

## **ACerS Electronics Division Executive Committee Meeting**

Sunday, 23 October 2016

Marriott Downtown at City Creek, Solitude Room

Salt Lake City

### Executive Committee Members:

Chair:	Haiyan Wang	Geoff Brennecka
Chair-Elect:	Geoff Brennecka	Brady Gibbons
Vice-Chair:	Brady Gibbons	Rick Ubic
Secretary:	Rick Ubic	Jon Ihlefeld
Secretary-Elect:	Jon Ihlefeld	
Trustee:	Winnie Wong-Ng	

Meeting Chair: Geoff Brennecka, Chair-Elect

Meeting Minutes: Rick Ubic, Secretary

Also Present: Alp Sehirlioglu, Jon Ihlefeld, Brady Gibbons, Winnie Wong-Ng, Steve Tidrow, Fred Marlton (PCSA divisional delegate), Erica Zimmerman (ACerS staff liaison)

The meeting was called to order at 1:00pm.

### **I. Apologies**

Haiyan Wang (arrived late)

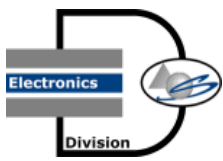
### **II. Roles of Vice-Chair and Chair-Elect**

- A. BG pointed out that the current ED Rules do not give the vice-chair (currently BG) much of a role; however, RU observes that, apart from assisting the Chair and succeeding as Chair-Elect at the end of his/her term (E-4.5),<sup>1</sup> the vice-chair is also meant to chair the Committee on Programs and Meetings (E-10.7), in which capacity he/she is meant to plan and run “the current Fall and Annual meetings of the Division.” The description of the role in the SOP agrees with that in the Rules.
1. Clearly the Division does not currently operate this way, as it is traditionally the Division Chair who has chaired this committee, although he/she is still Chair-Elect for most of the planning of the annual divisional meeting (EMA).
  2. It is actually the Chair-Elect who has a limited role in the Division as defined by the Rules and SOP. Apart from assisting the Chair and succeeding him/her (E-4.4), there is no other defined role for the Chair-Elect. Traditionally he/she has been involved with the planning of *the next* EMA meeting (see II.A.1. above).

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<sup>1</sup> Note: there is a typographical error in E-4.5 which should be corrected in the official version of the Rules:

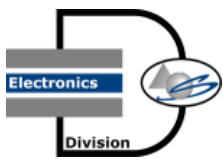
*5. The Vice-Chair shall assist the Chair as requested and shall succeed to the office of Chair-Elect [sic] at the conclusion of the term as Vice-Chair. (See Article E-10.7.)*



- B. It was decided during the ED kick-off/SWOT analysis conference call on 3 November 2015 that a committee chaired by the Vice-Chair (BG) and including HW, GB, and RU would help coordinate the nomination of ED members for Society awards and fellowships. The role of the Vice-Chair as awards coordinator was confirmed both at the ED executive committee meeting on 20 January 2016 and during the follow-up ED teleconference on 8 March 2016; however, BG indicated that not much had been accomplished this year.
1. The role of divisional awards/fellow coordinator might be added to the official duties of the divisional Vice-Chair, as the way the Division currently operates this officer does not have much of a role, and the chairmanship of the Committee on Programs and Meetings shifted to the Chair. This would bring our *Rules/SOP* in line with current practice and would seem the easiest of the three options. It would also mean that EMA 2018 would be chaired by Brady, as planned.
  2. The role of divisional awards/fellow coordinator might be added to the official duties of the divisional Chair-Elect, as the Division Rules do not give this officer much of a role; and the chair of the Committee on Programs and Meetings would be the Vice Chair, supported by the Secretary and Secretary-Elect, both of whom are also meant to be members of the Committee on Programs and Meetings. This would bring our *practice* back in line with our *Rules/SOP* and would mean that EMA 2018 would be chaired by Jon.
  3. The role of divisional awards/fellow coordinator might be added to the official duties of the divisional Vice-Chair, and the chairmanship of the Committee on Programs and Meetings shifted to the Chair-Elect in order to relieve some of the burden of the Chair. This would mean that EMA 2018 would be chaired by Rick.
  4. RU observes that, whatever is decided, the Division Rules and SOP should be updated if for no other reason than to allocate the role of divisional awards/fellow coordinator.

