



APS heads to the Big Easy for annual March Meeting

New Orleans is the location for this year's American Physical Society annual March Meeting. The meeting runs from Monday, 10 March, through Friday, 14 March, with presessions scheduled for Saturday and Sunday, 8–9 March. The scientific sessions will be held at the Ernest N. Morial Convention Center. More than 90 invited sessions and 550 contributed sessions are planned. Some 20 categories have been created to organize the approximately 7000 scientific papers submitted for the conference. In addition, APS and the Minerals, Metals, and Materials Society will be holding overlapping technical conferences in the convention center 9–12 March, centering on integrated computational materials engineering.

Tutorials, workshops, receptions, and a job fair are also among this year's offerings. All nontechnical APS-sponsored and satellite meetings will take place at the headquarters hotel—the New Orleans Marriott on Canal Street, which is within walking distance of the French Quarter. At a companions' breakfast, Monday, 10 March, attendees' families and companions can learn about the city's attractions from a representative of the New Orleans Convention and Visitors Bureau.

Before the meeting begins, participants can attend a two-day Division of Polymer Physics short course, scheduled for 8:00am–5:00pm, Saturday and Sunday, 8–9 March. Titled “High-Throughput Approaches to Polymer Physics and Materials Science,” the course will center on techniques and instrumentation

as well as on applications to research.

Sunday, 9 March, features two all-day scientific workshops. The Fifth APS Workshop on Opportunities in Biological Physics revolves around biomechanics and genetic networks. During the Workshop on Opportunities in Energy Research, participants will discuss the dual challenges of meeting the nation's energy needs and protecting the environment.

Also on Sunday, a series of eight half-day tutorials are planned on such subjects as density functional theory, spintronics, and quantum entanglement. Annette Naake Sisco, an editor of the *New Orleans Times-Picayune*, will lead a Sunday afternoon workshop on op-ed writing. A professional skills development workshop aimed especially at women physicists is scheduled for 8:00am–5:00pm, during which participants will work on their communication and leadership skills; a reception follows the workshop. On Sunday evening, from 5:00 to 8:00pm, a free career workshop will help participants improve their networking skills, résumés, and interview techniques.

A special symposium, “25 Years of Scanning Probe Microscopy,” will be held on Monday, 10 March, from 8:00 to 10:00pm. The speakers are Don Eigler from IBM, who will cover classical computation in quantum nanostructures; Roland Wiesendanger from the University of Hamburg, who will talk about atomic-scale scanning probe microscopy; and Sergei Sheiko of the University of North Carolina, who will discuss polymer properties.

Join the journal editors from APS and the American Institute of Physics on Tuesday, 11 March, from 6:30 to 8:30pm, to celebrate 50 years of publication of *Physical Review Letters*. From Monday through Wednesday, 10:00am–5:00pm, editors from several APS journals, including *Physical Review Letters* and *Reviews of Modern Physics*, will be stationed at the APS Exhibit Booth to discuss the editorial process. For authors and referees, a tutorial led by editors from *Physical Review Letters* and *Physical Review* will be held on Wednesday, 12 March, from 9:00 to 10:30am.

A special symposium, “From Quarks to Cosmos: Breaking News at the Interface of Particle, Nuclear, and Astrophysics,” is scheduled for Wednesday, 12 March, 7:30–9:30pm. Principal speakers will be Joe Lykken from Fermilab, Michael Turner from the University of Chicago, and Michael Wiescher from the University of Notre Dame.

A number of social activities have been planned throughout the week. On Monday, 10 March, the annual awards program will take place from 5:30 to 6:30pm in the convention center, followed by a welcome reception. A networking breakfast for women physicists in industry, cosponsored by the Committee on the Status of Women in Physics and the Forum on Industrial and Applied Physics, is scheduled for Tuesday, 11 March. Alumni reunions will be held on Tuesday, 6:00–8:00pm, as will a student reception, 5:30–6:30pm, sponsored by APS and the Forum on Graduate Student Affairs. Tuesday evening will be topped off with

the third annual Physics Sing-Along, from 8:30 to 9:30pm. On Wednesday, 12 March, 1:00–2:30pm, students can enjoy a complimentary box lunch while participating in one of several discussions on various topics; each group will be led by an expert.

The annual APS Job Fair will once again provide space for job seekers and prospective employers to meet. The job fair is being organized by the American Institute of Physics Career Network and runs 10–11 March, 10:00am–5:00pm. The exhibit show,

which will offer information on physics-related products and services, is slated for 10–13 March.

For the most up-to-date information on the March Meeting, go to <http://www.aps.org/meetings/march/index.cfm>.

