

ACerS Electronics Division Executive Committee Meeting

Monday October 5, 2020

Virtual Meeting over Zoom

Executive Committee Members:

Chair	Jon Ihlefeld
Chair-Elect:	Alp Sehirlioglu
Vice-Chair:	Claire Xiong
Secretary:	Jennifer Andrew
Secretary-Elect:	Ed Gorzkowski
Trustee:	Steven Tidrow

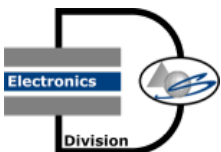
Meeting Chair: Jon Ihlefeld

Meeting Minutes: Jennifer Andrew, Secretary

Also Present: John Blendell, Geoff Brenneka, Elizabeth Dickey, Yanhao Dong, Brady Gibbons, Kimberly Gliebe, Kevin Huang, David Johnson, Jurij Koruza, Beth Paisley, Wolfgang Rheinheimer, Erik Spoerke, Matjaz Spreitzer, Kevin Thompson, Michael Thuis, Rick Ubic, Alexander Vaeth, Haitao Zhang, Erica Zimmerman

The meeting was called to order at 12:35pm EDT.

1. Outgoing Chair's report (Jon Ihlefeld)
 - a. JI called the meeting to order, established that there was a quorum. JI reviewed priorities and initiatives for 2019, which included cultivating interest in electronic ceramics, commemorating the 100th anniversary of ferroelectricity, and re-populating our committees.
 - b. The ACers_EDiv Instagram account helped celebrate the accomplishments of our students.
 - c. Two articles were published in The Bulletin commemorating the 100th anniversary of ferroelectricity.
 - d. The Division helped support the Materialism podcast out of the University of Utah.
 - e. The division is sponsoring 44 student conference registrations and GGRN membership fees at EMA 2021. We are working to support ~100 total registrations and GGRN memberships, targeting under-represented groups to promote their attendance at EMA 2021, and long-term membership with ACers and EDiv.
 - f. Talks were initiated with iNEMI via Nate Orloff (Chair of Corporate Outreach Committee) regarding joint programming at a future EMA meeting.
 - g. Total EDiv membership is 762 as of 9/3/2020. Membership is down 6%, while the society as a whole is down ~5%.
 - h. JI reported on division finances. As if the meeting we have an anticipated balance of \$6800 after considering current commitments. The division

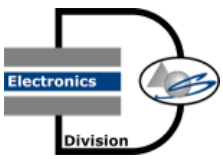


received \$2,475 in supplemental funding for EMA2021 student registration and GGRN memberships.

- i. Action Items: Sustained efforts moving forward to continue these initiatives. Continue to promote that ACers members can be part of three divisions. Recruitment and retention of members.
2. Division Awards Presentations (Ed Gorzkowski)
 - a. EG announced the 2020 EDiv Fellows: Scott Barnett (Northwestern), Jon-Paul Maria (Penn State), Xiaoli Tan (Iowa State), Rick Uvic (Boise State)
 - b. EG announced that Kevin Talley (Colorado School of Mines) won the 2020 Morgan Medal and Global Distinguished Doctoral Dissertation Award.
 - c. EG announced the 2020 Ross Coffin Purdy Award was given to Fei Li et. al's paper entitled "Ultrahigh piezoelectricity in ferroelectric ceramics by design," *Nature Materials*, vol 17, 349, 2019.
 - d. EG announced the Richard M. Fulrath award was given to Tomoaki Yamada (Japan Academic), Shashank Priya (US Academic), and Edward Gorzkowski (US Industrial).
 - e. EG announced the Medal for Leadership in the Advancement of Ceramic Technology was awarded to Scott L. Swartz (CEO, Nexceris).
 - f. EG announced the winner of the Lewis C. Hoffman Scholarship was awarded to Eric Knowles (North Carolina State University).
 - g. EG announced the Henry Award was awarded to "Fabrication of $0.24\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.42\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.34\text{PbTiO}_3$ transparent ceramics by conventional sintering technique" *J. Amer. Ceram. Soc.*, 102, 1240, 2019 the authors are Ichiro Fujii, Saki Nakashima, and Takahiro Wada.
3. Update on Division Conference Activities (Claire Xiong)
 - a. EMA2021 will be held virtually. Currently we have 15 symposia. The plenary speakers will be Despina Louca (Virginia) and Haiyan Wang (Purdue). To date ACS Applied Electronic Materials and 3M have agreed to sponsor the meeting. The conference will include a sponsor showcase, career panel, failure talks, and a virtual room for networking. Funds have been secured to support student registration and membership. The topics of the tutorials are TBD. The abstract deadline is October 13, 2020.
 - b. The division has 9 symposia that are organized with EDiv members at MS&T 2020. Six are solely sponsored by EDiv. For MS&T 2021 there are 8 symposia organized by EDiv.
4. Presentation on Division Rules and Standard Operating Procedure Revisions Followed by Accepting for Balloting by Voting Members (Jon Ihlefeld)
 - a. Revisions to Officer Selection Practices
 - i. JI proposed making changes to the rules regarding nominations/elections. This is to ensure conformity between EDiv Rules and SOP and historical practice in the succession of officers.

This would have to be approved by the Society Parliamentarian. The change would involve deleting Article E-6 rules 3 and 4. This would allow the nominating committee to select the next Secretary-elect or trustee. This is the current Division practice.

1. GB made a motion to vote on change to the Rules and SOP regarding the move to balloting. The motion was seconded by RU. The vote was 18-0 in favor. This will now go to a vote to the entire division.
 - b. Addition of an Outreach Committee
 - i. JI presented a plan to amend the division rules and SOP to formalize the outreach committee. This committee has been an ad hoc committee for several years, but are among the most active. The Proposed rule change would be New Article E-10.22. Additionally, new language will be added to the SOP for the committee on outreach.
 1. BG made the motion to form an outreach committee. The motion was seconded by RU. The vote was 19-0 in favor. This will now go to a vote to the entire division.
5. Selection of Nominating Committee for 2020-2021
 - a. JI will be the chair of this committee. JI nominated Erik Spoerke (Sandia National Labs) to be on the nominating committee, this was seconded by GB. ES accepted the nomination. WR nominated Yanhao Dong (MIT), JI seconded. YD accepted. No other members were nominated and a vote was not necessary.
6. Officer Transition and Presentation by the Incoming Chair (Alp Sehirlioglu)
 - a. AS had a conflict, so CX presented. The priorities and initiatives for 2020-2021 will be outreach to economically disadvantaged regions and underrepresented groups. To continue to cultivate interest in electronic ceramics, and to continue to adapt and adjust to a covid-19 world.
 - b. AS presented on committees and committee leads for the 2020-2021 year.
 - c. EDiv will continue to hold EMA and be active participants in MS&T. A goal is to increase EDiv contribution to symposium organization at MS&T.
 - d. AS is planning an online ACerS EMA workshop on Electronic Ceramics and Applications as part of outreach efforts in 2021. Details will be finalized starting in Fall of 2020. Targeted time of the workshop is Summer 2021, the objective is for this to become an annual or biannual event.
7. Other items:
 - a. Alexander Vaeth (Ohio State) introduced himself as the new PCSA delegate.
 - b. ST thanked JI for his service to EDiv and welcomed AS into his role as chair for 2020-2021.



8. Adjourn
 - a. The meeting was adjourned at 1:30pm EDT.