



**Welcome to
CITRIS Asia Research Symposium
April 10, 2006**

Prof. S. Shankar Sastry, Director Dr. Gary Baldwin, Exec Dir.
Co-Dir: Patrick Mantey UCSC, Jeff Wright UCM, Ben Yoo UCD ,
Chief Scientists: Paul Wright UCB & lead, Alex Peng UCSC,
German Gavilan, UCM

Welcome from Governor Arnold Schwarzenegger



GOVERNOR ARNOLD SCHWARZENEGGER

March 9, 2006

Professor Shankar Sastry
Director, CITRIS
284 Hearst Memorial Mining Building
MC-1764
University of California, Berkeley
Berkeley, California 94720-1764

Dear Professor Sastry,

I am delighted to hear that Center for Information Technology Research in the Interest of Society (CITRIS) will be organizing a meeting in Tokyo this April to discuss research collaborations with leading Japanese IT companies.

As you know, I am a big fan of CITRIS and the other California Institutes for Science and Innovation. I had an opportunity to see demonstrations of several CITRIS research projects at the World Environment Day pavilion on June 1, 2005, in San Francisco, including research initiatives which use wireless sensor networks to improve energy efficiency and to enhance our ability to respond to man-made and natural disasters.

I am particularly interested in working with CITRIS and other California Institutes on "intelligent infrastructure." I have proposed making major new investments in California's infrastructure to promote economic growth and job creation, and I would like to explore how new technologies can increase the productivity of these investments.

Many high-tech executives have told me how important the University of California is to our states economic competitiveness. I know that UC Berkeley has been responsible for many of the innovations that are driving the global IT industry, such as electronic design automation, inexpensive mass storage, and advanced microprocessor technology.

Best of luck with your meeting in Tokyo, and with the future of CITRIS.

Sincerely,


Arnold Schwarzenegger

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Agenda

- **9:00 a.m. Opening and Introduction to CITRIS**
 - ***“An Introduction to the Center for Information Technology in the Interest of Society: CITRIS,”*** Prof. S. Shankar Sastry, Director, CITRIS; NEC Distinguished Professor of Engineering and Former Chair of EECS, UC Berkeley
- **9:40 a.m. The Future of Semiconductor and Nano-Technology: A CITRIS Perspective**
 - ***Opening:*** Dr. Taizo Nishikawa, Deputy Director General of the Ministry of Economy, Trade, and Industry (METI)
 - ***“Interfacing the Nano-Micro-Macro Worlds,”*** Prof. Nathan Cheung, Acting Director of the Berkeley MicroLab, UC Berkeley
 - ***“MEMS, Sensors, and Devices for the Next Decade,”*** Prof. Al Pisano, Chair of Mechanical Engineering and former Director of Electronics Research Laboratory, UC Berkeley
 - ***“Synthetic Nano-materials for Novel Electronic Concepts,”*** Prof. Ali Javey, UC Berkeley
 - ***“MEMS-Tunable Nano-photonic Circuits,”*** Prof. Ming Wu, Co-director of Berkeley Sensors and Actuators Center, UC Berkeley
 - ***“Integrated Micro and Nano Photonic Systems for Peta-scale Networking,”*** Prof. Ben Yoo, CITRIS Affiliate Director, UC Davis
- **12:30 p.m Luncheon with Welcome speech and Keynote Speaker**
 - **Welcome** from Mr. Masakazu Toyoda, Director General of the Ministry of Economy, Trade, and Industry (METI)
 - ***“The Future of CMOS Technology,”*** Prof. Chenming Hu, TSMC Distinguished Chair Professor of Microelectronics, UC Berkeley, and former Chief Technology Officer of TSMC

Agenda, continued

- **1:30 p.m. Innovations for Societal-scale Services: Environmental Monitoring, Healthcare, and Communications**
 - **Opening: Mr. Akira Amemiya, Director, Advanced Information Systems and Software Division, Information and Communications Policy Bureau, Ministry of Internal Affairs and Communications (MIC)**
 - **“Moving to the Edge: Long Term Trends in Converged Networks,”
Mr. Jonathan Murray, CITRIS Industrial Researcher; WW Public Sector Technology Officer, Microsoft**
 - **“Services, Networks, and Competition in Information Technology,” Prof. John Zysman, Co-Director of Berkeley Roundtable on the International Economy, UC Berkeley**
 - **“TRUSTed Cyberinfrastructure: Security with Privacy,” Prof. S. Shankar Sastry, Director, CITRIS; NEC Distinguished Professor of Engineering and Former Chair of EECS, UC Berkeley**
 - **“Environmental Monitoring: from Smart Buildings to Water Management,” Prof. Alberto Cerpa, UC Merced**
 - **“Environmental Sensors for Infrastructure Condition Monitoring,” Prof. Steve Glaser, UC Berkeley**
 - **“Applications of “Smart Dust” for Energy Efficient and Demand Responsive Smart Buildings”
Prof. Paul Wright, A. Martin Berlin Chair in Mechanical Engineering, Co-Director of the Berkeley Manufacturing Institute and Affiliate Chief Scientist of CITRIS, UC Berkeley**
 - **“Computer Visualization for Geomechanics, Health Care, and the Environment,” Prof. Alex Pang, Affiliate Chief Scientist of CITRIS, UC Santa Cruz**
 - **“Information Technology for Extending the Quality of Life for the Elderly,” Prof. Ruzena Bajcsy, Director Emerita of CITRIS, UC Berkeley**
- **6:15 p.m. Reception**

Other participants from CITRIS

- Prof. German Gavilan, CITRIS Chief Scientist, UC Merced
- Dr. John Huggins, Executive Director, Berkeley Sensor and Actuator Center
- Mr. Takahide Inoue, CITRIS
- Mr. Riku Makaela, Tekes, CITRIS Corporate Sponsor
- Prof. Shawn Newsom, UC Merced
- Dr. Anthony St. George, Executive Director, GLOBE (Global Learning and Outreach from Berkeley Engineering)
- Dr. Yvette Subramanian, Publications and Events Coordinator, CITRIS
- Mr. Kenji Kushida, UC Berkeley