Sessions with invited speakers

Monday, 10 March

morning

DCMP: Spectroscopy of Two-Dimensional Electronic Systems. *Hawrylak, Gallais, Dial, Eaves*
 DCMP: New Developments in High-Temperature Superconductors I. *Varma, Schemm, Giamarchi, Sonier, Mook*
 DCOMP: Frontiers in Computational Materials. *Scheffler, Savrasov, Neaton, Ozolins, Srolovitz*
 DPOLY: Polymers at Surfaces: Adhesion, Tribology, and Patterning. *Genzer, Dhinojwala, Messersmith, Kumacheva, Crosby*
 DCMP: Supersolid ^4He : A New State of Matter. *Lin, Rittner, Aoki, Prokof'ev, Anderson*
 FIAP: Novel Channel Materials for CMOS Technology. *Passlack, McIntyre, Weber, Kummel, Fischetti*
 DBP/GSNP: Oscillations Without Transcription in Vivo and in Vitro. *Lubensky, Emberly, Kollmann, Mihalcescu, Campas*
 DFD/DBP: Fluid Dynamics of Animal Motion. *Dabiri*
 DMP: MgB_2 -like: Exotic Behavior in MgB_2 -like Materials. *Blumberg*
 DCOMP/GSCCM: Simulations of Matter at Extreme Conditions I: Hydrogen, Helium, and Planetary Materials. *Ceperley*
 GQI/DAMOP: Quantum Simulation of Condensed-Matter Systems with Ultracold Atoms. *Altman*
 DCOMP/DMP/GMAG: Theory of Magnetization Dynamics. *Duine*
 DPOLY/DCOMP/DBP: Multiscale Modeling: Polymers, Nanocomposites, and Biomacromolecules. *Grest*
 DMP: Quantum Dots and Semiconductor Surface Nanostructures. *Tersoff*
 DPOLY/DBP: Reversibly Associating Polymers: Theory and Experiments. *Anthamatten*
 DPOLY: Hybrid Organic-Inorganic Nanomaterials I: Patterning and Self Assembly. *Watkins*
 DMP/GMAG: Manganites I. *Cox*
 DMP: Transport in Nanostructures I: STM and Atomic Control. *Komori*
 DCP: Photophysics of Cold Molecules I. *Stienkemeier, Whaley*
 GMAG: Pyrochlores. *Mirebeau, Broholm*
 DMP: Optical Properties of Nanostructures I: Carbon Nanotubes. *Heinz, Louie, Maruyama, Avouris*
 DMP: Carbon Nanotubes and Related Materials I: Graphene Transport. *Novoselov*
 DMP/GMAG: Oxide Interfaces I. *Hilgenkamp*
 DMP/GMAG/FIAP: Spin-Dependent Phenomena in Semiconductors I. *Jamet*
 FIAP: Negative Index Materials I. *Bratkovsky*
 GIMS: X-ray and Electron Optics and Microscopy. *Yun*
 DBP/DMP: Biocompatibility. *Ratner, Lyu*
 GSNP: Elasticity and Geometry of Thin Objects. *Boudaoud*

midday

DCMP: Strongly Correlated Electrons in One Dimension. *Levitov, Auslaender, Deshpande, Fiete, Matveev*
 GMAG: Magnetism in Semiconductors: New Frontiers. *Burch, Crowell, Wang, Dubon*
 FIAP: Silicon Photonics. *Paniccia, Lipson, Vlasov, Asghari, Mekis*
 DPOLY: Self-Assembled Macromolecular Structures. *Savin, Karim, Moeller, Ober, Nealey*
 DCMP: Geometry and Elasticity. *Witten, Vitelli, Mahadevan, Roman*
 GQI/DAMOP: Quantum Simulation and Quantum Information Theory in Cold Atoms. *Schollwoeck, Polkovnikov, Deutsch, Weiss, Holland*
 DBP/GSNP: Gene Regulation. *Block, Morozov, Ruckenstein, Tkacik, Widom*
 DPOLY/FIAP: Mechanical Properties of Polymers: Fracture and Adhesion. *Shull, Thoules*
 DCP: Clusters, Cluster Assemblies, Nanoscale Materials I. *Landman, Wang, Nakajima*
 DMP/DPOLY: Organic Electronics: FETs I. *Bao*
 DMP: Transport in Nanostructures II: Strong Correlations. *Finkelstein, Sela*
 DCP: Photophysics of Cold Molecules II. *Meijer, DeMille, Naegerl*
 GMAG: Molecular Magnets I. *Enders*
 DMP: Carbon Nanotubes and Related Materials II: Graphene Transport. *Fuhrer*
 DMP: Carbon Nanotubes and Related Materials III: Synthesis. *Endo*
 DMP/DCOMP: Computational Nanoscience I: Electronic and Optical Properties of Nanoclusters. *Idrobo*
 GMAG/DMP: Nanocontacts and Inhomogeneous Magnetic States. *Tsymbal, Compton*
 FIAP/DMP: Emerging Materials and Devices I. *Bourianoff*
 GIMS: Advances in Scanned Probe Microscopy I: Low Temperatures. *Wiebe*

