



*Em***Tech**
India 2010

Emerging Technologies Conference

March 8-9, 2010
ITC Royal Gardenia,
Bengaluru, India

Technology
INDIA REVIEW
Review

CYBER MEDIA

IIT Indian Institute of Technology

Day 1, Monday, March 8, 2010

9:30 – 9:45 Mysore Hall	Session: Welcome Addresses
9:45 –10:30 Mysore Hall	Session: Keynote Address Speakers: Dr. Subra Suresh -Special address on the future of scientific culture in India
10:30 –11:00 Mysore Hall	Session: Fireside Chat Speakers: Mrs Kiran Mazumdar-Shaw, CMD, Biocon, Dr MK Bhan, Secretary DBT*, Dr. Peter Liggesmeyer, Professor at the University of Kaiserslautern, Germany (Department of Computer Science). -Activating the Innovation Gene
11:00 A.M.–11:25	Break
11:25 –12:10 Mysore Hall - 1	Session: Digital Imaging Speakers: Ramesh Raskar, Associate Professor at MIT Media Lab, Greater Boston Area ; Co-Director, Center for Future Storytelling -The future of cameras and imaging. The impact of a billion cell phone cameras
Mysore Hall - 2	Session: Innovative Diagnostics Speakers: Dr. B V Ravikumar, Xcyton Diagnostics; Ashish Shah, General Manager-GE Healthcare; Suresh Vazirani, TransAsia - The advancement of human genomics, the discovery of specific genetic markers linked with tumor development, infectious diseases such as mycobacterium tuberculosis, etc. have made rapid stride. Till recently molecular diagnostics was limited to the use of specimens such as blood, sputum or biopsy. It's now more than that.
12:15 – 13:00 Mysore Hall - 1	Session: Wireless India Speakers: Dr. Ashok Jhunjunwala, Dept of Electrical Engineering, IIT, Chennai & founder, Tenet Telecom ; Prof. S Sadagopan, Founder Director, IIIT -Mobile phones and Internet are becoming an inevitable part of life. The technology has erased boundaries and enabled people to communicate. Can it deliver more that that and how?
Mysore Hall - 2	Session: Neglected Diseases Speakers: Shiladitya Sengupta, Assistant Professor, Harvard Medical School Brigham & Women's Hospital ; Shrikumar Suryanarayan, CEO, Translational Research Institute and Hon. Director-General, ABLE -Vaccines have helped us conquer some of humanity's worst scourges in the past century. In the future they will help us control and even eliminate many more. Can we have affordable vaccines against AIDS, malaria and pulmonary tuberculosis by 2015 and by 2025 be able to protect infants against at least 20 pathogens throughout their lives?

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11:25 -13:00 Magnolia Hall	<p>Session: Media Labs Workshop</p> <p>Speakers: Vinay Gidwaney, Research Affiliate-Synthetic Neurobiology group of MIT's Media Lab & Co-founder, Energy Inside; Anmol Madan, PhD Candidate, MIT Media Lab; Mihir Sarkar, PhD Candidate, Media Arts and Sciences</p> <p>-MIT Media Lab's workshop for forging collaborations and innovating technological solutions to challenges unique to India.</p>
13:00 – 14:00	LUNCH
14:00 – 15:30 Mysore Hall - 1 Mysore Hall - 2 Magnolia Hall	<p>Session: Innovation Live!</p> <p>Innovation Live! *</p> <p>Innovation Live! by Indo-German Innovation Platform</p> <p>-Strategically important joint projects between India and Germany. Production Technology, Life Sciences and Sustainable Development is the road map for Indo-German collaboration. Day 1 focuses on Life Sciences</p>
15:30 – 16:00	BREAK
16:00 – 17:00 Mysore Hall	<p>Session: Bottom-of-the-Pyramid Technologies</p> <p>Speakers: Prof. Anil K. Gupta, President SRISTI and Professor IIM, Ahmedabad</p> <p>-Technologies needn't always be for the sophisticated. There's a need and market opportunity for such technologies that address the requirements of a common man on the street. The Social Innovation session focuses on developments that will benefit the underprivileged people.</p>
17:00 – 17:30	Sponsor Session*
17:30 – 19:00 Mysore Hall	<p>Session: TR35 Awards</p> <p>-Technology Review will honor individuals who will be under age 35 for their superb technical work that holds great promise to shape the next decades. The awards span across a wide range of technologies from biotech, arts and entertainment, and software development to semiconductors, transportation, energy, and new materials research.</p>
19:00-22:00	Networking Dinner Dinner

