Friday, May 12

8:15 - 9:00 a.m. Registration
9:00 - 9:05 a.m. Welcome
9:05 - 9:40 a.m. Konishi
   “Dynamics of Supersymmetric SU(n_c) and USp(2 n_c) Gauge Theories”
9:40 - 10:15 a.m. Andrei Smilga, Univ. Nantes
   “Vacuum States in N=8 Gauge Supersymmetric Quantum Mechanics with Any Gauge Group”
10:15 – 11:00 a.m. Coffee Break
11:00 - 11:35 a.m. Piet Brouwer, Cornell University
   “Fluctuating Spin g-tensor in Small Metal Grains”
11:35 - 12:10 a.m. Dan C. Ralph, Cornell University
   “Interacting-Electron States inside Ferromagnetic and Superconducting Particles”
12:10 - 2:00 p.m. Lunch, Humphrey Room, Radisson Hotel Metrodome

Afternoon session – Humphrey Room, Radisson Hotel Metrodome

2:00 – 2:35 p.m. Marc Kastner, Massachusetts Institute of Technology
   “Kondo and Fano Line Shapes in the Conductance of Single Electron Transistors”
2:35 – 3:10 p.m. Leo Kouwenhoven, Technical University Delft
   “New Results on the Kondo Effect in Quantum Dots and Rings”
3:10 – 3:40 p.m. Coffee Break
3:40 - 4:15 p.m. Doug Stone, Yale University  
“Suppression of Ground-State Magnetization Due to Interaction Fluctuations”

4:15 - 4:50 p.m. Charlie Marcus, Stanford University  
“Mesoscopics with Spin”

4:50 – 5:25 Albert Chang, Purdue University  
“Transport Investigations of Small GaAs/Al[x]Ga[1-x]As Quantum Dots”

Saturday, May 13
Humphrey Room, Radisson Hotel Metrodome

9:00 - 9:35 a.m. Mike Tinkham, Harvard University  
“Quantum Suppression of Superconductivity in Ultrathin Nanowires”

9:35 – 10:10 a.m. John Clarke, Lawrence Berkeley National Lab  
“The Effects of Dissipation on Quantum Fluctuations in Small Junctions”

10:10 - 10:40 a.m. Coffee Break

10:40 – 11:15 a.m. Anton Andreev, University of Colorado  
“Coulomb Blockade Oscillations in the Thermopower of Open Dots”

11:15 - 11:50 a.m. Igor Aleiner, SUNY, Stony Brook  
“Mesoscopic Fluctuations of Coulomb Drag”

11:50 – 2:00 p.m. Lunch, Humphrey Room, Radisson Hotel Metrodome

Afternoon Session – Humphrey Room, Radisson Hotel Metrodome

2:00 - 2:35 p.m. Charlie Kane, University of Pennsylvania  
“Electronic Transport in Carbon Nanotubes”

2:35 – 3:10 p.m. Paul L. McEuen, UC Berkeley  
“Carbon Nanotubes - a (Nearly) Ideal 1D Conductor”

3:10 - 3:45 p.m. Leon Balents, UC Santa Barbara  
“Spin and Charge Transport in Carbon Nanotubes”

3:45 – 4:15 p.m. Coffee Break
4:15 - 4:50 p.m.  Uri Sivan, Technion, Israel
"1D Crystallization of Positively Charged Colloids on DNA - Low Temperature Physics at Room Temperature"

4:50 – 5:25 p.m.  Alexander van Oudenaarden, Massachusetts Institute of Technology
"Brownian Ratchets and Stochastic Phenomena in Biology"

**Sunday, May 14**
Humphrey Room, Radisson Hotel Metrodome

9:00 - 9:35 a.m.  David Awschalom, UC Santa Barbara
"Optical Manipulation of Electron and Nuclear Spin States in Semiconductors"

9:35 – 10:10 a.m.  Yoram Alhassid, Yale University
"Interaction Effects on the Conductance Peak Fluctuations in Quantum Dots"

10:10 - 10:40 a.m.  Coffee Break

10:40 – 11:15 a.m.  Yuval Gefen, Institute for Advanced Study, Princeton
"Scrambling of Electrons in Quantum Dots and the Anderson Orthogonality Catastrophe"

11:15 - 11:50 a.m.  Harold Baranger, Duke University
"Kinks in Coulomb-Blockade Peak Positions: Theory and Experiment"