

Electronics Division Leadership Meeting  
Tuesday, March 28, 2017, 16:00 EST

Present:

Chair: Geoff Brennecka (Colorado School of Mines)

Chair-Elect: Brady Gibbons (Oregon State University)

Secretary: Jon Ihlefeld (Sandia National Laboratories)

Members: Ed Gorzkowski (US Naval Research Laboratory), Lauren Garten (National Renewable Energy Laboratory), Brian Donovan (US Naval Academy), Claire Xiong (Boise State University), Elizabeth Paisley (Sandia National Laboratories), Jennifer Andrew (University of Florida)

*Action items are underlined, in italics, and in blue font.*

#### **ACerS Board Update:**

Geoff gave an update on ACerS Board activities. The board is moving forward with consolidating education related activities into a single class, eliminating the Ceramic Engineering Council, NICE, etc. New wording is being added to the Society Rules for a student representative to join the board for each meeting. This is similar to what the EDiv has done with their PCSA delegate. The Society is moving forward with a “Best Thesis” award. One award will be granted per year with the criteria for judging to be decided.

#### **Division Leadership Update:**

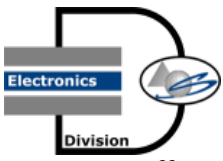
Haiyan, the Chair of the Nominations Committee, was unable to attend the call and provide an update on the selection process for the next Secretary-Elect of the Division. A number of candidates have been contacted and discussed and a decision from the committee is needed.

#### **Division Rules Discussion:**

An update to the Division Rules and S.O.P changes/corrections was given by Jon. The changes and corrections discussed in the prior leadership meeting will be sent to David Johnson, Society Parliamentarian to ensure that we aren't in conflict with any Society Rules with our changes. Once these changes are approved by David Johnson, a petition to be signed by 10 EDiv members will be assembled and submitted to the Society. Upon approval of the petition, we will ask Erica Zimmerman at ACerS to put the changes up for vote among the Division members.

One critical change will be when Officer positions will serve as EMA chairs. The proposed changes will make the Chair-Elect and Vice-Chair (at the time of the meeting) and Vice-Chair and Secretary (for the majority of the organization period) run the EMA meeting (now CoEAM meeting).

Geoff discussed a desire to formally have a student serve on the executive committee of the Division. A discussion around how the student is identified and selected commenced. Currently, PCSA selects the student and this student attends the EDiv Leadership and Business meetings at MS&T. Geoff pointed out that the timing of the PCSA selection is late and makes it difficult to integrate the student into the Division leadership. There is a desire to use Division funds to help



offset travel costs for this student. It was discussed that the most value may be for the student to attend the EMA (CoEAM) meeting, where a larger EDiv membership is present. Brady suggested that we could offset the PCSA delegate by a year so that they student would attend CoEAM the next year. Geoff added to this and thought that we could use this as an opportunity to extend the involvement of the PCSA delegate. Brian Donovan indicated that PCSA already supports (partially) attendance at MS&T, so he leaned toward travel support for CoEAM. [Brian was tasked with writing up some verbiage around this.](#)

Moving the EDiv Annual Business Meeting from MS&T to CoEAM was brought up by Geoff. Jon wondered if such a move required a Division vote and Brady felt that we should get more input from the larger membership community. Geoff did point out that at least two other divisions do not hold their Business Meetings at MS&T, so there is precedent for such a change. Both Geoff and Brady highlighted that EMA (CoEAM) has more EDiv members in attendance than MS&T, thus warranting such a move. [Brady was tasked with determining a best means to get input from the Division members.](#)

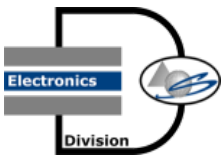
#### **Conference on Electronic and Advanced Materials (formerly EMA) Update:**

Brady provided an update on CoEAM planning. Currently there are 15 proposed symposia (not including the Failure symposium or the 5 BSD symposia). Brady, Rick, and Jon held a teleconference on 3/28/17 to discuss the meeting. Jon was tasked with contacting 3 of the symposium organizers regarding combining their symposia on Multi-scale integration into one symposium. Brady will contact BSD organizers about combining a proposed computation symposium with the BSD computation symposium. Brady will also send a reminder to all symposium organizers about guidelines for appropriate numbers of invited talks. Brady is also going to ask the organizers of S1 to pare down their topics to specifically exclude energy materials, since there is a new unique energy materials symposium. It was decided to keep the standard talk lengths (15/30) at CoEAM, rather than making all talks a single length. It was noted that Rick has a desire to make all talks the same length (as is done in the EDiv's MS&T symposium), but that Jon and Brady both desired to keep the same format. Brady discussed some possible changes to the lunch-time sessions. Clive Randall has been pushing for an "impact" discussion related to materials research, which could be a good lunch topic. Also, we could hold the EDiv Business meeting at Lunch. Brady noted that BSD has selected their plenary speaker, Roger De Souza.

Brady discussed that the PiezoMEMS meeting will be held in the same hotel as CoEAM in the preceding 2 days. Ron Polcawich is working to get sponsors for that meeting and Brady noted that we must be careful not to overextend our generous supporters. A discussion of past supporters followed. 3M, Army Research Office, MTI, and CINT have all supported EMA in the past and are good places to approach for this meeting.