### III. Membership and Budget

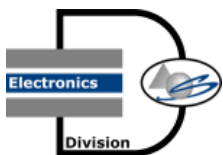
- A. Membership for 2016 is 867 (down from 919 in 2015, which was the highest point since 2004 partially thanks to the efforts of ST and Tim Haugan), but HW and ST explained that the real number once members of some new international MA chapters were accounted for (their renewals have been unaccountably delayed) should be ~960.
- B. The budget for 2015-16 was  $\$8917 + \$2500 = \$11,417$ , most of which will be spent down by the end of the year.
- C. A budget of \$750 is left to purchase three ACerS demonstration kits for new MA chapters. BG will investigate exactly where to send these.



- D. Some discussion of the \$10/member allocation with regards to Jay Singh's comments at the Board of Directors and Division Leaders Meeting earlier this morning.
- E. GB and ST reported that the Ceramic and Glass Industry Foundation (CGIF) University-Industry Network is designed to encourage universities across the world to continue teaching key concepts in ceramic and glass science.
  - 1. This program provides financial and programmatic resources to key professors at participating universities to give their undergraduate students more opportunities to develop an interest in the ceramic and glass fields.
  - 2. It helps connect students with champions in industry who utilize ceramic and glass materials.
  - 3. Funding is available to each university member to support programs and initiatives that deepen a student's understanding of and interest in ceramic and glass materials.
  - 4. Five universities were selected to pilot the program in 2015-2016: Alfred University (Bill Carty), The Colorado School of Mines (Brian Gorman), Penn State (Gary Messing), Missouri University of Science and Technology (Bill Fahrenholtz), and Clemson University (Raj Bordia).
  - 5. The scheme *may* be continued

#### **IV. Fellows and Awards**

- A. 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)
- B. Other awards to ED members
  - 1. Distinguished Life Member: Harry Tuller (Massachusetts Institute of Technology)
  - 2. Medal for Leadership in the Advancement of Ceramic Technology: A.N. Sreeram (Dow Chemical Company)
  - 3. Du-Co Ceramics Young Professional Award: Ed Gorzkowski (Naval Research Laboratory)
  - 4. Ceramic Education Council's Outstanding Educator Award: Wayne Huebner (Missouri University of Science and Technology)
  - 5. Robert L. Coble Award: Lane W. Martin (University of California-Berkeley)
- C. Awards of the ED
  - 1. Lewis C. Hoffman Scholarship: Mallory Purnell (Missouri University of Science and Technology)
  - 2. 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).

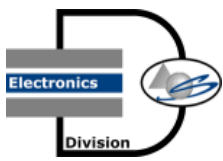
- a. Seven separate checks will be posted individually.
  - b. Certificates, not plaques, will be issued.
3. HW thanked JI for his efforts in coordinating these awards this year.

## V. EMA 2016 Report

- A. BG reported that EMA 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.
- B. The conference is booked at the DoubleTree by Hilton Orlando at Sea World through 2018. Attendees are not unhappy with the hotel, and other hotels are significantly more expensive.
- C. There were 359 abstracts submitted, divided amongst 11 symposia; and 41% of the talks were invited.
- D. EMA 2018 will be programmed immediately following the 6<sup>th</sup> International Workshop on Piezoelectric MEMS also in Orlando.

## VI. EMA 2017

- A. GB reported that the hotel is currently undergoing renovations which will *probably* be completed by the time of the conference; otherwise, rooms in the tower *may* be available.
- B. There will be 15 symposia, eight of which are new (so the percentage of invited talks will naturally be higher).
  1. Of all the 12 talks in Symposium 3, 11 are invited.
  2. Of the 28 talks in Symposium 10, 24 are invited.
  3. 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).
  4. 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.
  5. The usefulness of using invitations to ensure future participation in the conference was debated.
- C. ~40-50 additional students are expected to attend as part of the Winter Workshop.
- D. \$8000 in sponsorship has been received so far from CINT, FEI, and Radiant Technologies, Inc.



