

**2018 Business Meeting
of the APS Topical Group on Shock Compression of Condensed Matter**

March 7, 2018, 5:45 PM, Los Angeles Convention Center
(held in conjunction with the 2018 APS March Meeting)

Agenda:

1. Welcome
2. 2017 Election Results
3. Current Topical Group Officers
4. Financial Report
5. Membership Report
6. Update on Conference Proceedings
7. Update on 2019 Conference
8. Other Business
9. Adjourn

1. Welcome (Jensen)

The meeting was called to order by the Topical Group Chair, Brian Jensen, at 5:45pm. A list of attendees is included as Appendix A. In the Secretary-Treasurer's absence, Chair-Elect Tim Germann recorded the minutes.

2. Report of SCCM 2017 Elections (Jensen)

150 ballots were cast out of 473 eligible (31.7%, up from 29.0% last year). The candidates are listed below, with the winners' names in bold.

- Vice-Chair (1-year term + succeeding posts in chair line; 1 seat available)
 - Minta Akin
 - Malcolm Burns
 - **Jennifer Jordan**
- Executive Committee, Member-at-Large (2-year term, 2 seats available)
 - Eric Anderson
 - **Darcie Farrow**
 - Eric Harstad
 - Marylesa Howard
 - Matt Lane
 - **Cyril Williams**

3. Current officers of the Topical Group (Jensen)

- Chair: Brian Jensen (Los Alamos National Laboratory) through 2018, then Past-Chair
- Chair-Elect: Tim Germann (Los Alamos National Laboratory) through 2018, then Chair
- Vice Chair: Jennifer Jordan (Los Alamos National Laboratory) through 2018, then Chair-Elect
- Past-Chair: Damian Swift (Lawrence Livermore National Laboratory) through 2018

- Secretary/Treasurer: Mark Elert (US Naval Academy) through 2018
- Executive Committee Members-at-large:
 - Darcie Farrow (Sandia National Laboratories), through 2019
 - Cyril Williams (Army Research Laboratory), through 2019
 - Dan Hooks (Los Alamos National Laboratory), through 2018
 - Kit Neel (Air Force Research Laboratory), through 2018

4. *Financial Report (Jensen)*

Total assets as of 12/31/17 were \$448.5K, up over \$100K from the previous year. The primary activity was of course the 2017 meeting, which had 594 registered participants (about 50 more than 2015), \$438K income and \$365K expenses thus far. The primary leftover expense is for proceedings, expected to be roughly \$20K (see below for the proceedings update).

5. *Membership Report (Jensen)*

The GSCCM membership in December 2017 was 473, up from 373 in December 2016. This mostly reflects temporary membership increases in conference (odd-numbered) years, and is well above the minimum APS Topical Group size of 300 members to avoid probation.

6. *Conference Proceedings Update (Lane)*

281 manuscripts were submitted, the lowest number since the late 1990s. This is about 50 below average, and 100 below peak. 276 papers were accepted after peer review, 2 were rejected, and 3 were withdrawn after review. The completed proceedings were sent to AIP for production on March 2, 2018, two months after the original (aggressive) goal of January 1, but substantially improved over the 2015 proceedings delays. Following AIP's review for formatting and copyright issues, among other things, publication is expected by May 2018.

There was a fair amount of discussion about reasons for the reduced number of submissions. The lack of a printed hardcopy version was raised as a possibility, as did the late publication date from the 2015 conference. Damian Swift noted that some groups at LANL and LLNL tended to "look down" on SCCM proceedings, as opposed to plasma physics or other fields that use special journal issues, e.g. DPP invited talks are guaranteed papers in Physics of Plasmas. On the other hand, Ryan Wixom noted that SCCM and Detonation Symposium proceedings are unusually highly cited, indicating that there may not be another natural home for our community. The longer page limit was mentioned as another potential drawback, as opposed to very short status updates. Harry Radousky noted that an advantage of some journal special issues is that papers are published as they are accepted, rather than waiting for a complete set of proceedings.

Many session chairs had conflicts with papers in their session, requiring alternate referees to be secured. Tracy Vogler asked about demographics, e.g. how many students and international participants were authors, and whether there were a sufficiently large number of Chinese and/or Russian authors to warrant a dedicated editor (or editorial contact) to coordinate emails, since there were a number of bounced, filtered, or otherwise lost emails between the US and China.

7. 2019 Conference Update (Wixom)

The 21st Biennial International Conference will be held in Portland, Oregon, June 16-21, 2019, and co-chaired by Ryan Wixom (Sandia), Joe Zaug (LLNL), and David Damm (Schlumberger). The SCCM conference is still small enough to fit in a downtown hotel (Hilton Portland Downtown) rather than the convention center. Two meeting rooms will be on the top floor, requiring some care in assigning sessions to try to minimize movement and elevator congestion. APS Meetings was contracted to handle the meeting logistics, and APS will host abstract submission, sorting, and the meeting website, as well as the APS application / downloadable PDF (no bulletin will be printed). It was suggested that a portable (e.g. one page) summary of sessions and map be provided, at least in a printable PDF format. It was asked whether this might allow for a more dynamic scheduling, e.g. filling gaps in the program by promoting abstracts that had been moved to posters, and/or talks from the student symposium. Efforts to promote diversity and inclusion were solicited; Damian Swift noted some successful efforts (e.g., childcare) that were introduced at the 2017 meeting, as well as ideas raised at the 2017 Business Meeting. The technical committee and other volunteers are being assembled now, invited speakers will be finalized in September 2018, and abstract submission will open in October 2018. Brian Jensen pointed out that APS would be willing to provide diversity, career, grant-writing, and other talks and workshops, perhaps as part of the Sunday student symposium. A draft set of sorting categories was presented, including two focus topics: Advances in Numerical Techniques, and Extreme Conditions Transport Properties (the definition and distinction of the latter one was a bit unclear).

8. Other items (open to floor)

Harry Radousky asked how many APS Fellowship slots GSCCM has; the answer was 1-2, depending on membership count, which is always higher in biennial conference years than off-years. Tracy Vogler asked about the endowment for the Duvall Award, and whether we should be making regular transfers from operating funds to the endowment. Ryan Wixom asked about the March Meeting focus sessions, and noted the importance of maintaining or even growing those to boost our off-year membership. Matt Lane noted that APS can help provide membership information, such as who is about to lapse; it would be interesting to see whether the regular oscillation in membership count is due to the same members dropping and re-joining, or new students/postdocs joining in conference years. Brian Jensen noted that the Executive Committee is working to document the duties and timeline for different committee members, and Ryan Wixom said the same type of documentation is being done for conference organization.

9. Adjourn (Jensen)

The meeting was adjourned at 6:56 pm.

Appendix A – Business meeting attendees

Mike	Furnish	SNL
Tim	Germann	LANL
Brian	Jensen	LANL

Matt	Lane	SNL
Harry	Radousky	LLNL
Damian	Swift	LLNL
Tracy	Vogler	SNL
Ryan	Wixom	SNL
Joe	Zaug	LLNL