



MEMS/JPL-USC-CIT Summit 2004

Thursday, January 22, 2004
8:00am – 6:00pm

Microdevices Laboratory at JPL

Agenda

- 8:00 – 10:00am REGISTRATION AND BADGING AT JPL VISITOR LOBBY
- 10:00 – 10:15am Tom Prince, JPL/Caltech
University Research Partnerships at JPL
- 10:15 – 10:30am Zach Hall, HSC/USC
Engineering & Biomedical research: A partnership whose time has come
- 10:30 – 11:00pm Thomas George, JPL
MEMS & NEMS at NASA/JPL
- 11:00 – 12:00pm MDL TOUR
- 12:00 – 1:00pm LUNCH AT CAFETERIA 303
- 1:00 – 1:30pm John Peter Gruen, LAC/USC
Cyberknife: Radiation Oncology and its challenges
- 1:30 – 2:00pm Wolfgang Fink, JPL/USC/Caltech
Biomedical Research at JPL-USC-Caltech
- 2:00 – 2:30pm Shouleh Nikzad, JPL
Advanced UV Detectors and Quantum Dots
- 2:30 – 3:00pm Paul Patterson, Caltech
Interactions between the nervous and the immune systems
- 3:00 – 3:30pm COFFEE BREAK
- 3:30 – 4:00pm Brian Hunt, JPL
Nanowire sensors and microfluidics-based technology for in situ chemical measurements
- 4:00 – 4:30pm Babak Kateb, USC/Caltech
Optical Spectroscopy: A New Approach for Brain Tumor Mapping
- 4:30 – 5:00pm Sarath Gunapala, JPL
High Resolution and High Sensitivity Thermal Imaging at Low Cost
- 5:00 – 5:30pm Bradley Greger, Caltech
Neuroprosthetics: difficulties in chronic electrophysiological recording and potential solutions
- 5:30 – 6:00pm CLOSING REMARKS