

# Workshop Agenda

	Thursday, January 6, 2004
<b>7:45am</b>	<b>Breakfast and Registration</b> <b>Seminar Lounge, Physics Department</b>
8:45	<i>"Introduction and Hello" Peter Bond, Deputy Director for Science &amp; Technology, BNL</i>
8:55	<i>"Some Remarks" Myron Strongin, BNL</i>
	<b>Session I (J. Valles-Session Chair)</b>
9:05	Jim Evans, Iowa State University and Ames Laboratory <i>"Atomistic Models for Low-Temperature Growth of Epitaxial Metal Films"</i>
9:30	Igor Beloborodov, Argonne National Laboratory <i>"Transport Properties of Granular Metals"</i>
9:55	Richard Barber, Santa Clara University <i>"The Insulating Regime of the Superconductor-Insulator Transition: Negative Magnetoresistance, Negative Electroresistance, and Metallic Behavior"</i>
10:20	Jiufeng Tu, The City College of New York <i>"Optical Conductivity as a Probe of the Nature of Ultra Thin Metal Films"</i>
10:45	<b>Quick Coffee Break</b> <b>Session II (A. Kapitulnik-Session Chair)</b>
10:55	Alexey Bezryadin, University of Illinois at Urbana-Champaign <i>"Superconductor-Insulator Transition in Quasi-One-Dimensional Superconducting Wires"</i>
11:20	Utku Kemiktarak, Boston University <i>"Structure Effects on the Electronic Properties of Nano-Lithographic thin Pb wires"</i>
11:45	Nina Markovic, Johns Hopkins University <i>"Nano-Wires"</i>
<b>12:10pm</b>	<b>Lunch (Physics Lounge)</b>
	<b>Session III (M. Sarachik-Session Chair)</b>
1:05	Vladimir Dobrosavljevic, Florida State University <i>"Quantum Melting of the Wigner Solid and the 2D-MIT"</i>

1:30	Sergey Kravchenko, Northeastern University <i>“Critical Behavior of Spin Susceptibility Near the 2D Metal-Insulator Transition”</i>
1:55	Boris Spivak, University of Washington <i>“Phases Intermediate Between Crystal and Liquid and Metal-Insulator Transition in 2D Electron Liquid”</i>
2:20	Nandini Trivedi, Ohio State University <i>“Can Disorder Induce Metallic Behavior in a Mott Insulator in 2D?”</i>
2:45	Vladimir Butko, Brookhaven National Laboratory <i>“Nano-Film Density of States and Transport”</i>
<b>3:10</b>	<b>Coffee Break (Physics Lounge)</b>
3:35	Phil Adams, Louisiana State University <i>“Spin Mixing in Paramagnetically Limited Superconductors”</i>
4:00	Dan Shahar, Weizmann Institute <i>“Bad Superconductors”</i>
4:25	Michael Gershenson, Rutgers University <i>“Interaction Effects in High Mobility Si Mosfets”</i>
<b>5:00</b>	<b>Wine and Cheese/Poster Session, Berkner Hall</b>
<b>6:00</b>	<b>Dinner Buffet (Berkner Hall)</b>
	Friday, January 7, 2004
<b>7:45am</b>	<b>Breakfast, Seminar Lounge, Physics Department</b>
	<b>Session IV (A. Hebard-Session Chair)</b>
8:45	Matthew Fisher, University of California at Santa Barbara <i>“Quantum Vortex Dynamics Near the B-Field Tuned Superconductor-Insulator Transition”</i>
9:10	Allen Goldman, University of Minnesota <i>“Data on Tuning the SI Transition Electrostatically”</i>
9:35	Aharon Kapitulnik, Stanford University <i>“Superconductivity and Superconductor-Insulator in InOx Films: Vestiges of Superconductivity at very high Fields and the Search for a True SIT”</i>
10:00	Anand Bhattacharya, Argonne National Laboratory <i>“Electrostatic Charging in Ultrathin Manganite Films”</i>
10:25	Dragana Popovic, NHMFL-Florida State University <i>“Slow Dynamics in a Two-Dimensional Electron System in Silicon”</i>

	<b>Quick Coffee Break</b>
10:50	Adriana Moreo, NHMFL-Florida State University <i>“Complexity as a Result of Disorder in Transition Metal Oxides”</i>
11:15	Yoseph Imry, Weizmann Institute, Israel <i>“An Inhomogeneous Josephson Phase Near the (Super) Conductor-Insulator” Transition in Disordered Films”</i>
11:40	Xuan Gao, Los Alamos National Laboratory <i>“Fermi Liquid Interaction Interpretation of the Metallic Transport of Dilute 2D Holes in GaAs: A Critical Examination by the Hall Effect”</i>
<b>12:05</b>	<b>Lunch (Physics Lounge)</b>
	<b>Session V (B. Spivak-Session Chair)</b>
1:00	Robert Soulen, Jr., Naval Research Laboratory <i>“Enhancement of <math>T_c</math> and <math>H_{C2}</math> Near the Metal Insulator Transition”</i>
1:25	Aviad Frydman, Bar Ilan University <i>“The Inverse Proximity Effect in Ultrathin Superconductors”</i>
1:50	Ying Liu, The Pennsylvania State University <i>“Destructive Regime in Superconducting Cylindrical Films”</i>
2:15	Wenhao Wu, University of Rochester <i>“The Superconductor-Insulator Transition in Quench-Condensed Be”</i>
<b>2:40</b>	<b>Coffee Break (Physics Lounge)</b>
2:55	Arthur Hebard, University of Florida <i>“The Interplay of Disorder and Magnetism in Ultrathin Magnetic Films (Fe, Fe/C60, etc.)”</i>
3:20	James Valles, Brown University <i>“Subgap Density of States in Ultrathin Superconductor-Normal Metal Bilayers”</i>
3:45	<b>Summary (A. Goldman and Y. Imry)</b>