

ACerS Electronics Division Business Meeting

Monday, 24 October 2016

Marriott Downtown at City Creek, Rm. 255F

Salt Lake City

Meeting Chair: Haiyan Wang, Chair (Purdue University)

Meeting Minutes: Rick Ubic, Secretary (Boise State University)

Also Present: Geoff Brennecka (Colorado School of Mines), Brady Gibbons (Oregon State University), Jon Ihlefeld (Sandia National Lab), Winnie Wong-Ng (NIST), Ed Gorzkowski (NRL), Alp Sehirlioglu (CWRU), Xiaoli Tan (Iowa State University), Danilo Suvorov (Jožef Stefan Institute), Steve Tidrow (Alfred University), Fred Marlton (UNSW), Jacob Ing (Colorado School of Mines), Michael Walden (Colorado School of Mines), Austin Fox (Oregon State University), Amar Bhalla (UTSA), Hitoshi Ohsato (Nagoya Industrial Science Research Institute), Erica Zimmerman (ACerS), Vojislav Mitic (University of Niš), Tom Hinklin (Ceramatec)

The meeting was called to order at 12:20pm.

I. Presentation of Global Ambassador tie and pin (JS)

Jay Singh (outgoing ACerS president) presented Amar Bhalla with an ACerS Global Ambassador pin and ACerS tie.

II. Outgoing Chair's Report (HW)

A. Membership for 2016 is 867 (down from 919 in 2015, which was the highest point since 2004 partially thanks to the efforts of ST and Tim Haugan), but HW and ST explained that the real number once members of some new international MA chapters were accounted for (their renewals have been unaccountably delayed) should be ~960.

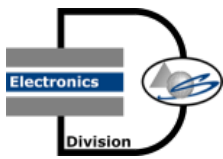
B. The budget for 2015-16 was \$8670 (\$10/member) plus \$2500 supplemental funding. Including investment in EMA 2017 this money should be spent down.

C. ED members being elevated to Fellows this year:

1. Chonglin Chen (University of Texas at San Antonio, Texas)
2. Kazumi Kato (National Institute of Advanced Industrial Science and Technology, Nagoya, Japan), and
3. Hitoshi Ohsato (Nagoya Industrial Science Research Institute, Japan)

D. EMA 2016 summary

1. EMA 2016 had \$9000 in external support from the Army Research Office, the Center for Integrated Nanotechnologies (CINT) national user facility, 3M, MTI, and Radiant Technologies, Inc., as well as support from ACerS, ED, and BSD.



2. There were 359 abstracts submitted (the most ever), divided amongst 11 symposia; and 41% of the talks were invited.
3. Submissions were received from 32 countries.

III. Presentation of plaque (WWN)

Winnie Wong-Ng (outgoing Trustee) presented a plaque to Haiyan Wang (outgoing ED Chair) to thank her for her leadership over the past year.

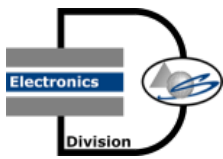
IV. Incoming Chair's Vision (GB)

A. New Executive Committee for 2016-2017:

1. Chair: Geoff Brennecka (Colorado School of Mines)
2. Chair-Elect: Brady Gibbons (Oregon State University)
3. Vice Chair: Rick Ubic (Boise State University)
4. Secretary: Jon Ihlefeld (Sandia National Lab)
5. Secretary-Elect: Alp Sehirlioglu (Case Western Reserve University)
6. Trustee: Steve Tidrow (Alfred University)

B. EMA 2017

1. There will be 15 symposia, eight of which are new (so the percentage of invited talks will naturally be higher).
 - a. Of all the 12 talks in Symposium 3, 11 are invited.
 - b. Of the 28 talks in Symposium 10, 24 are invited.
 - c. The high percentage of invited talks, which are scheduled for 30 mins, with respect to contributed ones, which are scheduled for 15 mins, has made scheduling extremely difficult and has necessitated the use of eight concurrent sessions throughout the meeting (except during plenaries).
 - d. Various strategies for either reducing the number of invited talks or reducing the time allocated for them were discussed – this is something future EMA organizers will have to plan for *in advance*. The conference cannot grow with the current model.
 - e. The usefulness of using invitations to ensure future participation in the conference was debated.
2. ~40-50 additional students (ECerS/ACerS) are expected to attend as part of the Winter Workshop.
3. \$8000 in sponsorship has been received so far from CINT, FEI, and Radiant Technologies, Inc.
4. A total of 398 abstracts have been received:
 - a. 2 plenaries
 - b. 189 invited
 - c. 157 contributed
 - d. 50 posters (including 4 “featured” posters and 26 from students)
 - e. 72 student talks (~21%)



C. Plan

1. Meetings

- a. EMA: Maintain strength of meeting without losing identity.
- b. MS&T, PacRim, *etc.*: Highlight ongoing efforts, minimize duplication of efforts.

