

CITRIS in Taiwan

March 27, 2007

Barry Lam Hall, National Taiwan University

9 a.m. to 5:30 p.m

- 9:00 a.m. **Welcome**
Lee Si-chen, President of National Taiwan University, and S. Shankar Sastry, Director, CITRIS; NEC Distinguished Professor of Engineering and Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 9:10 a.m. **The Future of CMOS Technology**
Chenming Hu, TSMC Distinguished Chair Professor of Microelectronics, UC Berkeley, and former Chief Technology Officer of TSMC
- 9:45 a.m. **Optical MEMS for Communications and Sensing**
Ming Wu, Professor of Electrical Engineering and Computer Sciences, UC Berkeley, and Co-Director of the Berkeley Sensor & Actuator Center (BSAC)
- 10:15 a.m. **Wireless Research at CITRIS and UC Berkeley**
Gary Baldwin, Executive Director, CITRIS
- 10:45 a.m. **Break**
- 11:00 a.m. **Liquid Crystal Polymer Components & Modules for Communications**
Ahn-Vu Pham, Associate Professor of Electrical and Computer Engineering, UC Davis
- 11:30 a.m. **Vibrating Micromechanical Circuits for Robust Wireless Communications**
Clark Nguyen, Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 12:00 p.m. **Break for lunch**
- 1:00 p.m. **Opening for the afternoon session**
Soo-Chang Pei, Dean of the College of Electrical Engineering and Computer Science, National Taiwan University
- 1:15 p.m. **EDA: Past, Present & Future**
Ernest Kuh, William S. Floyd, Jr. Professor Emeritus in Engineering and in the Graduate School, Electrical Engineering and Computer Sciences, UC Berkeley
- 1:45 p.m. **Electrothermal Considerations in Devices and Circuits**
Ali Shakouri, Professor of Engineering, UC Santa Cruz
- 2:15 p.m. **Opportunities in Semiconductor Manufacturing**
Costas Spanos, Professor of Electrical Engineering and Computer Sciences and Associate Dean, Research, College of Engineering, UC Berkeley
- 2:45 p.m. **Break**
- 3:00 p.m. **Wireless Embedded Systems: Sensor Networks and Beyond**
S. Shankar Sastry, Director, CITRIS; NEC Distinguished Professor of Engineering and Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 3:30 p.m. **Information Privacy and Computer Security**
Doug Tygar, Professor of Computer Science and of Information Management, UC Berkeley
- 4:00 p.m. **Immersive Environments**
Ruzena Bajcsy, Director Emerita of CITRIS and Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 4:30 p.m. **Energy Research at CITRIS, including Helios**
Van Carey, Professor of Mechanical Engineering, UC Berkeley
- 5:00 p.m. **Low-Cost Hardware and Infrastructure**
Eric Brewer, Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 5:30 p.m. **Closing remarks**
Gary Baldwin, Executive Director, CITRIS

