

A Message from the Chair, Emily A. Carter

Congratulations to our new Vice-Chair Dan Neumark, to our new Councilor Charlie Parmenter, and to our new Member-at-Large Branka Ladanyi! I am very grateful to them for being willing to spend their valuable time serving our community by ably shepherding the Division of Chemical Physics in the years ahead. In addition, I want to thank Tim Zwier (outgoing Member-at-Large) and Sylvia Ceyer (outgoing Councilor) for their outstanding service to the Division; Tim was instrumental in preserving the financial viability of the Plyler Prize (with crucial help from Mike Fayer to secure the support of Spectra-Physics) and Sylvia attended many APS Council meetings, most ably representing DCP on our behalf. I am also pleased to announce the list of new APS Fellows in DCP for 2005 (see below) and I wish to congratulate them on their scholarly achievements, which range from surface science to properties of liquids to atmospheric chemistry. The rich diversity of research areas that these new Fellows represent is a reflection of the enduring vitality of the field of Chemical Physics.

Note that you can still register for the APS March Meeting in LA. As described below, Mark Ratner & Co. have pulled together an enticing set of focus sessions on a diverse set of topics – you won't want to miss it. And of course, you are likely to experience sunshine, warmth, and great cuisine in Southern California (despite recent record rainfall reports to the contrary!), so don't miss this opportunity to visit the great multicultural city of Los Angeles! Lastly, my tour of duty as DCP Chair ends at the March Meeting; the inimitable Mark Ratner follows me in this role next year, so we know DCP will thrive. Hope to see you all in LA!

March APS Meeting, Los Angeles, March 21-25, 2005

Information about the March 2005 meeting is available at <http://www.aps.org/meet/MAR05/>. Mark Ratner is the DCP program chair and is responsible for coordinating all the special focus topics and contributed sessions at the meeting. There are 5 special focus topics sponsored by the DCP scheduled for the March Meeting:

- Biophysical Dynamics, organized by David Reichman & Andrei Tokmakoff
- Molecular Electronics Science and Technology: Pros, Cons, and Issues, organized by Cherie R. Kagan & Edwin A. Chandross
- Energy Landscapes of Clusters, Materials and Biomolecules, organized by David M. Leitner & Martin Gruebele
- Environmental Interfaces, organized by Franz Geiger
- Nanophotonic Materials, Nonlinear Optics and Spectroscopy, organized by Michael D. Barnes, Robert M. Dickson, & John T. Fourkas

Important Dates

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| • Pre-registration deadline for March Meeting | February 25, 2005 |
| • Deadline for APS Fellowship Nominations: | February 11, 2005 |
| • DCP annual business meeting | March 22, 2005 |
| • Nominations for APS prizes administered by DCP | July 1, 2005 |

Additional information about the DCP Special Focus Topics for the March 2005 meeting is available from the DCP web site at <http://www.aps.org/units/dcp/otherapsmeetings.cfm>. Programs for the DCP sessions will be posted on the DCP web site a couple of weeks before the meeting. The last day for pre-registration for the meeting is February 25. Onsite registration begins at 3 PM on Sunday, March 20.

The annual DCP business meeting is scheduled for Tuesday, March 22, 2005 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, introduction of student travel fellowship awardees, and an invitation to suggest special focus session topics for the 2006 meeting to the 2006 program chair, Hailung Dai.

Graduate Student Travel Awards

Congratulations to this year's winners of Graduate Student Travel Awards: Susan Dounce (University of Pennsylvania), De-en Jiang (Princeton), Ashish Kumar (University of California, Santa Barbara), Jun Lu (University of Chicago), Marie Mapes (University of Wisconsin), Yoonsoo Pang (University of Illinois), Pavel Paramonov (University of Akron), Ivan Piletic (Stanford University), and Deboadhonyaa Sengupta (Cornell University).

Congratulations to 2004 APS Fellows

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. Only 1/2 of 1% of the total APS membership is selected for Fellowship in the Society each year.

