

Agenda

- 9:00 a.m. Welcome from Host and from 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 Taiwan Semiconductor Manufacturing Company
- 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. **High-Speed Wireless Communications**
Paul Gray, Andrew S. Grove Distinguished Professor of Electrical Engineering and former Executive Vice Chancellor and Provost, UC Berkeley
- 10:45 a.m. **Break**
- 11:00 a.m. **RF Components for Wireless, Optical, and Sensing Communications Systems**
Ahn-Vu Pham, Associate Professor of Electrical and Computer Engineering, UC Davis
- 11:30 a.m. **The Future of Micro-electromechanical Systems**
Clark Nguyen, Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 12:00 p.m. **Break for lunch**
- 1:15 p.m. **The Future of Electronic Design Automation**
Ernest Kuh, William S. Floyd, Jr. Professor Emeritus in Engineering and Professor in the Graduate School, Department of Electrical Engineering and Computer Sciences, UC Berkeley
- 1:45 p.m. **Opportunities in Computer-Aided Manufacturing**
Costas Spanos, Professor of Electrical Engineering and Computer Sciences and Associate Dean, Research, College of Engineering, UC Berkeley
- 2:15 p.m. **Immersive Environments**
Ruzena Bajcsy, Director Emerita of CITRIS and Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 2:45 p.m. **Break**
- 3:00 p.m. **The Digital Home and Home Security**
S. Shankar Sastry, Director, CITRIS; NEC Distinguished Professor of Engineering and Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 3:30 p.m. **Thermoelectric Considerations in Semiconductors**
Ali Shakouri, Professor of Engineering, UC Santa Cruz
- 4:00 p.m. **Energy Research at CITRIS, including Helios**
Van Carey, Professor of Mechanical Engineering, UC Berkeley
- 4:30 p.m. **Low-Cost Hardware and Infrastructure**
Eric Brewer, Professor of Electrical Engineering and Computer Sciences, UC Berkeley
- 5:00 p.m. **Closing remarks**
Gary Baldwin, Executive Director, CITRIS
- Reception