2. Strengthen leadership pipeline: Reinvigorate committee activities

3. Publications

- a. Webpage: Update info, add highlights noted elsewhere, host educational content, simplest link to international members. Beth Paisley (Sandia National Labs)
- b. Journals: ED members are well-represented in JACerS, JACT, and many non-ACerS journals, but visibility can be improved

4. Member Engagement

- a. Ed Sabolsky (West Virginia University), Lauren Garten (National Renewable Energy Lab)
- b. Industry: ~40% of Division membership, but little interaction
- c. International: ~40% of Society membership, but limited engagement
- d. Students & YP: leverage EMA; extend opportunities. Claire Xiong (Boise State University), Jenny Andrew (University of Florida), and Brian Donovan (US Naval Academy)

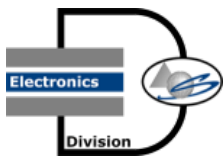
5. History

- a. 2017 will be the 60th anniversary of ED, which emerged from the Whitewares Division in 1957.
- b. Ed Gorzkowski (Naval Research Lab)

6. Budget

- a. Total projected budget: ~\$8700 + \$2500 in likely supplemental funds
- b. Projected expenditure
 - i. MS&T: \$2000
 - ii. Hoffmann: \$2200
- c. Henry: \$800
- d. EMA 2018: \$5000
- e. Student initiatives: \$1000
- f. Buffer: \$200

D. GB thanked Winnie Wong-Ng for her long service as Trustee and welcomed Steve Tidrow into the role.



V. Awards presentations (JI)

- A. Lewis C. Hoffman Scholarship: Mallory Purnell
(Missouri University of Science and Technology)

- B. Edward C. Henry Award: Neamul H. Khansur, Tadej Rojac, Dragan Damjanovic, Christina Reinhard, Kyle G. Webber, Justin A. Kimpton, and John E. Daniels, "*Electric-Field-Induced Domain Switching and Domain Texture Relaxations in Bulk Bismuth Ferrite*," *Journal of the American Ceramic Society*, 98 [12] 3884-3890 (2015).

VI. Proposed Changes to Rules/SOP (JI)

- A. Rules
 1. A change was proposed to reconcile the current discrepancy between the description of the role of the Nominations Committee in the Rules with that in the SOP.
 2. This change must be brought to the entire ED membership for a vote (as described in our very out-dated Rules, article E-11). Erica may be able to help us with this process, as Marcia did last year. A two-thirds majority of the votes cast is required for passage.
 3. If passed, the measure will ultimately have to be approved by the ACerS Board of Directors.

- B. SOP changes discussed and accepted for balloting by the ED voting membership (*i.e.*, all members except student members)
 1. Changes were proposed for the Committee on Awards and Scholarships to:
 - a. reflect the fact the certificates, not plaques, are now given for the Edward C. Henry Award
 - b. adjust the allowed composition of the scrutinizing committee for the Edward C. Henry Award
 - c. change the number of student presentation awards from a "maximum of two" to a "minimum of two", recognizing that we have traditionally given three such awards per year.
 - d. change the name of the student presentation awards and alter how the monetary prize amounts are specified
 - e. remove references to the "Fall Meetings" from the student presentation awards, as these are traditionally given at EMA, not MS&T.
 2. Copies of these proposed changes must now be sent to the Society Parliamentarian (Dave Johnson) for approval, after which they can be sent to the entire ED membership for balloting, as detailed in the SOP.
 3. A two-thirds majority of the votes received is required for passage.
 4. The wording of the SOP concerning the Hoffman and Henry awards is meant to reflect that in the Society Procedures Manual, which is part of the Society Constitution; therefore, any changes in the SOP referring to these awards, which are approved by the ED membership, will have to ultimately be approved by the ACerS Board of Directors.

VII. Election to Nominating Committee

- A. The Nominating Committee is chaired by the outgoing Division Chair (HW) and consists of two additional elected members
- B. Candidates included Ed Gorzkowski, Xiaoli Tan, and Voja Mitic.
- C. Ed Gorzkowski was deemed ineligible, as he served last year and, according to Rules E-6, members “serve for one year and are not eligible for re-election prior to the third succeeding year”; therefore, Xiaoli Tan and Voja Mitic were elected to this committee.
- D. Procedural Anomaly
RU observes that by sending nominees for the Nominating Committee out of the room during balloting, we both strip them of their right to vote (voting members each had *two* votes, so assuming each candidate would vote for themselves plus one other person, we are denying them the right to cast that remaining vote) and risk our quorum. Quorum requires at least 15 voting members (*i.e.*, members other than student members). In future we need to do this by some form of written secret ballot.

The meeting closed at 1:14pm.

