, electric two-passenger city vehicle that could reshape urban mobility. This work, in collaboration with General Motors, takes into account problems of parking, congestion, communication, and energy distribution and considers the best and most efficient uses of available resources in an urban environment.	
	10:15 A.M. – 10:30 A.M.	Break	
KG	10:30 A.M. – 10:50 A.M.	Meet the 2010 TR35 Moderator: Katherine Bourzac , Materials Science Editor, <i>Technology Review</i> TR35 Presenters: Alán Aspuru-Guzik , Harvard; Conor Madigan , Kateeva; Michael McAlpine , Princeton University	
KG	10:50 A.M. – 12:00 P.M.	Keynote Panel: The Future of Energy Moderator: Jason Pontin , Editor in Chief and Publisher, <i>Technology Review</i> Panelists: Nazeer Bhore , Senior Technology Advisor, Exxon Mobil; Jose Bravo , Chief Scientist, Shell Global Solutions; John Reilly , Associate Director for Research, Joint Program on the Science and Policy of Global Change, MIT	
	12:00 P.M. – 2:00 P.M.	Lunch Sessions	
ML	Lunch Option 1 Mezzanine 3rd Floor MIT Student Center	Facing the Realities of the IT Paradigm Shifts Virtualization, cloud computing, and migration to new operating systems demand stronger security, while business conditions demand reduced operating costs. Me4Sure's CTO, George Sullivan, will compare the complexities and weaknesses of current systems with Me4Sure's innovative technology, which strengthens authentication and access controls as well as simplifying use and administration without disrupting existing IT schemas. Featured Speaker: George Sullivan , CTO, Me4Sure	Presented by: 
LS	Lunch Option 2 La Sala 2nd Floor MIT Student Center	No Limitations: A Personal Story of how Technology has Enabled Athletic Success Cyclist Sam Kavanagh, 2012 Paralympics contender, discusses his inspiring journey and the role technology plays in his success. At age 25, Sam was trapped in an avalanche and sustained severe injuries. He has since found renewed drive, and he's harnessed technology to overcome his physical challenges and compete in elite athletics. Featured Speaker: Sam Kavanagh , 2012 Paralympics Contender	Presented by: 
KG	2:00 P.M. – 2:30 P.M.	Meet the 2010 TR35 Moderator: Stephen Cass , Senior Editor, Special Projects, <i>Technology Review</i> TR35 Presenters: Kim Hazelwood , University of Virginia; Indrani Medhi , Microsoft Research India; Andrey Rybalchenko , Technical University of Munich; Jian Sun , Microsoft Research Asia; Richard Tibbetts , StreamBase System;	
KG	2:30 P.M. – 3:15 P.M.	Fireside Chat Speakers: Jason Pontin , Editor in Chief and Publisher, <i>Technology Review</i> with Kris Gopalakrishnan , CEO, Infosys Technologies Technology 1.0 (from mainframes to desktop computers) and 2.0 (Internet-enabled) have had a significant impact on businesses and business models. Over the next 25 to 30 years, technology 3.0 (pervasive computing driven by sensor networks, connected devices, etc.) will have a huge impact, not only on business, but on our lives. It will touch the way we connect and interact with others, and the way we handle the issue of sustainability; it will change the nature of health care, through preventive and personalized treatment; it will introduce new types of monetary transactions; and it will create huge opportunities for innovation.	
	3:15 P.M. – 3:30 P.M.	Break	
KG	3:30 P.M. – 4:15 P.M.	PreView Sessions: Short demonstrations of powerful emerging technologies – straight from the innovators themselves. Presenter: Samuel Sia , Assistant Professor of Biomedical Engineering, Columbia University Researchers have strived to create cheaper, faster, easier diagnostic tests so that health-care workers in places with limited resources can identify diseases more readily. Using the latest advances in microfluidics, Sia has developed a portable card that can detect illnesses such as infectious diseases or prostate cancer – tasks that normally require a big lab. This device can aid in point-of-care diagnostics; diagnosis can be done on-site to get immediate results, so patients don't have to wait. Presenter: Harry A. Atwater , Howard Hughes Professor and Professor of Applied Physics and Materials Science, Caltech Atwater will discuss the future of solar power and describe how his technology could turn solar into a truly viable source of energy. He has designed lightweight, low-cost, flexible solar cells that are highly efficient and can be integrated into other applications.	
KG	4:15 P.M. – 5:00 P.M.	Closing Performance Performer: Michael Hawley , Director of Special Projects; Founder, MIT's GO Expeditions Program	