Day 2, Tuesday, March 9, 2010

9:30 – 9:35	Session: Welcome Address
Mysore Hall	Speakers: Jason Pontin
9:35 – 10:15	Session: Keynote
Mysore Hall	Speakers: Prof. Anant Agarwal, Electrical Engineering and Computer Science, MIT & founder, Tiler -The Future of Computing: Multicore, Manycore and Clouds
10:15 – 11:00	Session: Fireside Chat
Mysore Hall	Speakers: Prof. Samir. K. Brahmachari, Director General CSIR ; Dr. T Ramasami, Secretary, DST* - Imagination and Technology
11:00 – 11:25	BREAK
11:25 – 11:50	
Mysore Hall - 1	Session: Clean Transport Speakers: KV Subramaniam, President and CEO, Reliance Life Sciences -Biofuels made from plant material are of keen interest, though it accounts for only 3 percent of the total transport fuels. How would biofuels change the paradigm of transportation.
Mysore Hall - 2	Session: Future of Nanotechnology Speakers: Dr. Homi C. Bhedwar, Director, DuPont Knowledge Center ; Dr. Anita Goel, MD, PhD, Nanobiosym Chairman, Scientific Director & CEO -Nanotechnology will bring new capabilities, giving us new ways to make things, heal our bodies, and care for the environment. Get a head start on understanding it and what to do about it.
11:55 – 13:00	
Mysore Hall - 1	Session: Smarter Energy Grid Speakers: Dr. Ajay Mathur, DG, BEE ; Dr. Jatin N Roy, Solar Semiconductor ; Mr. Rabindra Satpathy, President (Solar Energy Group), Reliance Industries -Enough solar energy reaches the earth in one hour to meet the world's energy demand for nearly a year. But despite more than a century of sporadic development, technologies that utilize solar energy remain inefficient and expensive. How close are we today to realizing cost-competitive solar technologies? And can they be manufactured and deployed without negative environmental impacts of their own?
Mysore Hall - 2	Session: Future of Electronics Speakers: Prof. A K Ganguli, Dept. of Chemistry, IIT, Delhi ; Dr. Mano Manoharan Head R&D (India) GE -The electronics industry is reaching the limits of miniaturization and a few years from now, the way computer chips are made, may not be able to scale down. Nanotechnology-driven components could be the answer to that.

14:00 – 15:30	<p>Session: Innovation Live!*</p> <p>Innovation Live! *</p> <p>Innovation Live! by Indo-German Innovation Platform -Strategically important joint projects between India and Germany. Production Technology, Life Sciences and Sustainable Development is the road map for Indo-German collaboration. Day 2 focuses on Environmental Technology.</p>
15:30 – 16:00	<p>Sponsor Session*</p>
16:00 – 17:00	<p>Session: MIT Alumni Panel</p> <p>Speakers: Jason Pontin, Editor in Chief and Publisher of Technology Review; Prof. Anant Agarwal, Electrical Engineering and Computer Science, MIT; Dr. Arun Chandavarkar, COO, Biocon; Prof. Vijay Chandru, CMD, Strand Life Sciences -The panel of MIT Alumni discuss the future of various technologies and trends to come</p>
17:00 – 17:15	<p>Session: Launch of MIT - Enterprise Forum</p> <p>-Launching the first India chapter of the Enterprise Forum, set to bring forward the latest technologies</p>
17:15 – 17:45	<p>Session: Closing Sessions</p> <p>Speakers: Pranav Mistry: Inventor of Sixth Sense -Integrating information with the real world</p>

Sponsors