GSNP/DFD: Collective Dynamics of Self-Driven Particles. *Marchetti*

afternoon

DCOMP: Fundamental Developments in Density Functional Theory. *Kohn, Gross, Parr, Cohen, Perdew*
 DCMP: New Developments in High-Temperature Superconductors II. *Reznik, Mesot, Proust, Harrison, Hussey*
 DMP: Materials Physics in the Fast Lane. *Falco, Leslie-Pelecky, Tobin, Wood, Kakalias*
 DCMP: Probing Spin and Charge States in Semiconductor Quantum Dots and "Molecules." *Doty, Burkard, Berezovsky, Sham*
 DCMP/GQI: Circuit QED: Superconducting Qubits Coupled to Cavities. *Blais, Sillanpaa, Majer, Nakamura, Neeley*
 FIAP/DPOLY: Long-Distance Charge Transfer in Biological Systems. *Beratan, Winkler, Stuchebrukhov, Newlon, Aubry*
 GSNP/DBP: Locomotion in Complex Fluids. *Lauga, Fu, Fauci, Hu, Goldman*
 DFD/GSNP: Granular Flows: Vibrated. *Shattuck*
 DFD: Turbulence. *Xu*
 DMP: Hybrid Magnetic-Superconducting Systems I. *Tanaka*
 GQI: Foundations of Quantum Theory I. *Gadway, Jordan*
 DBP: Time-Resolved Structural Investigations on Protein Folding and Function. *Rousseau, Zhong*
 DMP: Dopants and Defects in Semiconductors I. *Beck*
 GMAG: Growth and Properties of Novel Semiconductor and Related Nanostructures. *Legally*
 DCP: Clusters, Cluster Assemblies, Nanoscale Materials II. *Castleman, Baruah, Reber*
 DMP/DPOLY: Organic Electronics: Synthesis and Materials. *Galvin*
 DMP/GMAG: Triangular Lattice and Spins. *Coldea*
 DCP: Photophysics of Cold Molecules III. *Momose, Boninsegni*
 DMP: Transport in Nanostructures III: Single Molecules. *Quek*
 DMP: Carbon Nanotubes and Related Materials IV: Graphene. *Zhou*
 DMP: Carbon Nanotubes and Related Materials V: Nanotube Transport. *Hone*
 DMP/DCOMP: Computational Nanoscience II: Nanowires and Transport. *Wu*
 GMAG/DMP/FIAP: Spin Transfer Torque I. *Slavin*
 DMP/GMAG/FIAP: Spin-Dependent Phenomena in Semiconductors III. *Ieda, Cywinski*
 FIAP: Negative Index Materials II. *Zhang*
 DMP/FIAP: Hydrogen Storage I: Chemical Hydride and Complex Metal Hydride Materials I. *Vajo*
 GSNP: Econophysics and Applications Outside of Physics. *Stanley*

Abbreviations preceding each entry denote the sponsoring committee (c), division (d), forum (f), or topical group (g):

COM: Minorities in Physics (c)
 CSWP: Status of Women in Physics (c)
 DAMOP: Atomic, Molecular, and Optical Physics (d)
 DBP: Biological Physics (d)
 DCMP: Condensed-Matter Physics (d)
 DCOMP: Computational Physics (d)
 DCP: Chemical Physics (d)
 DFD: Fluid Dynamics (d)
 DMP: Materials Physics (d)
 DPOLY: Polymer Physics (d)
 FED: Education (f)
 FGSA: Graduate Student Affairs (f)
 FHP: History of Physics (f)
 FIAP: Industrial and Applied Physics (f)
 FIP: International Physics (f)
 FPS: Physics and Society (f)
 GIMS: Instrument and Measurement Science (g)
 GMAG: Magnetism and Its Applications (g)
 GQI: Quantum Information (g)
 GSCCM: Shock Compression of Condensed Matter (g)
 GSNP: Statistical and Nonlinear Physics (g)