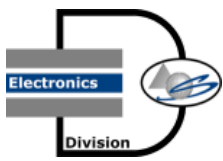
- E. A total of 398 abstracts have been received:
  - 1. 2 plenaries
  - 2. 189 invited
  - 3. 157 contributed
  - 4. 50 posters (including 4 “featured” posters and 26 from students)
  - 5. 72 student talks (~21%)

## VII. Special Guests

- A. Jay Singh (outgoing ACerS president)
  - 1. recapped the morning’s Division Leaders discussion
  - 2. unusually, the Arts side is now being subsidized by the rest of the Society (Ceramic Publications Company) for now, although for most of the past decade, the technical side has been very close to break-even and the arts side has contributed most of the surplus
  - 3. commended ED for its activities
  - 4. promoted the Global Ambassadors program, which recognizes up to 15 dedicated ACerS volunteers worldwide per year who demonstrate exceptional leadership and/or service that benefits the Society, its members, and the global ceramics and glass community.
  - 5. discussed various globalization projects
- B. Bill Lee (incoming ACerS president)
  - 1. hopes particularly to expand international aspects of ACerS (ED specifically praised for its international nature)
  - 2. a new UK chapter has been created
  - 3. Global PhD award idea floated

## VIII. Incoming Chair’s Vision

- A. Meetings
  - 1. EMA: Maintain strength of meeting without losing identity.
  - 2. MS&T, PacRim, etc.: Highlight ongoing efforts, minimize duplication of efforts.
- B. Strengthen leadership pipeline: Reinvigorate committee activities
- C. Publications
  - 1. Webpage: Update info, add highlights noted elsewhere, host educational content, simplest link to international members. Beth Paisley (Sandia National Labs)
  - 2. Journals: ED members are well-represented in JACerS, JACT, and many non-ACerS journals, but visibility can be improved
- D. Member Engagement
  - 1. Ed Sabolsky (West Virginia University), Lauren Garten (National Renewable Energy Lab)
  - 2. Industry: ~40% of Division membership, but little interaction
  - 3. International: ~40% of Society membership, but limited engagement



4. Students & YP: leverage EMA; extend opportunities. Claire Xiong (Boise State University), Jenny Andrew (University of Florida), and Brian Donovan (US Naval Academy)

#### E. History

1. 2017 will be the 60<sup>th</sup> anniversary of ED, which emerged from the Whitewares Division in 1957.
2. Ed Gorzkowski (Naval Research Lab)

#### F. Budget

1. Total projected budget: ~\$8700 + \$2500 in likely supplemental funds
2. Projected expenditure
  - a. MS&T: \$2000
  - b. Hoffmann: \$2200
    - i. This fund is not allowed to let fund go below \$20k.
    - ii. ST proposed investigating the possibility of contributing to this fund in order to secure its self-sufficiency.
  - c. Henry: \$800
  - d. EMA: \$5000
  - e. Student initiatives: \$1000
  - f. Buffer: \$200
3. Divisional budgets which are determined by headcount encourage unhealthy competition within the Society.
  - a. ECD pays the \$10 registration fee for graduate students for one year, and most of these students never change their divisional affiliation afterwards.
  - b. Various other models for distributing Society funds to the Divisions were discussed.

### IX. Global Graduate Research Network

- A. GB reported that GGRN is not a student organization but a membership category particularly for international graduate students without local MA chapters. The GGRN bypasses MA.
  1. dismayed other MA member Societies because it violates the initial agreement which formed MA.
  2. MA is of little use to graduate students and maybe should be just for undergraduates anyway.
  3. Discussions are ongoing
- B. These students can be contacted by ED without going through MA

### X. Global PhD award

- A. Pros and cons discussed
  1. Disparities in style, subject, *etc.* were the main concern.
  2. Soliciting nominations – then judging – would also be potentially problematic.
- B. ED is awaiting details



## XI. Publications

Consultant recommends moving away from current JACerS model with one senior editor, three other editors, and hundreds of associate editors to a model with a single EiC and ~20 associate editors.

- A. An EiC is currently being sought.
- B. The motivation is to speed up the editorial process, but GB observed that it is Wiley which is the cause of most slowness.

## XII. Proposed Changes to Rules/SOP

*To be further discussed at the General Business meeting tomorrow*

### A. Rules

1. Changes 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.
2. E-11 should be among the next batch of proposed changes.
3. The rules don't specify who should do the ballot counting, but in order to avoid the appearance of a conflict of interest, perhaps Erica (or someone else within the Society but outside ED) can do it; and assuming we get a 2/3 majority in favor, she can let GB know that the measures can then be brought to the Board.

### B. SOP

1. Changes in the SOP referring to awards (all of them) that are also in the Society Constitution Procedures Manual will additionally have to be approved by the Board.
2. The apparent 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.
3. While the Division may change its SOP, there should be conformity between the SOP and the Procedures Manual for these awards. Dave will have to modify the Procedures Manual accordingly, and any changes to the Society Procedures Manual will need Board of Directors Approval.

The meeting closed at 3:00pm.



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