Richard Roy Cavanagh, National Institute of Standards and Technology

For contributions to the understanding of dynamical processes and energy-transfer mechanisms for molecular adsorbates on surfaces

Alexander Lowe Harris, Brookhaven National Labs

For his pioneering work in developing vibrational spectroscopy to probe ultra-fast dynamics at surfaces, and for elucidating the vibrational energy flow pathways of adsorbates at solid surfaces.

Stephen Holloway, University of Liverpool

For his pioneering work on the applications of high-dimensional quantum and classical dynamical simulations to gas-surface reactions and inelastic scattering.

James Angus Miller, Sandia National Laboratories

For advances in the theoretical chemistry of combustion processes

Michael David Morse, University of Utah

For pioneering experimental studies of the electronic structure and spectroscopy of small metal molecules in the gas phase, particularly the diatomic transition metal molecules

Moshe Shapiro, University of British Columbia

For seminal contributions to the study of molecule-light interactions, including photodissociation and the coherent control of molecular processes

Veronica Vaida, University of Colorado

For fundamental contributions to the understanding of photodissociation dynamics of excited states and especially in the application of this understanding to processes in the atmosphere

Albert Fordyce Wagner, Argonne National Laboratory

For his theoretical contributions to the fundamentals of chemical collision theory, including energy transfer, recombination, and dissociation reactions.

David Hennessey Waldeck, University of Pittsburgh

For his fundamental contributions to the molecular and electronic origins of friction in chemical reactions and transport processes in liquid solutions

Michael Stephen Wertheim, Michigan Technological University

For the analytic solution of several important integral equations in the theory of fluids that led to the understanding of the structure and thermodynamics of liquids, including polar liquids.

Nominations for the Earle K. Plyler Prize

Nominations for the Earle K. Plyler Prize for Molecular Spectroscopy, which is administered by the Division of Chemical Physics, are due July 1, 2005. Instructions for submitting a nomination are included on the APS web site at <http://www.aps.org/praw/plyler/index.cfm>. The Plyler Prize is supported by annual gifts from the George E. Crouch Foundation and Spectra-Physics (<http://www.newport.com/>).

Fellowship Nominations

The deadline for nominations for APS Fellowship is February 11, 2005. Instructions for submitting a nomination are included on the APS web site (<http://www.aps.org/fellowship/fellinfo.cfm>).

DCP Election Results

Congratulations to Daniel Neumark (University of California, Berkeley), who will assume the role of Vice-Chair, and Branka Ladanyi (Colorado State University), who becomes the new Member-at-Large. The terms of the new positions begin at the conclusion of the March 2004 Meeting. We also extend our congratulations to Charles Parmenter (University of Indiana), who was elected as DCP Councilor. His 4-year term began January 1, 2005.

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.cfm>) or by phone (301-209-3280).

Meetings of Possible Interest to DCP Members

Gordon Research Conference on Chemical Reactions At Surfaces

February 13-18, 2005

Ventura Beach Marriott, Ventura, CA

Chair: Charles T Campbell

Vice Chair: Cynthia M Friend

Email: campbell@chem.washington.edu
cfriend@deas.harvard.edu

URL: <http://www.grc.org/programs/2005/chemreac.htm>

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

February 27 - March 4, 2005

Ventura Beach Marriott, Ventura, CA

Chair: William L Hase

Vice Chair: Vicki H Wysocki

Email: BILL.HASE@TTU.EDU
VWYSOCKI@U.ARIZONA.EDU

URL: <http://www.grc.org/programs/2005/gaseous.htm>

Conference on Quantum Control Of Light And Matter

July 31 - August 5, 2005

Colby College, Waterville, ME

Chair: Paul Corkum

Vice Chairs: Philip H Bucksbaum & David Tannor

Email: PAUL.CORKUM@NRC.CA
PHB@UMICH.EDU

DAVID.TANNOR@WEIZMANN.AC.IL

URL: <http://www.grc.org/programs/2005/quantcon.htm>

American Conference on Theoretical Chemistry

July 16-21, 2005

UCLA, Los Angeles, CA

Chair: Emily A. Carter

Vice-Chair: Mark Ratner

Email: eac@princeton.edu
ratner@chem.northwestern.edu

URL: <http://www.conferences.ucla.edu/actc>