evening

APS: 25 Years of Scanning Probe Microscopy. *Eigler, Wiesendanger, Sheiko*

Tuesday, 11 March

morning

DCMP: Single-Ion Magnetic Moments in Semiconductors. *Tang, Yazdani, Myers, Yakunin*
DCMP: New Developments in High-Temperature Superconductors III. *Kivelson, Lee, Millis, Schmalian*
DPOLY: Polymer Physics Prize. *Schweizer, Curro, Zukoski, Yethiraj, Binder*
DMP: Selected Applications Using Materials Science. *Devreese, Scott, Delsing, Trogler, Ceder*
DCMP: $\text{CeMn}_2[115]$ Heavy Electron Materials: A Rosetta Stone for the Kondo Lattice? *Allen, Haule, Park, Yang*
FPS: Understanding Hurricanes and Severe Storms: Patterns, Prediction and Mitigation. *Holland, Brooks, Resio, Dean*
DBP/DPOLY: Complex Active Biomaterials: Mechanics and Microrheology. *Schmidt, MacKintosh, Bausch, Levine, Brangwynne*
DFD: Glassy Dynamics in Colloids. *Mattsson*
DMP: MgB_2 -like: Computational Design of Novel Superconductors. *Tse*
DCOMP/GSCCM: Simulations of Matter at Extreme Conditions III: Classical MD, Potentials, and Energetic Materials. *Ravelo*
GQI: Superconducting Qubits I. *Nori*
DBP/DFD: Biochip Physics I. *Haab, Haes*
DMP: Assembly of Nanowires and Related Structures. *Snijders*
DCP: Clusters, Cluster Assemblies, Nanoscale Materials III. *Bucher, Eriksson, Johnson*
DMP: Probing and Modifying Materials with Lasers I. *Dlott*
DCP: Photophysics of Cold Molecules IV. *Wester, Ye, Jäger*
DMP: Carbon Nanotubes and Related Materials VI: Transport in Graphene. *Kim*
DMP/DCOMP: Computational Nanoscience III: Ferroelectrics, Surfaces, and Water. *Ponomareva*
GMAG/DMP: Magnetic Imaging. *Krause*
GMAG/FIAP/DMP: Optical Properties of Magnetic Semiconductors. *Efros*
FIAP: Negative Index Materials III. *Zayats*
GIMS: Advances in Scanned Probe Microscopy II: Force Methods. *Hug*
DMP/DCOMP: Earth and Planetary Materials I. *Crowhurst*

midday

DCMP/FIAP/DMP: Pake Prize, McGrody Prizes, Buckley Prize. *Dresselhaus, Phillips, Hebard, Haddon, Akimitsu*
FHP: 50th Anniversary of *Physical Review Letters*. *Hebboul, Stanley, Cohen, Slichter, Sandweiss*
DCMP: Kondo Screening and Quantum Criticality from the Spatial Limit: From Single Spins to Droplets to Lattices. *Heinrich, Manoharan, Morr, Saunders, Pepin*
FIP: Making the Invisible Scientist Visible. *Erzan, Murthy, Narayanamurti, Cheetham, Olvera de la Cruz*
CSWP/FGSA: Where Is the Center of Mass for Family, Career, and Self? *Dubey, Amador Kane, Horton, Markovic*
DCOMP: Effective Potentials and Force Fields for Simulating Biological Macromolecules. *Cheatham, MacKerell, Gallicchio, Simmerling, Roitberg*
FED: Undergraduate Nanotechnology and Materials Physics Education I. *Chang, Zenner, Collett, Goodchild, Haldar*
DMP: MgB_2 -like: Novel Non-Boride Superconductors. *Taguchi*
DAMOP: Berezinskii-Kosterlitz-Thouless Regime and Rotating Quantum Gases. *Hadzibabic*
DBP/DFD: Biochip Physics II. *Sonnleitner, Hong*
DBP/DMP: General Biological Patterns. *Forgács, Farge*
FED: How to Develop an Education Component for an NSF Proposal. *Ruchti*
DCP: Clusters, Cluster Assemblies, Nanoscale Materials IV. *Schatz*
DMP/GMAG: Cuprates and Nickelates. *Davis*
DPOLY/DBP: Biopolymers: Molecules, Solutions, and Networks I. *Xu*
DCP: Quantum Control I. *Gerber, Roland, Motzkus*
DMP: Carbon Nanotubes and Related Materials VII: Electronic Properties. *Peres*
DMP/DCOMP: Computational Nanoscience IV: Nanocrystals. *Galli*
GMAG/DMP/FIAP: Damping and Spin Relaxation. *Gilmore*
FIAP/DMP: Emerging Materials and Devices II. *Scherer*
DMP: Materials for Photovoltaics and Photocatalysis I. *Henderson*
DMP/GSNP: Friction and Contact. *Fineberg*
DMP/DCOMP: Earth and Planetary Materials II. *Brodholt*

afternoon

APS/DAMOP: Nobel Prize Session Followed by Onsager Prize Session. *Fert, Gruenberg, Pethick, Baym, Ho*
DCMP/DMP: The Physics of Next-Generation Photovoltaics. *Taylor, Luque, Krutz, Grätzel*
DFD: The Physics of Climate and Climate Change. *Rothman, Marston, Bracco, Provenzale, Griffies*
DCMP: Bosonic Modes in High-Temperature Superconductors. *Madhavan, Timusk, Pasupathy, Sacuto*
DCMP: Phase Transitions in Disordered Magnets. *Schechter, Silevitch, Barbara, Moore, Young*
COM: Minorities in Condensed-Matter Physics. *Derosa, Daniels-Race, McGuire, Bagayoko, Dobbins*
DBP/GSNP: Multiscale Phenomena in Biological Physics. *Klein, Chu, Ma, Wang, Roux*

