

A Message from the Chair, John C. Tully

As stated below, the deadline for pre-registration for the March Meeting is February 15. You may register online at <http://www.aps.org/meet/MAR02/>. I encourage you to do so if possible. The March Meeting is the only general meeting each year of the APS Division of Chemical Physics, and it serves as a focal point for our interdisciplinary field. It succeeds in this only to the extent that researchers in the field attend the meeting, however. The Division of Chemical Physics program at the upcoming meeting is exciting. This was the case for prior meetings as well. But at these prior meetings, as successful as they were, one could look down the hallway to see mobs of people in and around the condensed matter talks. It is not too large an exaggeration to say that every major new discovery in condensed matter physics is presented at the March Meeting, and everyone in the field attends. This can be the case for the field of chemical physics as well, if people make a habit of attending and contributing talks, even when not an invited speaker.

The March Meeting also serves as the forum for the presentation of the majority of the APS awards. This usually includes the Broida Prize, the Plyler Prize and the Langmuir Prize. These are among the most prestigious awards in the field of chemical physics. Unfortunately, the nature of these awards and possibly their existence are threatened by financial considerations. An APS committee has recently recommended that any APS prize with a stipend less than \$10,000 be either awarded every other year or downgraded to the status of "award" rather than "prize". The current stipends for the Broida and Plyler Prizes are \$5000 and \$3000, respectively. It is the opinion of this chair that, through the excellence of previous recipients, these awards have achieved a level of prestige and honor that has little or nothing to do with the money. I feel it would be a shame to eliminate or downgrade them. I urge members of the Division to help identify potential donors to support these awards. In addition, I encourage opinions about stipend level and how the awards should be administered. Comments can be emailed to DCP officers or to the APS awards office at honors@aps.org.

It has been a pleasure serving as Chair of DCP. I look forward to handing over the reins to Laurie Butler at the March Meeting.

March APS Meeting, Indianapolis, Indiana, March 18-22, 2002

Information about the March 2002 meeting is available at (<http://www.aps.org/meet/MAR02/>). There are 8 special focus topics sponsored by the DCP scheduled for the March Meeting:

- Protein Dynamics (joint with DBP) organized by Norbert Scherer and Joan-Emma Shea
- The Physical and Electronic Structure of Conjugated Polymers: From Photophysics to Devices organized by Benjamin J. Schwartz
- Chemical and Physical Properties of Supported and Isolated Metal Nanoclusters organized by Scott L. Anderson

Important Deadlines

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| • Pre-registration for March Meeting | February 15, 2002 |
| • APS Fellowship Nominations: | February 15, 2002 |

- Vibronic Chemistry in Isolated Molecules, at Surfaces, and in Solution organized by Martin Gruebele and Alec M. Wodtke
- Nonlinear Spectroscopy and Molecular Choreography organized by David M. Jonas
- New Techniques, Applications and Instruments in X-Ray Absorption Spectroscopy (joint with GIMS) organized by Ting Guo, Robert Schoenlein, and John Rehr
- Progress in Heterogeneous Catalysis, Fuel Cells, and Chemical Sensors (joint with FIAP) organized by Alexander Bogicevic, Jennifer J. Zinck, and D. Wayne Goodman
- Physics of Chemically Modified Interfaces (joint with DCMP and DMP) organized by Eric Borguet

Additional information about the DCP Special Focus Topics for the March 2002 meeting is available on the DCP web site at <http://www.aps.org/units/dcp/dcpsymposiuminfo.html>. Programs for the DCP sessions will be emailed to DCP members and posted on the DCP web site a few weeks before the meeting. The last day for pre-registration for the meeting is February 15. Onsite registration begins at 2 PM on March 17.

The annual DCP business meeting is also part of the March Meeting. The business meeting is scheduled for Tuesday, March 19, 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: Aravind Asthagiri (University of Pittsburgh), Gil C. Claudio (University of Houston), Vasiliy Fomenko (University of Pittsburgh), Milen Kostov (Pennsylvania State University), and Feng Wang (University of Pittsburgh).

Congratulations to APS Fellows for 2001

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.

David N. Beretan, University of Pittsburgh

For establishing molecular-level theories of electron tunneling interactions in proteins and DNA.

David A. Dixon, Pacific Northwest National Laboratory

For the development and use of high level computational chemistry techniques to solve complex industrial and environmental problems.

Hans-Joachim Freund, Fritz-Haber-Institut

In recognition of his pioneering study of the structure and dynamics of adsorbates on thin film oxide surfaces and oxide supported metal clusters and their applications in heterogeneous catalysis.

Michael F. Herman, Tulane University

For the development of the semiclassical propagation of wavefunctions for advancing the understanding and development of semiclassical procedures for processes involving non-adiabatic transitions.

Anne Myers Kelley, Kansas State University

For outstanding and innovative work in Raman spectroscopy.

Timothy J. Lee, NASA Ames Research Center

For his original contributions to the development of ab initio quantum mechanical methods and their application to important chemical physics problems in rovibrational spectroscopy and the atmospheric sciences.

James M. Lisy, University of Illinois

For his contributions to the field of ion cluster spectroscopy, establishing the connection between gas-phase species with aqueous solutions and biochemical systems, and demonstrating the contribution of internal energy in structural isomerization and dynamics.

Nancy Makri, University of Illinois

For developing novel real time path integral methods and decisively quantifying how condensed phase environments affect quantum barrier crossing and biological charge transfer.

Krishnan Raghavachari, Bell Laboratories

For outstanding contributions to the development of accurate electronic structure theories and for innovative investigations of the structures, spectroscopy, and reactivity of clusters and surfaces.

Fellowship Nominations

The deadline for nominations for APS Fellowship is February 15, 2002. 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 Emily Carter, who will assume the role of Vice-Chair, and Tim Zwier, 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

American Conference on Theoretical Chemistry (ACTC-2002)

July 14-18, 2002

Seven Springs Resort, PA

Organizer: Kenneth D. Jordan, Department of Chemistry, University of Pittsburgh

Email: actc@imap.pitt.edu

Web site: <http://pro3.chem.pitt.edu/actc2002/>

Gordon Research Conference on Atomic & Molecular Interactions

July 7-12, 2002

Roger Williams University

Bristol, RI

Chair: Albert Wagner

Vice-Chair: Paul Dagdigian

Web site: <http://www.grc.uri.edu/programs/2002/atomic.htm>

Gordon Research Conference Chemical Physics Summer School

June 16-28, 2002

Roger Williams University

Bristol, RI

Organizers: Shaul Mukamel & Rudolph A Marcus

Web site: <http://www.grc.uri.edu/programs/2002/chemphys.htm>

This meeting is a summer school (not a conference) on the topic of Many Body Techniques in Chemical Physics. Some fellowships may be available for students.

Gordon Research Conference on Water & Aqueous Solutions

August 4-9, 2002

Holderness School

Plymouth, NH

Chairs: Pablo Debenedetti & John Finney

Vice-Chairs: Alfons Geiger & Richard Saykally

Web site: <http://www.grc.uri.edu/programs/2002/water.htm>

Telluride Summer Research Center Workshop on Doped Rare Gas Clusters

June 24 – June 29, 2002

Telluride, Colorado

Organizers: Anne McCoy and Jeremy Hutson

Web site: http://www.chemistry.ohio-state.edu/~mccoy/telluride_02.html

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).