

**Business Meeting of the APS Topical Group on Shock Compression of Condensed Matter
Thursday, July 2, 2009, 12:50 pm, Cheekwood GH, Gaylord Hotel, Nashville, TN**

Agenda:

- A. Welcome (Marcus Knudson)
- B. Elections results (Tracy Vogler)
- C. Financial report (Tracy Vogler)
- D. Committee memberships, committee reports, and awards (Tracy Vogler)
- E. Job manuals (Tracy Vogler)
- F. Group membership statistics and issues (Dave Moore)
- G. Potential GSCCM joint sponsorship of sessions at 2010 March meeting (Dave Moore):
 - lasers in shock compression (with DAMOP & DLS)
 - shock induced phase transitions (with DCOMP & DMP)
 - multiphase equation of state (with DCOMP & DMP)
 - multiscale materials modeling (with DCOMP & DMP)
- E. 2011 conference report (John Borg)
- F. 2009 conference report (Jack Wise & Mike Furnish)
- F. Outreach report (Dana Dattelbaum)
- G. Open floor

Minutes of Meeting

- Marcus Knudson (MDK), president of the GSCCM, brought the meeting to order
- Tracy Vogler (TJV), secretary-treasurer of the GSCCM, gave the results of the 2008 election:
 - Vice-chair -- Neil Bourne (AWE)
 - At-large members of the executive committee
 - Jennifer Jordan (AFRL - Eglin AFB)
 - Kathy Prestridge (LANL)
 - Thanks to Su Peiris, Rip Collins, and Jon Eggert for standing for election.
 - In 2009, we will be electing a vice-chair, secretary-treasurer, and 2 at-large representatives.

- TJV gave the treasurer's report:
 - At the beginning of the calendar year 2008, GSCCM had approximately \$68.8k in its account.
 - The following expenses were incurred in 2008:
 - \$5k transferred to the Duvall award account
 - \$1k for meeting expenses
 - \$1k for miscellaneous expenses
 - Approximately \$7.7k in APS membership kickbacks and interest on account balances was received in income, giving a net increase in the group's account.
 - The 2009 conference is likely to be a larger factor in the financial status of the group because of the larger sums of money involved.
 - The Duvall award fund grew from \$55k on 1/1/08 to \$64k on 12/31/08 based on the transfer of \$5k from the general fund and interest on the account balance.
 - APS has indicated that the interest rate earned on fund balances will be reduced to 5.5% for the general fund and 6% on prize funds effective the end of June 2009. This represents a reduction from approximately 6.5% earned previously.

- TJV announced the awards given in 2009:
 - Duvall award -- Don Curran (SRI)
 - APS fellows:
 - Dennis Hayes (SNL/LANL - retired)
 - Stephan Bless (IAT / U.T. Austin)

- TJV gave the composition of the group's committees for 2009:
 - Awards Committee (year term ends in parentheses):
 - Ramon Ravelo, committee chair (2009 - UTEP)
 - Malcolm Nicol (2011 - UNLV)
 - Dennis Grady (2009 - ARA)
 - Gerrit Sutherland (2009 - NSWC-IH)
 - Justin Wark (2011 - Oxford)
 - Joe Zaug (2009 - LLNL)
 - Su Peiris (DTRA - alternate through 2009, after that becomes regular member until 2011?)

In light of Malcolm's passing, a replacement member as well as a new committee chair will need to be appointed. Also, there are four committee members whose terms end in 2009 and will need to be replaced.

Nominating Committee (year term ends in parentheses):

- Kim Budil (2009 - LLNL)
- Rohn Cohen (2009 - Carnegie Institute)

Two regular appointees and one APS appointee (based on the recommendation of the GSCCM) are needed in order to put together the slate of candidates for the fall election.