DMP: Electronic and Vortex Mechanisms for Higher Performing Superconductors. *Gurevich, Civalé*
GQI: Foundations of Quantum Theory II. *Barrett, Leifer*
GQI: Progress Toward Scalable Quantum Information Processing. *Molmer, Kwiat*
DBP: Brownian Motors. *Nemenman, Astumian*
DPOLY: John H. Dillon Medal Symposium. *Dalnoki-Veress*
DMP: Dopants and Defects in Semiconductors II. *Thewalt*
DMP: Self-Assembled Organic Overlayers. *De Feyter*
DMP: Probing and Modifying Materials with Lasers II. *Juodkazis*
DMP: Transport in Nanostructures IV: 2DES, Dots, and QPCs. *Moore*
DCP: Quantum Control II. *Rabitz, Seideman, Stollow, Tannor*
DMP: Carbon Nanotubes and Related Materials VIII: Electronic Structure of Graphene. *Ohta*
GMAG/DMP/FIAP: Spin Transfer Torque II. *Houssameddine*
GMAG/FIAP/DMP: Spins in Quantum Dots. *Doty*
DMP/FIAP: Hydrogen Storage II: Chemical Hydride and Complex Metal Hydride Materials II. *Van de Walle*
GSNP/DMP: Deformation and Fracture. *Duxbury*

Wednesday, 12 March

morning

DCMP: Is There Pairing Glue in Cuprate Superconductors? *Scalapino, Kotliar, News, Randeria, Imada*
DCMP: Controlling Electron Spins: Propagation and Dynamics. *Bernevig, Koralek, Crooker*
DPOLY: Simple Views on Bulk Polymers: Symposium Honoring P. G. de Gennes. *Pincus, Colby, Leibler, Daoud, Warner*
GSNP: Fluctuations and Rare Events in Physical, Chemical, and Biological Systems. *Kamenev, Jhe, Chan, Meerson, Newman*
GQI: Quantum Information Meets Gravitation. *Bacon, Preskill, Fuentes-Schuller, Alsing, Markopoulou*
DFD: Fluid Dynamics and Biology. *Wolgemuth, Hosoi, Saintillan, Stocker, Alben*
DAMOP: Optical Lattices. *Hecker Denschlag, Miller, Bloch, Rey, Ospelkaus*
DMP: MgB_2 -like: Disorder in Novel Superconductors. *Voyle*
FIAP: High-Bandwidth Dynamic Atomic Force Microscopy. *Salzberg, Fernandez, Hansma, Degertekin, Ando*
GQI: Superconducting Qubits II. *Lupascu*
DBP/DPOLY/DFD: Cytoskeletal Dynamics and Cell Motility I. *Carlsson*
DAMOP: Engineering Interfaces for New Materials I: Internal Interfaces. *Seidman*
DCP: Fundamental Issues in Catalysis I. *Somorjai, Goodman, Freund, Neurock*
DMP/DPOLY: Organic Electronics: FETs II. *Gundlach*
DMP/GMAG: Multifunctional Oxides: BiFeO_3 and Thin Films. *Eom*
DPOLY/DBP: DNA and Protein Analysis with Micro and Nano Fluidics. *Austin*
DCP: Quantum Control III. *Wolf, Wöste, Zanni*
GMAG: Low-Dimensional Magnetism. *Wu, Wu*
DMP: Carbon Nanotubes and Related Materials IX: Graphene Electronic Structure. *Falko*
DMP/DCOMP: Computational Nanoscience V: Mechanical Properties and General Methods. *Bringa*
GMAG/FIAP: Magnetic Media and Hard Magnetic Materials. *Zeng, Suess*
GMAG/FIAP/DMP: Mostly Spin Injection in Silicon. *Jonker, Appelbaum*
DMP: Materials for Photovoltaics and Photocatalysis II. *Bett, Prezhd*
GIMS: X-ray and Neutron Instrumentation and Science. *Abernathy*

