

March Meeting 2006

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[V30. Focus Session: Mechanical Properties: Microscale Deformation and Failure](#)
[V31. Nanotubes: Transport](#)
[V33. Focus Session: Social Networks](#)
[V35. Photonic Crystals](#)
[V36. Focus Session: Optical Properties of Carbon Nanotubes and C60](#)
[V38. Superconductivity-Thermodynamics and Structure](#)
[V39. Focus Session: Superconductivity-Theory and Computation III](#)
[V40. Focus Session: Linear Optics Quantum Computation](#)
[V41. Focus Session: Dielectric, Ferroelectric, and Piezoelectric Oxides V](#)
[V42. History and Physics Outreach](#)
[V43. Atomic/Molecular Structure and AMO Processes on Surfaces and in Condensed Matter](#)
[V44. Kondo Physics and Luttinger liquids](#)
[V45. Spin Structure and Phase Transitions: Theory](#)
[V46. Defects and Impurities in Si/Ge](#)
[V47. Spectroscopy and Transport in 2D Semiconductors](#)

[Session W](#)

[W1. ARPES in High Tc Superconductors](#)
[W2. Imaging Charge and Spin and Semiconductors](#)
[W3. Topological Aspects of Electron Transport in Solids](#)
[W4. Carbon Nanotube Dispersions](#)
[W5. A Century of Critical Phenomena](#)
[W6. New Applications of Silicon in Photonics and Biomedicine](#)
[W7. Physics of Cell Elasticity, Interactions and Tissue Formation](#)
[W8. Focus Session: Nonlinear Electrokinetics](#)
[W9. X-ray, Light, and Particle Scattering and Diffraction](#)
[W10. Focus Session: Surfaces and Interfaces in Electronic Materials IV](#)
[W11. Focus Session: Aerosols, Clusters, Droplets: Physics and Chemistry of Nanoobjects VI: Nanocatalysis, Supported Clusters](#)
[W12. Molecules on Surfaces](#)
[W16. Semiconductor Applications](#)
[W18. Focus Session: Carbon Nanotubes: Electronic and Optical Properties III](#)
[W19. Focus Session: Semiconductor Spin Transport: Noise/Theory](#)
[W20. Focus Session: Multiferroics IV](#)
[W21. Liquid Crystals III](#)
[W22. Focus Session: Magnetic Nanoparticles II](#)
[W23. Focus Session: MAG.THY IV / ab initio Studies](#)
[W24. Focus Session: Lithography](#)
[W25. Gels and Networks](#)
[W26. Focus Session: Biological Photophysics](#)
[W28. Focus Session: Ordered Optoelectronic Organics](#)
[W29. Biological Networks and System Biology](#)
[W30. Focus Session: Biopolymers at Interfaces](#)
[W31. Nanotubes: Devices](#)
[W32. Glassy and Amorphous Systems](#)
[W33. Nonequilibrium and Templated Assembly](#)
[W34. Fluid Structure & Properties](#)
[W36. Focus Session: Optical Properties of Nanostructures of Si & GaAs](#)
[W37. Nanoscale Conductance Theory II](#)
[W38. Flux Pinning and Critical Currents](#)
[W39. Superconductivity-Josephson Junctions and Qubits](#)
[W40. Quantum Communication, Cryptography and Computation](#)
[W41. Cold Fusion](#)
[W42. Focus Session: Simulations of Matter at Extreme Conditions III](#)
[W43. Focus Session: Cold Atoms in Optical Lattices](#)
[W45. Spin Structure in Magnetic Materials](#)
[W46. Compound Semiconductor Defects and Dopants](#)
[W47. Quantum Transport in Semiconductors: Theory and Experiment](#)

[Session Y](#)

[Y1. Engineering Biomolecules and Circuits by Rational Design and Genetic Selection](#)
[Y2. Electrostatic Levitation and High Energy X-rays](#)
[Y4. High TMR MgO Tunneling and Spin Momentum Transfer Materials, Physics, and Devices](#)
[Y5. New Functionalities in Glasses and Nanomaterials](#)
[Y6. Is the Hubbard/t-J Model a High Temperature Superconductor?](#)

[Y7. Challenges and Issues in Nanowire Nanodevices](#)
[Y8. General Fluid Dynamics](#)
[Y12. Oxide Surface and Interfaces](#)
[Y16. Optics and Optoelectronics](#)
[Y18. Focus Session: Carbon Nanotubes: Adsorption and Gas Surface Interactions with Carbon Nanotubes](#)
[Y19. Focus Session: Novel Ferromagnetic Semiconductors I](#)
[Y20. Focus Session: Ruddlesden-popper Phase Manganites](#)
[Y22. Focus Session: Coupled Thin-Film Structures for Magnetic Recording](#)
[Y23. Single Molecule Magnets](#)
[Y24. Polymer Melts & Solutions: Structure & Solubility](#)
[Y25. Charged and Ion-Containing Polymers: Computation](#)
[Y26. Focus Session: Physics of Physiological Systems](#)
[Y28. Focus Session: Magnetic and Doping Effects in Conjugated Organics](#)
[Y29. Focus Session: Noise and Fluctuation in Biological Systems](#)
[Y30. Focus Session: Biopolymers I: Phase Transitions](#)
[Y31. Quasicrystals, Adsorption on Quasicrystals, Porous and Random Materials](#)
[Y33. Statistical Physics: Dynamics and Transitions](#)
[Y37. Focus Session: Probing Novel Nanostructures](#)
[Y38. Superconductivity-Vortex Lattices and Pinning Center Arrays](#)
[Y39. Superconductivity-Materials and Processing](#)
[Y40. Solid State Quantum Computing I](#)
[Y45. Magnetic Phase Transitions](#)
[Y46. Bilayers, Wigner Crystals](#)

[Session Z](#)

[Z1. Strong Interaction Effects in Small Conductors](#)
[Z2. Resonant Inelastic X-ray Scattering in Complex Oxides](#)
[Z4. Biopolymers](#)
[Z7. Synchrony and Complexity in Brain Activity and Function](#)
[Z18. Focus Session: Carbon Nanotubes: Double Wall Nanotubes, Sheets and Chains](#)
[Z19. Focus Session: Spin Dynamics in Quantum Dots](#)
[Z20. Focus Session: Novel Ferromagnetic Semiconductors II](#)
[Z22. Focus Session: FePt Nanoparticles for Information Storage](#)
[Z23. Strongly Correlated Electrons II](#)
[Z24. Polymer Melts & Solutions: Rheology & Dynamics](#)
[Z25. Molecular Dynamics: Theory and Simulation](#)
[Z26. Radiation Therapy and Medical Imaging Techniques](#)
[Z28. Methods of Statistical Physics, Population Dynamics and Epidemiology](#)
[Z31. Complexed Structured Materials, Glasses and Clathrates](#)
[Z33. Statistical and Nonlinear Physics](#)
[Z37. Focus Session: Nanoscale Conductance Theory III](#)
[Z38. High Tc Cuprates: ARPES](#)
[Z39. Focus Session: Superconductivity-Theory and Computations \(Mostly Phonons\)](#)
[Z40. Solid State Quantum Computing II](#)
[Z45. Mostly Spinels](#)
[Z46. 2D Multi-Valley Systems: QHE Experiment](#)