

Electrical Engineering

Session **L**

Room: 114 Steele

1:00 - 1:20 PM	David T. Lee <i>The Aerospace Corporation SURF Fellow</i>	Multivalued Stochastic Relay Circuits	Jehoshua Bruck <i>Gordon and Betty Moore Professor of Computation and Neural Systems and Electrical Engineering</i>
1:20 - 1:40 PM	Narain K. Vijayashanker <i>Fred and Jean Felberg SURF Fellow</i>	Design of Low Voltage, Low-Dropout CMOS Linear Regulators	Azita Emami <i>Assistant Professor of Electrical Engineering</i> Juhwan Yoo <i>Graduate Student in Electrical Engineering</i>
1:40 - 2:00 PM	Constantine Sideris <i>Brenda and Louis J. Alpinieri SURF Fellow</i>	Biomolecular Spectroscopy: Designing Low-Cost, Portable Biosensors in CMOS	Ali A. Hajimiri <i>Professor of Electrical Engineering</i>
2:00 - 2:20 PM	Eythan Familier <i>Captain Pradeep B. Suklikar Memorial SURF Fellow</i>	Stability and Performance of Digital Spectrometers for Wideband Radiometers	Sander Weinreb <i>Faculty Associate in Electrical Engineering; Principal Staff Member, JPL</i> Glenn Jones <i>Graduate Student in Electrical Engineering</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Adi Wijaya Gani <i>Carolyn Ash SURF Fellow</i>	Electrical, Thermal, and Mechanical Characterizations of Implantable Parylene-Coated Microelectrodes and Microcables for Neural Prosthesis	Yu-Chong Tai <i>Professor of Electrical Engineering and Mechanical Engineering</i> Monty Nandra <i>Graduate Student in Electrical Engineering</i>
2:50 - 3:10 PM	Suyao Ji	Neural Signal Sensing With Platinum Black Electroplated Electrodes	Yu-Chong Tai <i>Professor of Electrical Engineering and Mechanical Engineering</i> Ray Huang <i>Graduate Student in Electrical Engineering</i>

3:10 - 3:30 PM

Jasmine S. Sears

Fly Eyes as a Template for
Antireflective Microlenses

Changhuei Yang
*Assistant Professor of Electrical
Engineering and Bioengineering*
Ying Min Wang
*Graduate Student in Electrical
Engineering*

3:30 - 3:50 PM

William Fan

Systems and Electrokinetic Flow
Control for Packed 100 x 30 μ m
Isotropic Microchannel in
On-Chip Gated Capillary
Electrochromatography

Peter A. Willis
Member of the Technical Staff, JPL
Frank Greer
Senior Engineer, JPL