midday

DCMP: Ballistic Charge and Spin Transport in Graphene. *Van Wees, Morpurgo, Lav, Titov*
DBP/DMP: The Physics of Self-Assembled Protein Cages. *Knobler, Zlotnick, Hagan, Bruinsma, Muthukumar*
DPOLY: Simple Views on Polymer Dynamics: Symposium Honoring P. G. de Gennes. *Higgins, Shaqfeh, Graessley, Rubinstein, Klein*
DCMP: Pairing Fluctuations Near the Superconductor-Insulator Transition. *Armitage, Mueller, Behnia, Vishwanath*
GMAG: Artificial and Tunable Realizations of Spin Systems. *Schiffer, Cumings, Moller, Reichhardt, Lewenstein*
FED: Undergraduate Nanotechnology and Materials Physics Education II. *Allen, Salamo, Hughes, Dubson, Tate*
DFD: DNA and Biofluid Analysis with Micro and Nano Fluidic Devices. *Muller*
DMP: Hybrid Magnetic-Superconducting Systems II. *Millo*
DCMP: Hidden Order and Heavy Fermions. *Matsuda*
DMP: Semiconductor Qubit Approaches I. *Simmons*
DBP/DPOLY/DFD: Cytoskeletal Dynamics and Cell Motility II. *Fabry*
DBP: Hydrophobic Interactions at Multiple Scales in Biology. *Truskett, Ashbaugh, Pettitt, Garde*
DCP: Fundamental Issues in Catalysis II. *Wieckowski, Diebold, Tysse*
DPOLY: New Methods in Polymer Physics. *Fasolka*
DMP/FIAP: Thermoelectricity in Bulk Materials. *Shastry*
DCMP: Carbon Nanotubes and Related Materials X: p-n Junctions and Mesoscopic Effects in Graphene. *Marcus*
GMAG/FIAP/DMP: Spin Polarization in Compound Semiconductors. *Adagideli*
FIAP/DMP: Emerging Materials and Devices III. *Horstmann*
GIMS: Advances in Scanned Probe Microscopy III: Force Methods. *Schwarz*
DCMP: Ferroelectric Films and Finite Size Effects. *Lichte*
GSNP: Models and Materials Far from Equilibrium. *van Wijland*

afternoon

DCMP: Diamond-Based Quantum Information Processing. *Hanson, Lukin, Prawer, Santori, Wrachtrup*
FIAP: Can Power Dissipation in a Switch Be Significantly Lowered? *Yablonovitch, Salahuddin, Bjork, Baldo, Appenzeller*
GSPN: Aging, Shear, and Rejuvenation: Mechanics of Glasses, Colloids, and Granular Matter. *Liu, Falk, Weeks, Rottler, Daniels*
GIMS: Keithley Award Symposium. *Wannberg, Campuzano, Dessau, Shen*
DCMP: Theory of Orbital Magnetization and Related Properties. *Shi, Souza, Thonhauser, Ceresoli, Sharma*
DCMP: Superfluid Density in Underdoped Cuprates. *Lemberger, Broun, Georges, Todadri*
FGSA: Panel Discussion: Nontraditional Careers for Physicists. *Engel, Antonoyiannakis, Ucko, Wood-Black, Santori, Gronemeyer*
DCOMP/DCP: Frontiers in Electronic Structure Theory I. *Ambrosch-Draxl*
DBP: General Techniques and Radiation Therapies in Biological Physics. *Detorrie, Palta, McDonough*
DMP: Dopants and Defects in Semiconductors III. *Ramdas*
DMP: Engineering Interfaces for New Materials III: Heterogeneous Interfaces. *Rühle*
DCP: Fundamental Issues in Catalysis III. *Overbury, Hayden, Zaera*
DMP/DPOLY: Organic Electronics: Contacts and Interfaces. *Kahn, Li*
DMP/GMAG: Nanostructured Oxides and Thin Films. *Raychaudhuri*
DCP: Advances in Atmospheric Aerosol Science I. *Worsnop, Donahue, Shepson*
GMAG/DMP: Magnetic Nanowires and Nanodots II. *Hirjibehedin*
DMP: Carbon Nanotubes and Related Materials XI: Optical Spectroscopy. *Cronin*
GMAG/DMP/FIAP: Magnetic Tunneling. *Heiliger*
DMP/FIAP: Hydrogen Storage III: Novel Porous and Sorbent Materials. *Brown*
GSCCM: Town Hall Meeting: Materials Physics at Gigabar Pressures. *Stevenson, Jeanloz, Martin*

evening

APS: Quarks to Cosmos: Breaking News at the Interface of Particle, Nuclear, and Astrophysics. *Turner, Lykken, Wiescher*