#### **Budget:**

Geoff discussed the Divisions budget. Currently we don't have close-out of 2017 EMA, so the budget is in limbo.



Geoff also initiated a discussion of the Supplementary Funds (\$2500). Geoff seeks ideas on what to propose to the Society for use of these funds. Brady suggested that we should use these to increase diversity both in the meetings and on our leadership team. All were in agreement on this need. Lauren suggested that we could use the funds for a “Diversity Travel Fellowship.” Ed pointed out that DoD labs have verbiage for government diversity travel and suggested using supplemental funds to send undergrads to EMA to bolster the Winter Workshop. Geoff and Brian indicated that the Winter Workshop will be held in Daytona this year and that there is a risk of students leaving CoEAM early and missing the Failure Symposium. Workshop planning is behind schedule at this time.

Geoff outlined the spending of last years’ funds: \$1000 for student delegate to EMA, ½ comps for young professionals at MS&T, and the purchasing two demo kits. A discussion of past spending of supplemental funds highlighted memberships and teaching kits targeted to schools in Thailand and Columbia. Geoff pointed out that there is no known follow-up with these schools – and there must be if there is to be long-term impact. Retention numbers on these international members are not known.

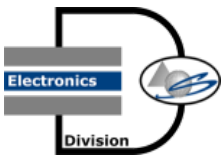
#### **Marketing:**

Geoff brought up EDiv Marketing. Erica Zimmerman has asked for ‘fodder’ to be used for marketing. Specific information requested includes: “why did we join EDiv,” “Why should other people join,” and information on what the Division’s “Grand Challenges” are. [Geoff will forward this request to the group.](#) Lauren suggested that we look to the National Academy’s report on grand challenges to look for ties. [All members are encouraged to email Geoff with ideas.](#)

Beth discussed activities to enhance the webpage. A ‘Research Highlight’ has been added with a goal of updating this quarterly. The current highlight is the JACerS paper that received the Henry Award last year. Beth seeks ideas on how to get more highlights. Ed suggested contacting April Gocha at ACerS, who is one of the staff responsible for the Ceramic Tech Today highlights and to ask her to filter out Electronic Ceramic highlights. Geoff suggested that we could contact the Journal Editors to have them send us good papers. One mechanism is that all submissions to the Journal are now scored for “Award Worthiness” by the Editors. Electronics papers selected as “Award Worthy” may be good to pass along. Brady noted that the webpage has incomplete data on it. The last EDiv Business Meeting update is from 2014. [Geoff will send the latest versions to Beth to post.](#)

#### **Student Interactions:**

Brian noted that EMA is good for student involvement with the Division, but that MS&T was lacking. Given the large student population at MS&T, however, it could present a good opportunity to get students interested and involved with the Division. Clair discussed the use of Material Kits to build connections. Geoff indicated that we especially need to follow up with the Materials Advantage Chapters that receive these kits to realize an impact. [Brian was tasked with identifying the chapters that we’ve sent kits to and asking those chapters to send us a blur discussion what they’ve done with it.](#) Geoff mentioned that PCSA is assembling a master list of



ACerS members in close proximity to MA chapters. A discussion of using this to connect EDiv members with chapters ensued.

Claire discussed increasing awareness of Student Awards. Geoff noted that advertising for the awards has been offloaded to ACerS staff. Brian would like to see us advertise student contests better. Claire noted that ECS has a student speaking competition that students submit an abstract to. The competition is a 'flash' presentation and all students are scored.

Geoff noted that we have some ideas, but we need to decide on some more formal mechanisms. It is likely too late for MS&T, given the abstract submission deadline. He also noted that EMA is still strong for students and that EMA has comped student registrations in the past. This past year, PIs that brought a large group of students were comped instead.

#### **History Committee:**

Ed had no update on efforts to commemorate the 60<sup>th</sup> anniversary of the Division. He did mention that we could do something at PacRim or MS&T. It was noted that not many Division members will be at PacRim.

#### **Membership Committee:**

Lauren would like ACerS staff to pass along marketing information. She thought that it would be good to take fliers to MRS and IEEE meetings to increase awareness. Lauren also noted how difficult it is to change ACerS Division Membership. It appears to be impossible from the website and requires a phone call or written letter. Geoff noted that this is an ongoing problem and that he would like us all to be vocal about this with ACerS staff.

#### **MS&T:**

Geoff brought up a discussion of Division involvement in MS&T. He wants to know if we should increase involvement or cut our losses – he is looking for some leadership on this. Brady suggested that Rick would be a good leader for this as he has ongoing involvement with symposium organization at MS&T. Ed offered to help Rick in some capacity. Geoff noted that technical programming would be a good place to start. [\*Ed will email Rick to offer his assistance.\*](#) [\*Brian offered to help with student activities.\*](#)

#### **Awards Committee:**

Geoff noted that we've ramped up efforts over the past few years to nominate more EDiv members for Society awards. That effort, however, has dropped off. It was noted that the outgoing Chair should help with this. The Fellow nomination deadline has been moved to September. All other award deadlines are in January, which conflicts with our CoEAM meeting. We need to start this process prior to MS&T, if we are to be successful. [\*Please send Geoff suggestions for how to better implement this.\*](#)