MAX-PLANCK-INSTITUT FÜR PHYSIK KOMPLEXER SYSTEME

International workshop on

Novel Physics in Low-Dimensional Electron Systems

Dresden, Germany • July 28 - August 8, 1997

Titles of the talks

Name / Address	Title
Hiroshi AKERA	Magneto Excitons in Unbalanced Double Layers
Raymond ASHOORI	Bunching of Levels and Exchange Effects in Quantum Dots
Sean BARRETT	Optically Pumped Nuclear Magnetic Resonance in the Quantum Hall Regimes
Paul Newman BUTCHER	Thermopower in Low-Dimensional Electron Systems
Sankar DAS SARMA	Quantum Phase Transitions in Low-Dimensional Semiconductor Nanostructures
Supriyo DATTA	Resistance of Molecular Nanostructures
Werner DIETSCHE	Drag between Electronic Bilayer Systems: the Roles of Dispersion, Screening and Spin-Splitting
Marie D'IORIO	The Insulator Transition in $SiGe$ Quantum Wells
Jim EISENSTEIN	New Results in Strongly Correlated Double Layer Systems
Lloyd ENGEL	Microwave Resonances in High B Insulating Phases of Two-Dimensional Electron Systems
Gabriele ERNST	Time-resolved Magnetotransport in the Integer and Fractional QHE Regime
Michael R. GELLER	Mesoscopic Effects in the Chiral Luttinger Liquid
Bennett GOLDBERG	Optical Determination of the Spin Polarization of a Quantum Hall Ferromagnet
Bertrand I. HALPERIN	Problems in a Partially Filled Landau Level
Detlef HEITMANN	Spectroscopy of Quantum Dot Atoms
Jainendra K. JAIN	New Developments in Composite Fermion Theory
Michael D. JOHNSON	Edge Modes in Screened Hall Systems
Anders KARLHEDE	Textured Edges in Quantum Hall Systems
Kathleen KASH	Strain-induced Quantum Dots - Do we really know anything about the band structure? (Th.+Exp.)
Jörg P. KOTTHAUS	Electronic Interactions in Quantum Dots
Leo KOUWENHOVEN	Few Electron Quantum Dots
Igor KUKUSHKIN	Spin Polarization of 2D-Electrons in Different FQHE States and around $\nu = 1$
Daniel LOSS	Mesoscopic Effects in Strongly Correlated Systems
Yurii E. LOZOVIK	1. Phase Diagram and Superfluidity in two-layer System and 2. Coulomb Correlations and Crystallization in Quantum Dots
P. A. MAKSYM	Electronic States of Quantum Dots
Paul McEUEN	Single Electron Transport in Nanocrystals and Nanotubes
Yuli V. NAZAROV	Quantum Phase Transition in Skyrmion Lattice
R. J. NICHOLAS	Spin States in Composite Fermions

Name / Address	Title
Karri NIEMELÄ	Incompresible States in a Narrow Channel
Mikko PAALANEN	Coulomb Blockade and Device Applications
Francois PEETERS	Classical Double Dots Structures (or Physics in nonuniform magnetic fields)
Pekka PIETILÄINEN	Spin Polarizations in Narrow Channels
Aron PINCZUK	Light Scattering Spectroscopy in Low-Dimensional Electron Systems
Annette PLAUT	to be decided
John J. QUINN	Fermi Liquid Theory of Composite Fermion Excitations in Fractional Quantum Hall Systems
Mark REED	1. Transport through 0D Impurity States and 2. Transport in Conjugated Oligomers
Klaus RICHTER	Quantum Chaos in Ballistic Quatum Dots
Ulrich RÖSSLER	Minibands and Magnetotransport in Lateral Superlattices
Andrew SACHRAJDA	The Anti-Dot Molecule from Zero to High Magnetic Fields
R. SHANKAR	Statistical Mechanics of Many Skyrmion Systems
Jürgen SMET	Detection of Composite Fermions in Semiconductor Nanostructures
Shivaji SONDHI	Duality near Quantum Hall Transitions
Seigo TARUCHA	Electron-electron Interactions in Semiconductor Quantum Wires and Quantum Dots
Carlos TEJEDOR	Spin Textures in Quantum Dots
Ryuichi UGAJIN	Correlated Electrons in Coupled Quantum Dots and Related Phenomena
Giovanni VIGNALE	Electronic Spectral Function in Smooth Edges of Quantum Hall Systems
Robert WILLETT	Experiments on Composite Fermions
Amir Yacoby	Transport through Quantum Wires
Daijiro YOSHIOKA	Transport in Separately Contacted double-layer Quantum Hall Systems