10 MTL Seminar Series

MTL hosts a series of talks each semester known as the MTL Seminar Series. Speakers for the series are selected on the basis of their knowledge and competence in the areas of microelectronics research, manufacturing, or policy. The series is held on the MIT Campus during the academic year on Tuesdays at 4:00 pm. The seminar series is open to the public. A listing of recent seminars is also provided at ***http://mtlweb.mit.edu***. Streaming videos of the series are available online exclusively to individuals whose companies are members of the Microsystems Industrial Group at MTL. For more information regarding the MTL Seminar Series, send e-mail to ***valeried@mit.edu***.

Fall 2007	September 18	Michael Geis, MIT Lincoln Laboratory **Responsivity and Transient Response of 1.5-µm Infrared Si Photodiodes Fabricated in a CMOS Line**
	September 25	Ted Vucurevich, Cadence Design Systems **Engineering Challenges in the Late-CMOSEra**
	October 2	Mike Hutton, Altera Corporation **FPGA Architecture**
	October 16	Jesus del Alamo, MTL **III-V CMOS: A 'Beyond-the-Roadmap' Semiconductor Logic Technology?**
	October 23	Kerry Bernstein, IBM **Technology Circuit Co-Design for High Performance Logic**
	October 30	Raj Amirtharajah, University of California-Davis **Micropower Integrated Circuits for Energy Harvesting Wireless Sensors**
	November 6	Ian Young, Intel Corporation **3-D Design Opportunities and Challenges for Microprocessors**
	November 27	Robert Langer, MIT **Advances in Drug Delivery and Tissue Engineering**
	December 4	Michael Perrott, MTL **Making Better Use of Time in Mixed-Signal Circuits**
	December 11	Doctoral Dissertation Seminar: Hong Ma, Department of Mechanical Engineering **Electrochemical Impedance Spectroscopy using Adjustable Nanometer-Gap Electrodes**
Spring 2008	March 4	Bob Metcalfe, Polaris Ventures **The Enernet**
	March 11	Emilio Bizzi, MIT **Combining Molecules for Movement**
	March 18	Larry Hornbeck, Texas Instruments **Digital Light Processors: The Synergism of Combining Digital Optical MEMS, CMOS, and Algorithms**
	April 1	Donhee Ham, Harvard University **The Making of the Smallest NMR System for Human Healthcare - Silicon Trigger & Monitor for Nuclear Spins**
	April 8	Ali Hajimiri, Caltech **Holistic Design in mm-Wave Silicon ICs**
	April 15	Carl Hansen, University of British Columbia **Microfluidic Technology Development for Single Cell Analysis**
	April 29	Kelin Kuhn, Intel Corporation **4 5nm High-k + Metal Gate Logic Technology**
	May 13	Doctoral Dissertation Seminar: Bernard Yen, Department of Electrical Engineering and Computer Science **µTurbogenerator: A Case Study on Resolving Cross-Domain Incompatibilities**