- TJV mentioned that new volunteers for the group newsletter are needed.
- TJV reported that all officers, committee chairs, and those with other specific responsibilities (e.g., those in charge of the student travel grants) have been asked to put together a small write-up of the responsibilities of their job along with any relevant details (e.g., timetables, approximate dates) that will make it easier for others in the future to do those jobs. Those have mostly been completed and will be maintained by the secretary-treasurer.
- Dave Moore, chair-elect of the GSCCM, gave a report on membership:
Students and coworkers should be reminded to join the topical group as part of their APS membership since the extra \$7 is a negligible expense and membership is important to the group.
Currently seem to have adequate membership from the perspective of APS.
- Dave Moore gave a report on the 2010 APS March meeting. Planned sessions sponsored by GSCCM include:
 - Lasers in shock compression research (joint with DLS and DAMOP)
 - Dynamics of shock induced phase transitions (theory and experiment, joint with DCOMP and DMP)

and then one of these two (or both if we get some organization help):

- Multiphase equations of state (theory and experiment - joint with DCOMP and DMP)
- Multiscale materials (theory, modeling, and experiments that bridge scales - joint with DCOMP and DMP)

Tommy Sewell is helping with organizing the second and third of those. A call for help will be put out later this summer.

- John Borg, Marquette University, gave a report on the 2011 conference
The 2011 meeting will be chaired by John Borg, Jennifer Jordan, and Tracy Vogler. It will be held in the last week of June at the Renaissance Hotel in downtown Chicago. There was some general discussion of contract details and issues related to AV equipment. Su Peiris noted that the Det. Symposium owns projectors that could be used by the group, but the organizers will need to check the AV contract and weigh the

cost savings against the extra hassle of securing the equipment. Mark Elert and Billy Butler will be lead editors of the proceedings, and Tony Zocher has agreed to continue in his role in assisting foreign attendees with attending.

Tony Zocher discussed his efforts to facilitate attendance by Russian and Chinese researchers. He was successful in working with the state department and the U.S. embassy in Moscow at getting visas for most or all of the Russians who wanted to attend. However, he was unable to secure visas for most of the Chinese; those that did get visas were not allowed to attend by their institutions due to fears over swine flu. The net result is that there were no Chinese attendees at the conference. In the future, better contacts in the U.S. embassy in Peking should improve the situation in 2011.

- An update on the 2009 conference was given by Jack Wise (conference treasurer) and Mike Furnish (conference co-chair).

At this point, there are 487 registrants for the conference including 64 students. There are also 62 registrants for the companion program. Revenue received totals \$371,546 including \$10,000 from each of the three NNSA labs LANL, LLNL, and SNL. The complete financial picture will emerge over the next month or two as charges from the hotel are resolved.

- Dana Dattelbaum gave an update on outreach efforts:

Students - Dave Moore and Kathy Prestridge coordinated the student outreach, including the travel awards and the first student poster awards. Awards for the student posters will be given for both the Monday and Tuesday sessions. A student/professional breakfast was held on Thursday from 7-8 am. There were approximately 12-15 attendees including 7 representatives from DOE laboratories and industry. The breakfast was not well publicized, so future events of this type should be better publicized (e.g., announcements before plenary lectures) to get better attendance. An event other than breakfast would also probably be more successful.

Local Universities - Were offered single day registration to encourage participation. Single day registration numbers: Belmont U. (0 attendees), Lipscomb U. (0 attendees), and Vanderbilt U. (4 attendees, 1 presenting group)

Minorities - Scholarships were offered to 1 student from the physics department of local HBCU's Fisk University and Tennessee State University. While department contacts seemed enthusiastic, the students did not attend the meeting. The solution to this problem was not obvious, but one attendee pointed out that previous outreach efforts to high school science teachers have been effective.

Women - APS encouraged identifying female session chairs as well as invited/plenary speakers. Also, the first women's networking lunch was held on Tuesday with approximately 36 participants (4 tables).

The GSCCM executive committee met Friday morning, July 3, for an executive meeting. Several issues for the topical group were discussed. In addition, the executive committee agreed that the topical group will provide prizes to students in the poster competition in the future.

Business Meeting Attendees

Bill Anderson
John Borg
Neil Bourne
Eric Brown
Mark Burchell
Dana Dattelbaum
Paul DeCarli
Dana Dlott
Sunil Dwivedi
Mark Elert
Louis Ferranti
Jerry Forbes
Mike Furnish
Tim Germann
Rusty Gray
Mike Hopson
Jennifer Jordan
Jon Koch
Marcus Knudson
Joel Kress
Marc Meyers
Dave Moore
Su Peiris
Igor Plaksin
Kathy Prestridge
Bill Proud
Ramon Ravelo
Bruce Remington
Paulo Rigg
Tommy Sewell
Gerrit Sutherland
Naresh Thadhani
Kevin Vandersall
Tracy Vogler
James Wallace
Mike Winey
Jack Wise
Tony Zocher