Thursday, 13 March

morning

DCMP/DMP: Isakson Prize, Adler Award Talk, Nicholson Medal Talk. *Feigenbaum, Orenstein, Vardeny, Rabe, Landau*
DCMP: Electron Nematics. *Ando, Kim, Mackenzie, Kee, Buyers*
DPOLY: Simple Views on Polymers at Surfaces and Interfaces: Symposium Honoring P. G. de Gennes. *Joanny, Zhulina, Brown, Léger, Brochard-Wyart*
DCMP: Interferometry in the Quantum Hall Regime. *Goldman, Rosenow, Kang, Shtengel*
FIAP: Epitaxial Oxide/Semiconductor Systems. *Ahn, Fompeyrine, Sai, Salvador, Zaslavsky*
DCOMP: Computational and Theoretical Challenges in Predicting Climate Change. *Ramaswamy, Soden, Santer, Ghil*
FED: Physics Demonstrations and Strategies for Teaching and Public Outreach. *Crone, Akundi, Collins, Thacker, McGuire*
DMP: MgB₂-like: Enhancement of Superconducting Properties. *Wen*
DCOMP/DCP: Frontiers in Electronic Structure Theory II. *Cooper, D'Agosta, Wasserman*
DAMOP: Exotic Phases in Ultracold Fermi Gases. *Yip*
GQI: Open Quantum Systems and Decoherence. *Vandersypen*
DBP: Medical Physics and Radiation Biology. *Williamson, Hall, Gueye*
GSPN/DPOLY: Polymer Collapse and Protein Folding. *Shell*
DPOLY: Nonequilibrium Fluctuations in Biomolecules. *Makarov*
DMP/GMAG: Manganite Thin Films. *Srikanth*
DMP: Transport in Nanostructures VI: Nonequilibrium Phenomena and Noise. *Maksymovych*
DCP: Advances in Atmospheric Aerosol Science II. *Laskin, Rudich*
DCMP: Semiconductor Qubit Approaches II. *Witzel*
DMP: Carbon Nanotubes and Related Materials XII: Graphene Transport. *Geim*
DCOMP/DMP/GMAG: Theory and Simulations of Magnetism I. *Zutic*
DCMP: Ferroelectric Oxide Superlattices and Oxide Thermoelectrics. *Wu*
GSPN: Structure and Dynamics of Complex Networks. *Barabási*

midday

DMP: Recent Advances in Soft Complex Materials Using Neutron Scattering. *Russell, Pociavsek, Glusker, Chen, Thiagarajan*
DCMP/GIMS: Facilities for Meeting Grand Challenges. *Neil, Hastings, Flavell, Singleton*
FHP: Industrial Physics History. *Horn, Hollenhorst, Froesch, Bishop, Doering*
DCMP: Electronic Excitations in Organic Molecular Crystals / Fluctuating Fronts: Beyond a Popular Mean-Field Theory. *Sakamoto, Hegmann, Fratini, Ebert, Douglas*
FPS/FGSA: Panel Discussion: Lessons Learned from Katrina: How to Prepare a Department for Catastrophic Events. *Akundi, Czaplá, McGuire, Seab, Sidorovskaia, Hoagland*
DBP/GSPN: Oscillations and Segmentation: Dynamical Genetic Regulation in Time and Space. *Pourquie, Hoffmann, Gunaratne, Krishna, Gunaratne*
DCP/DCOMP: Frontiers in Electronic Structure Theory III. *Giustino*
DBP: Medical Imaging and Related Technologies. *Hendee, Majewski, Gould*

GSPN/DBP: Nonequilibrium Thermodynamics of Small Systems.

Van den Broeck

DPOLY: Properties of Block Copolymers. *Balsara*
FIAP: New Frontiers for Biological Physics. *Bryant, Evans, Plotkin, Huang, Kussell*
DPOLY/DMP: Organic Electronics: Molecular Junctions. *Segalman*
DMP/GMAG: Charge/Orbital Ordering in Complex Oxides. *McQueeney*
DPOLY: Interfaces and Adhesion I. *Lipson*
DCP: Advances in Atmospheric Aerosol Science III. *Smith, Lucas*
GMAG: Frustrated Theory. *Moessner*
DMP: Optical Properties of Nanostructures VI: Nanoscale Metamaterials. *Atwater*
DMP: Carbon Nanotubes and Related Materials XIII: Synthesis. *Krashenninnikov*
DMP/GMAG: Oxide Interfaces II. *Triscone*
GMAG/DMP: Magnetic Semiconductors and Novel Magnetic Materials. *Kitchen*
GMAG/FIAP/DMP: Theory of Spin Phenomena in Semiconductors. *Sato*
FIP/CSWP: Panel Discussion: International Gender Issues in Physics. *Bienenstock, Sandow, Greene, Hartline, Satkovskiene, Wu*
DMP/FIAP: Thermoelectric Phenomena in Nanostructured Materials. *Snyder*
DCMP: Multiferroics and Multiferroic Composites. *Fennie*
GSPN: Jamming I: Theory. *Lois*

