

MTL Seminar Series

MTL hosts a series of talks each semester known as the MTL Seminar Series. Seminar speakers are selected on the basis of their knowledge and competence in the areas of microsystems research, manufacturing, or policy. The seminars are open to the public. A listing of recent seminars is also provided at <http://mtlweb.mit.edu>. Audio/PPT, MP3 audio, and archived streaming videos of the seminars are available online exclusively to individuals whose companies are members of the Microsystems Industrial Group at MTL and to the MIT community. For more information regarding the MTL Seminar Series, send e-mail to valeried@mit.edu.

FALL 2013

- **October 8, 2013**
Yurii Vlasov, IBM
IBM Silicon Nanophotonics Technology for Datacenters and Computer Systems
- **October 22, 2013**
Parijat Deb, Philips Lumileds Lighting Company Solid State
Lighting: Present Status and Challenges Ahead
- **October 29, 2013**
Brent Segal, Lockheed Martin
Nanotechnology from Laboratory to Space
- **November 5, 2013**
John Memishian, Analog Devices
Fun with Micromachines: Measuring Zeptofarads and Picometers for Under a Buck
- **November 12, 2013**
Dennis Buss, Texas Instruments
Microelectronics: An Industry in Transition
- **November 19, 2013**
Naveen Verma, Princeton University
Systems Based on Large-area Electronics: Bringing Electronics to Life through Extensive Interfacing with the Physical World
- **November 26, 2013**
Hidemi Takasu, ROHM Semiconductor
More Than Moore Opens the New Semiconductor World
- **December 3, 2013**
MTL Doctoral Dissertation Seminar: Anthony Zorzos, MIT
3-D Optical Waveguide Arrays for In-Vivo Optogenetics: Development and Application

SPRING 2014

- **February 26, 2014**
Brett Miwa, Maxim Integrated
Opportunities and Challenges in Mobile Power Management
- **March 5, 2014**
Ljubisa Stevanovic, GE Global Research
Are SiC Power Devices Ready for Prime Time?
- **March 12, 2014**
Samuel Schaevitz, Lilliputian Systems, Inc.
Commercialization of a MEMS Solid Oxide Fuel Cell
- **April 2, 2014**
Zachary J. Lemnios, IBM
IBM: Leading the Next Era of Information Technology
- **April 9, 2014**
Marko Loncar, Harvard
Diamond - Engineer's Best Friend
- **Friday, April 25, 2014**
Thomas Stieglitz, University of Freiburg/IMTEK
Miniaturized Neural Interfaces and Implants in Basic and Translational Research
- **April 30, 2014**
Yao-Wen Chang, National Taiwan University
Design for Manufacturability for Sub-14nm Nanometer Technologies
- **May 14, 2014**
MTL Doctoral Dissertation Seminar: Xiang Zhou, MIT
III-nitride Nanowires & Heterostructures: Growth & Optical Properties on Nanoscale