

March Meeting 2007

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[V33. Quantum Cryptography and Quantum Communication II](#)
[V34. Focus Session: Nonlinear Dynamics of Neuronal Systems](#)
[V35. DNA/RNA in Vitro](#)
[V38. Focus Session: Instrumentation and Metrology for Fundamental Physics](#)
[V39. Focus Session: Negative Differential Resistance I](#)
[V40. FQHE: \$\nu=5/2\$, Topological Quantum Computing](#)
[V42. Metal Oxides: Growth, Structure, Interfaces](#)
[V43. Electronic Properties in Nanostructures](#)
[V44. Focus Session: Plasmons in Nanoholes, Arrays and Structured Surfaces](#)

[Session W](#)

[W1. Quantum Coherence in Superconducting Devices](#)
[W2. Molecular Motors \(Biophysical Society Symposium\)](#)
[W3. Magnetotransport in Organic Conductors and Semiconductors](#)
[W4. Computational Challenges in Simulations of Macromolecular Assemblies](#)
[W5. Crystallography Without Crystals](#)
[W6. Keithley Award](#)
[W7. Novel Phenomena in Quantum Fluid He-3](#)
[W8. Superconductivity Theory: Phonons and Other Mechanisms](#)
[W9. Superconductivity: Optical and Raman Spectroscopy](#)
[W11. Low-dimensional Systems: Theory](#)
[W12. Focus Session: Spin Dependent Tunneling II](#)
[W13. Focus Session: Thin Films and Superlattices](#)
[W14. Focus Session: Nanomagnetic Oxides](#)
[W15. Magnetic Cooperative Phenomena](#)
[W16. Focus Session: Theory of Magnetism: Traditional and Novel Magnets](#)
[W17. Dynamics and Glass Transition Phenomena in Thin Polymer Films](#)
[W18. Theoretical Methods and Algorithms](#)
[W19. Ultrafast Dynamics using X-rays and Electrons](#)
[W21. General Theory: Electronic Structure and Interactions](#)
[W22. Applications to Networks and Organized Systems](#)
[W23. Metals: Alloys and Compounds](#)
[W24. Microphysical Properties of Block Copolymer Aggregates, Going Beyond Structure](#)
[W25. Polymer Melts and Solutions](#)
[W26. Focus Session: Charge Transport in Nanostructures III](#)
[W27. Focus Session: Computational Nanoscience IX - Nanowire, Rods & SAMs](#)
[W28. Focus Session: Carbon Nanotubes: Transport and Thin Films](#)
[W29. Focus Session: Graphene V](#)
[W30. Pattern Formation and Nonlinear Dynamics](#)
[W31. Nano-tubes, Wires, and Dots: Optical and Raman Experiments](#)
[W32. Bose-Einstein Condensation in Trapped Atomic Gases](#)
[W33. Quantum Entanglement](#)
[W34. Biological Physics and Bacterial Behaviors](#)
[W35. Dynamic Forces at Cell and Subcell Levels](#)
[W38. Focus Session: Negative Index Materials: Concepts to Applications II](#)
[W39. Focus Session: Negative Differential Resistance II](#)
[W40. Magnetotransport in 2DEGs](#)
[W42. Liquids and Tribology](#)
[W43. Coupled 2D and Multiple Quantum Dot Systems](#)
[W44. Focus Session: Nanoscale Transport - Mostly Quantum Dots](#)

[Session X](#)

[X1. Magnetic Field Driven Quantum Phase Transitions](#)
[X2. Understanding DNA and RNA machines](#)
[X3. DNA Organization within Chromosomes](#)
[X4. Quantum Order in Chiral Magnets](#)
[X5. Elasticity of Biological Membranes: From Physical Principles to Biological Processes](#)
[X6. Networks in Genetic Regulation](#)
[X7. Computational Nonequilibrium Many-body Physics: From Classical to Quantum Simulation](#)
[X8. Focus Session: Novel Superconductors VII: Triplet Pairing and Time Reversal Symmetry Breaking](#)
[X9. Superconductivity: Electronic Transport Measurements of Copper Oxide Superconductors](#)
[X12. Focus Session: Anomalous Hall Effect and Spin Orbit Coupling](#)
[X13. Focus Session: Layered Manganites](#)
[X14. Focus Session: Spin-Polarized Transport](#)
[X17. Structure and Dynamics of Polymer Films](#)
[X18. Biopolymers II: Simulations](#)
[X19. Surfaces, Interfaces, and Colloids II](#)
[X21. General Theory](#)
[X22. Focus Session: Deformation and Fracture](#)
[X24. Conducting Polymers and Devices](#)
[X25. Liquid Crystalline And Amorphous Polymers](#)
[X26. Focus Session: Charge Transport in Nanostructures IV](#)
[X27. Nanowires](#)
[X31. Synthesis of Nanotubes and Nanowires](#)
[X32. Quasi-One-Dimensional Quantum Gases](#)
[X33. Focus Session: Quantum Information at the AMO/Condensed-Matter Interface](#)

[X34. Shape Changes in Biological Membranes](#)
[X35. Focus Session: Nucleic Acid Protein Interaction](#)
[X38. Focus Session: Negative Index Materials: Concepts to Applications III](#)
[X39. Focus Session: Physics & Technology of III-V Semiconductors in Infrared & THz Imaging I](#)
[X40. QHE: Antidots and Bilayers Systems](#)
[X41. Semiconductors: Electronic and Optical Properties](#)
[X43. Electronic and Spin Properties of Quantum Dots and Quantum Point Contacts](#)
[X44. Focus Session: Nanoscale Transport - Molecules III](#)

[Session Y](#)

[Y1. Fractional Quantum Hall Effect: Spin Effects and Broken-translational-symmetry States](#)
[Y2. Collective Motions of Living and Nonliving Self-Propelled Particles](#)
[Y3. Exotic electronic structures of complex materials and phases](#)
[Y4. Assembly and Organization in Polymeric Systems](#)
[Y5. Fluctuating Random Solids and their universal properties](#)
[Y6. Towards Medium Temperature Proton Conductors for Fuel Cell Applications](#)
[Y7. Nonequilibrium Thermodynamics](#)
[Y8. Superconductivity: Theory](#)
[Y9. Superconductivity: Josephson Junctions, Proximity Effect & Squids II](#)
[Y12. Focus Session: Spin Relaxation and Dynamics](#)
[Y13. Focus Session: Charge/Orbital Order in Complex Oxides](#)
[Y14. Focus Session: Magnetic Nanostructures II](#)
[Y17. Focus Session: Multiscale Modeling in Polymeric Materials](#)
[Y18. Polymer Blends](#)
[Y19. Surfaces, Interfaces, and Colloids III](#)
[Y26. Focus Session: Charge Transport in Nanostructures V](#)
[Y27. Nanowire Sensors and Oscillators](#)
[Y31. Synthesis, Growth and Processing of Complex Materials](#)
[Y32. Mott Phases and Novel Quantum Systems](#)
[Y33. Decoherence and Quantum Control](#)
[Y34. Properties of Biological Membranes](#)
[Y35. DNA/RNA in vivo](#)
[Y38. Focus Session: Emerging Research Devices and Materials for the Microelectronics Industry III](#)
[Y39. Focus Session: Physics & Technology of III-V Semiconductors in Infrared & THz Imaging II](#)
[Y40. Semiconductor Spectroscopy](#)