afternoon

DCMP: Electronic Structure, Magnetism, and Superconductivity of Sodium Cobaltate. *Mazin, Zheng, Imai, Wang*
DCMP: Dislocation Patterns and Avalanches. *LeSar, Chaikin, Zimanyi, Kubin, Mason*
DPOLY: Dynamics of Polymers. *Watanabe, Wang, Ganesan, Register, Archer*
FIAP: Sensing Science and Sensors for Industrial Applications. *Mizaikoff, Niewa, Disko, Mehregany, Ghosh*
DAMOP: Strong Interacting Fermi Gases with Spin Asymmetry. *Schunck, Mueller, Partridge, Greene*
DBP/GSPN: Nonlinear Dynamics of Neural Systems: A Statistical Mechanics of the Brain. *Berry, Shlens, Beggs, Solla, de Ruyter van Steveninck*
DMP: Hybrid Magnetic-Superconducting Systems III. *Rodrigo*
DBP: Novel Biomedical Techniques. *Umstadter, Britten, Incerti*
DPOLY/DBP: Dynamics of Nucleic Acid-Protein Interactions. *Landes*
DMP/DPOLY: Organic Photovoltaics and LEDs. *Cicoira*
DPOLY/DBP: Biopolymers: Molecules, Solutions, and Networks II. *Schneider*
DCP: Advances in Atmospheric Aerosol Science IV. *Sorensen, Signorelli, Nenes*
DMP: Carbon Nanotubes and Related Materials XIV: Theory and Sensing. *Perebeinos*
DMP/GMAG: New Materials and Properties of Complex Oxides. *Terasaki*
GMAG/DMP/FIAP: Domain Wall Motion and Itinerant Magnetism. *Meier*
FIAP: Nanotechnology II. *Drndic*
DMP: Materials for Photovoltaics and Photocatalysis III. *Laird*
DCMP: Multiferroicity in BiFeO₃-based films. *Fontcuberta*
DBP/GSPN: Networks, Regulation, and Pathways in Cell Biology. *Almaas, Suel*

Friday, 14 March

morning

DCMP: Interface Phenomena in Oxides. *Reyren, Brinkman, Koster*
DCMP/GQI: Approaching Quantum Limits in Optomechanical Systems. *Regal, Harris, Marquardt, Corbitt, Aspelmeyer*
DCMP: Superconducting Sources of THz-Radiation. *Pedersen, Welp, Bulaevskii, Wang, Tachiki*
GMAG: Tunnel Magnetoresistance: Yesterday, Today, and Tomorrow. *Maekawa, Parkin, Zhang, George, Moodera*
DCOMP: Understanding Strongly Correlated Materials with Dynamical Mean Field Theory Methods. *Tremblay, Werner, Civelli, Jarrell, Marianetti*
DFD: Wormlike Micellar Fluids and Vesicles. *Callaghan*
DAMOP: Spinor Condensates and Dipolar Gases. *Baranov*
DBP/FIAP: Emerging Nano-based Diagnostics and Therapeutics: Approaches to Cancer Treatment. *Tseng, Kopelman, Thundat, Earhart, Manalis*
DPOLY: Dynamics and Structures in Polymer Melts, Gels, and Glasses. *Kornfield*
DMP: Carbon Nanotubes and Related Materials XV: Electronic Structure and Optical Properties. *Tretiak*
DMP/GMAG: Ruthenates. *Nakatsuji*

midday

DCMP: Novel Physics and Quantum Interference in Weakly Disordered Graphene Devices. *McCann, Wu, Savchenko, Liu, Iyengar*
DCMP: New Symmetries and Excitations in Multiferroics. *Fiebig, Cheong, Spaldin, Nagaosa, Sushkov*
DPOLY: Charged and Ion-Containing Polymers II. *Hammond, Freed, Manias, Breedveld, Horkay*
FIAP: Industrial Advanced Characterizations. *Hecker, Dailly, Hürlimann, Yeganeh, Lavoie*
DBP/DCP: Control of Light with Bacteriorhodopsin. *Boxer, Birge, Yelleswarapu, Vollmer, Xu, Roy*
GQI: Quantum Metrology and Control: Fundamental Limits and Applications. *Lloyd*
DMP/GMAG: Electronic Structure of Complex Oxides. *Kunes*
DMP/GMAG: Sodium Cobaltites. *Aloul*
DCOMP/DMP/GMAG: Theory and Simulations of Magnetism II. *Blugel, Ujfalussy*
GMAG/FIAP/DMP: Diluted Magnetic Oxides. *Gamelin, Yakovlev*
FIAP: Artificial Neurons. *Edwards, Jung*