

DMP NEWSLETTER

Division of Materials Physics

A Division of The American Physical Society • www.aps.org/units/dmp/

Spring 2003

DATES TO REMEMBER:

May 28, 2003

Submission of focus topic proposals to Sam Bader

July 1, 2003

Nominations for McGroddy Prize to Lynn Schneemeyer

July 1, 2003

Nominations for Alder Lectureship Award to Karin Rabe

Early July

List of 2004 focus topics posted on web and sent via e-mail

August 30, 2003

Invited speaker suggestions for focus topics due via the web by August 30, 2003

In this Issue ...

ARTICLES

- Dates to Remember
- Message from the Chair

MESSAGE FROM THE CHAIR

I would like to thank all the members of the DMP for a job well done. Without the effort of the membership to provide organizers, invited speakers, chairs and contributed abstracts, the March Meeting would not work. This March meeting we outdid past efforts. By my count the DMP had more focus topics than in any past meeting. We had over 30 focus topics and invited sessions, many of the topics were co-sponsored with FIAP, DCOMP, DPOLY, GMAG and DBP. The DMP had approximately 150 invited speakers and 1300 contributed papers. This number can be compared to the total number of about 5500 abstracts for the meeting as a whole.

On another positive note, we have been successful in attracting new members to the DMP. Our total membership now exceeds 2,100 members, up over 6% from previous years. It is important that we continue this trend. A larger membership increases our share of revenues from the APS and allows the DMP to name more Fellows.

Each year, the composition of the DMP Executive Committee changes, with new members coming in and others, having done their service, rotating out. I would especially like to thank Denis McWhan, who is finishing his term as Chair of the Division. Denis worked tirelessly to improve the DMP infrastructure over the past few years. Two Members at Large, Mike Aziz and Eric Fullerton, are leaving the Executive Committee. The DMP thanks them for their service. Lynn A. Boatner is our new Vice Chair. Eric Chason and Jacqueline Krim are our new Members at Large. A complete list of DMP officers, along with their contact information, is always handy via the DMP website, specifically at <http://www.aps.org/>

units/dmp/dmpcommittee.html. The future success of the DMP depends on getting good candidates. I would appreciate hearing from you if you want to run for office or would like to nominate one of your colleagues.

A highlight of the March Meeting was the award ceremony. In the past several years, the DMP has tried to place a little more emphasis on the prizes and awards associated with materials physics. There was a special prize session on Monday morning. The James C. McGroddy Prize was awarded to Charles Lieber (Harvard) for his work on nanostructured and functional nanostructured materials. The David Adler Award was given to Ivan Schuller (UC San Diego) for his work on metallic heterostructures and superlattices. It is perhaps no coincidence that the largest focus-topic sessions in the March Meeting were centered on nanostructure and magnetic systems.

It is not too early to start thinking about the focus topics that we want to emphasize in the March 2004 APS meeting, which will be held in Montreal, Canada. The Executive Committee will select the focus topics and organizers during June and July. The heart of the DMP program is based on your suggestions for focus topics. Please send your suggestions to Sam Bader, the DMP Chair-Elect, by May 30, 2003:

Samuel D. Bader

MSD-223, Argonne National Laboratory
9700 S. Cass Ave.
Argonne, IL 60439-4845
Tel: (630) 252-4960
Fax: (630) 252-9595
email: bader@anl.gov

The list of focus topics, the appropriate sorting categories and the invited speaker form for the March 2004 Meeting will be posted on the APS web page in early August. We will also send out a hard-copy postal mailing, though this will be delayed by a few weeks compared to the web posting. As in previous years, there will then be a solicitation of suggestions for invited speakers for the focus topics. The deadline for suggestions will be on August 30, 2003.

I invite and encourage you to suggest candidates for the McGroddy Prize for new materials and the David Adler Lectureship Award. Please take a moment to look at the DMP website and peruse the list of past recipients of these prizes; then consider taking the time to put together a nomination for a worthy candidate. Follow the directions on the APS web page under prizes and awards (<http://www.aps.org/praw/>). The chairs of the selection committees are:

McGroddy Prize:

Lynn Schneemeyer
lschneem@nsf.gov
(703) 292-4945

Adler Award:

Karin Rabe
rabe@physics.rutgers.edu
(732) 445-4186

Deadlines are July 1, 2003.

I want to draw your attention to the APS activities on behalf of science support at the federal level. The American Physical Society through its Washington Office has an active Congressional outreach program aimed in part at maintaining a healthy level of federal funding for physics research. This is a job that needs support from all APS members, not just our DMP members. In order to make sure that Congress is paying attention to our budgets, we need to do three things: write to our Congressmen; visit them when we are in the Washington area, and visit them when they are back in their home districts. The Washington Office APS can help you with all three. Also, as you probably know, the APS had a letter writing

center at the March meeting. Many of you probably met Susan Ginsberg or an APS colleague at the center. Sue, who is a senior science policy fellow working in the Washington Office, tells me that we had 2,195 letters sent from March Meeting. This represents a 25% increase over last year.

In addition to APS activities, the DMP is continuing its affiliation with the Federation of Materials Societies (FMS--see <http://www.materialsocieties.org/>). The FMS is an umbrella organization whose member societies and affiliates represent the professional societies, universities and National Research Council organizations, which are involved with materials science, engineering and technology. FMS constituent societies have more than 700,000 individual members. The purpose of FMS is to aid the materials community in obtaining information from and exchanging information with the policy community. An important FMS goal is to help the materials community to arrive at consensus materials policy and to assist it in informing policy makers of materials concerns. Another major theme of FMS is educational enhancement. This work includes a program of educating teachers in current topics of science and engineering, developing website resources, establishing alliances, sponsoring the production of radio and television pieces, and holding conferences at which educators can share ideas for teaching materials science.

I think 2003 is off to a great start. I look forward to working with you as Chair of the DMP and welcome your suggestions.

Jim Chelikowsky

Institute of Technology Distinguished Professor
Department of Chemical Engineering and Materials Science
University of Minnesota
421 Washington Avenue, SE
Minneapolis, MN 55455
Phone: (612) 625-4837
Fax: (612) 626-7246
Email: jrc@msi.umn.edu



AMERICAN PHYSICAL SOCIETY

Division of Materials and Physics
One Physics Ellipse
College Park, MD 20740-3844