

## A Message from the Chair, Laurie J. Butler

I would simply like to express my gratitude to Mark Ratner and Michael Duncan for being willing to serve their colleagues by accepting the positions in the Division of Chemical Physics of vice-chair and member-at-large of the executive committee. With their help, the Division will continue to try to provide a deep and broad selection of symposia at the March Meeting that infuses excitement in the sharing of research ideas and progress and attracts the best young minds to chemical physics. I would like to add my congratulations to Phaedon Avouris, George W. Flynn, Kevin K. Lehmann, and Giacinto Scoles, the distinguished winners of the Langmuir, Broida, and Plyler prizes, and my thanks to the selection committees and nominators of all the talented scientists nominated for these awards. My congratulations also go to the new distinguished fellows of the American Physical Society sponsored by the DCP this year and to the talented graduate students who will be presenting their work at the March Meeting. I urge you to attend the meeting and support your younger colleagues to attend the meeting each year to present their research results.

## March APS Meeting, Austin, Texas, March 3-7, 2003

Information about the March 2003 meeting is available at (<http://www.aps.org/meet/MAR03/>). There are 5 special focus topics sponsored by the DCP scheduled for the March Meeting:

- Frontiers in Ultrafast Dynamics of Complex Systems organized by John Papanikolas and Gary Leach
- Frontiers in Optical Control of Complex Systems organized by Roseanne Sension and Roberto Merlin (University of Michigan)
- Structure and Properties of Organic Thin Films organized by Hai-Lung Dai (University of Pennsylvania) and Giacinto Scoles (Princeton University)
- Dynamics, Assembly, Reactivity and Function Across Extended Length-scales organized by Steven J. Sibener (University of Chicago)
- Photonics and the Nanoscale: Devices, Materials and Chemistry organized by Paul Barbara (University of Texas)

Additional information about the DCP Special Focus Topics for the March 2003 meeting is available on the DCP web site at <http://www.aps.org/units/dcp/dcpsymposiuminfo.html>. Programs for the DCP sessions will be posted on the DCP web site a few weeks before the meeting. The last day for pre-registration for the meeting is February 14. Onsite registration begins at 2 PM on March 2.

The annual DCP business meeting is also part of the March Meeting. The business meeting is scheduled for Tuesday,

## Important Dates

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|--|-------------------|
| • <b>Pre-registration deadline for March Meeting</b> | February 7, 2003  |
| • <b>Deadline for APS Fellowship Nominations:</b>    | February 14, 2003 |
| • <b>DCP annual business meeting</b>                 | March 4, 2003     |

March 4, 2002 at 5:30 PM and is open to all DCP members. The business meeting will include short reports of DCP activities, presentation of Certificates of Fellowship to new APS Fellows who are DCP members, and introduction of student travel fellowship awards.

## Graduate Student Travel Awards

Congratulations to this years winners of Graduate Student Travel Awards: Mehmet Danisman (Princeton University), Heather Eckenrode (University of Pennsylvania), Jason Haraldsen (University of Tennessee), Kaveh Lakelayeh (University of Toronto), Chi-Fong Lei (University of Colorado), Maja Mihajlovic (Brooklyn Polytechnic), Birol Ozturk (Oklahoma State University), Raluca Trasca (Pennsylvania State University), and Lin-lin Wang (University of Florida ).

## Congratulations to APS Prize Winners

The Division of Chemical Physics extends its congratulations to the following DCP members who were recently awarded prizes from the American Physical Society:

**George W. Flynn**, Columbia University, was awarded the Herbert P. Broida Prize "for pioneering, insightful and sustained studies of vibrational energy transfer in polyatomic molecules using a number of innovative experimental techniques, and for recent contributions to understanding of liquid-solid interfaces using scanning probe techniques."

**Phaedon Avouris**, IBM T.J. Watson Research Center, was award the Irving Langmuir Prize "for fundamental pioneering contributions to nanostructures and atomic-scale phenomena at surfaces."

**Kevin K. Lehmann**, Princeton University, and **Giacinto Scoles**, Princeton University, were awarded the Earle K. Plyler Prize for Molecular Spectroscopy "for their collaborative contributions to our understanding of intramolecular dynamics by high resolution spectroscopy and to atomic and molecular spectroscopy in liquid He nanodroplets, through the experimental and theoretical development of molecular and cluster beam spectroscopy."

## Congratulations to APS Fellows for 2002

The Division of Chemical Physics extends its congratulations to the following individuals who were nominated by the Division of Chemical Physics and elected to Fellowship in the American Physical Society.

**Laurie J. Butler**, University of Chicago

For fundamental and pioneering contributions to the understanding of non-adiabatic effects in molecular photophysics and photoreactivity.

**David C. Clary**, University College London

For his elegant and pioneering theoretical contributions to the fields of intermolecular interactions, collisional energy transfer, cluster spectroscopy, and chemical reaction dynamics at the quantum state-to-state level.

**Paul B. Davies**, University of Cambridge

For innovative high resolution infrared laser spectroscopy of free radicals, ions and other transient molecules and for infrared-visible sum frequency spectroscopy of surfactants at interfaces.

**John T. Fourkas**, Boston College

For his experimental and theoretical contributions in the use of nonlinear optical techniques to study dynamics in condensed phases.

**Donald T. Jacobs**, The College of Wooster, Ohio

For contributions to the understanding of critical phenomena in liquids, and for sustained mentoring of undergraduate students engaged in research.

**Gilbert M. Nathanson**, University of Wisconsin, Madison

For the pioneering use of molecular beam scattering experiments to explore collisions, solvation, and chemical reactions at gas-liquid interfaces.

**Peter Nordlander**, Rice University

For pioneering contributions to the chemical physics of atom-surface interactions, including the development of a many-body theoretical description of charge transfer processes in atom-surface scattering.

**Gustavo E. Scuseria**, Rice University

For his original contributions to the development of fast and accurate electronic structure methods and their applications to fullerenes and other large systems.

**Paul S. Weiss**, The Pennsylvania State University

For fundamental contributions to nanoscale science and technology by developing and applying tools to control and to measure functional properties and interactions of materials at the atomic scale.

## Fellowship Nominations

The deadline for nominations for APS Fellowship is February 14, 2003. Instructions for submitting a nomination are included on the APS web site (<http://www.aps.org/fellowship/fellinfo.html>).

## Election of New DCP Officers

Congratulations to Mark Ratner, who will assume the role of Vice-Chair, and Mike Duncan, who becomes the new Member-at-Large. The terms of the new positions begin at the conclusion of the March Meeting.

## DCP Membership

Membership in the American Physical Society's Division of Chemical Physics allows you to support a primary forum for chemical physics research. The status and influence of the DCP within the APS is dependent on the number of DCP members. Increasing DCP membership is crucial to preserving this important professional asset. If you are not a DCP member, we encourage you to join on the web (<http://www.aps.org/memb/unitapp.html>) or by phone (301-209-3280).

## Meetings of Possible Interest to DCP Members

### Gordon Research Conference on Chemical Reactions at Surfaces

February 16-21, 2003

Holiday Inn, Ventura, California

Organizers: Hajo Freund, Department of Chemical Physics, Fritz-Haber-Institut der MPG, Berlin  
Charles T. Campbell, Department of Chemistry, University of Washington, Seattle

Email: [freund@fhi-berlin.mpg.de](mailto:freund@fhi-berlin.mpg.de)  
[campbell@chem.washington.edu](mailto:campbell@chem.washington.edu)

Web site: <http://www.grc.org/programs/2003/chemreac.htm>

### Gordon Research Conference on Gaseous Ions: Structures, Energetics & Reactions

March 2-7, 2003

Ventura Beach Marriott, Ventura, California

Organizers: Terrance B McMahon, Department of Chemistry, University of Waterloo  
William L Hase, Department of Chemistry, Wayne State University, Detroit

Email: [mcmahon@sciborg.uwaterloo.ca](mailto:mcmahon@sciborg.uwaterloo.ca)  
[wlh@mercury.cs.wayne.edu](mailto:wlh@mercury.cs.wayne.edu)

Web site: <http://www.grc.org/programs/2003/gaseous.htm>

### Gordon Conference on Quantum Information Science

March 23-28, 2003

Four Points Sheraton, Ventura, CA

Organizers: David Awschalom, UCSB  
Birgitta Whaley, UCB

Email: [awsch@physics.ucsb.edu](mailto:awsch@physics.ucsb.edu)  
[whaley@socrates.berkeley.edu](mailto:whaley@socrates.berkeley.edu)

Web site: <http://www.grc.org/programs/2003/quantinf.htm>

### Gordon Research Conference on Electronic Spectroscopy and Dynamics

July 6-11, 2003

Bates College, Lewiston, Maine

Organizers: Elliot R. Bernstein, Department of Chemistry, Colorado State University  
James Skinner, Department of Chemistry, University of Wisconsin, Madison

Email: [skinner@chem.wisc.edu](mailto:skinner@chem.wisc.edu)

Web site: <http://www.grc.uri.edu/programs/2003/electspec.htm>

**XIXth Conference on the Dynamics of Molecular Collisions**

July 13-18, 2003

Granlibakken Conference Center and Resort at Lake Tahoe, Tahoe City, California

Organizers: Laurie Butler, Department of Chemistry, University of Chicago  
Al Wagner, Chemistry Division, Argonne National Laboratory

Email: [L-Butler@uchicago.edu](mailto:L-Butler@uchicago.edu)

Web site: <http://home.uchicago.edu/~ljb4/DMC2003.html>

**Gordon Research Conference on the Chemistry and Physics of Liquids**

August 3 - 8, 2003

Holderness School, Plymouth, New Hampshire

Organizers: Peter Rossky, Department of Chemistry, University of Texas, Austin  
Graham Fleming, Department of Chemistry, University of California, Berkeley

Email: [rossky@mail.utexas.edu](mailto:rossky@mail.utexas.edu)

Web site: <http://www.grc.uri.edu/programs/2003/liquids.htm>

**Gordon Research Conference on Quantum Control**

August 3 - 8, 2003

Mount Holyoke College, South Hadley, MA

Organizers: Klaas Bergmann, Fachbereich Physik, Technische Universität Kaiserslautern, Germany  
Paul Corkum, NRC Steacie Institute for Molecular Sciences, Ottawa, Ontario

Email: [bergmann@rhrk.uni-kl.de](mailto:bergmann@rhrk.uni-kl.de)

Web site: <http://www.grc.uri.edu/programs/2003/quantcon.htm>

**Gordon Research Conference on Dynamics at Surfaces**

August 10-15, 2003

Proctor Academy, Andover, New Hampshire

Organizers: Stephen Holloway, University of Liverpool  
Gil Nathanson, University of Wisconsin, Madison

Email: [steveliv@liv.ac.uk](mailto:steveliv@liv.ac.uk)

Web site: <http://www.grc.uri.edu/programs/2003/dynamics.htm>

If you would like to have information about any meetings included in a future DCP Newsletter and/or on the DCP web site, send the information to Bruce Garrett ([bruce.garrett@pnl.gov](mailto:bruce.garrett@pnl.gov)).