

2015 Electronics Division Executive Committee Meeting -  
Sunday, October 4th, 1pm, Hilton Hotel, Columbus, OH

Attendees:

Tim Haugan (Chair), Rick Ubic (Secretary-elect), Geoff Brennecka (Vice-chair), Brian Donovan (PCSA delegate), Brady Gibbons (Secretary), Mark Losego (interested party), Marcia Stout (ACerS representative), Steve Tidrow (Immediate past Chair), Haiyan Wang (Chair-elect), Winnie Wong-Ng (Trustee, arrived after break)

Refer to attached slides from TH, RU, and HW for further details

- Agenda items from Tim
- Brian Donovan update - ED PCSA delegate
  - ED does well with students
  - EMA is very good for students - many know about it
    - are there some that we aren't reaching?
    - would be good to figure out how many students are in ED
      - Can we do that with the spreadsheet Marcia sent out?
      - Brady comments that it seems we can
    - Students don't even really know that divisions exist!!
    - Steve suggests direct outreach by div leaders to MA chapters
      - we could be first and get reach more

students that way

- Brady noted students that join ACerS at EMA get memberships to both ED and BSD, then it rolls over to ED after a year
  - \$10 extra if they want to get BSD also
- 4000 total MA students according to Geoff
  - bump up after MST every year
  - 4230 exactly from Marcia, has been as high as 5900
  - But we don't know how many are ACerS because there is no way to choose just one of the 4 MA societies
- According to Steve's rough numbers It sounds like about 200/900 ED members are students
- Tim - should we try to get at the other 4000?
  - Marcia describes society efforts to get UGs into our divisions
- Brian says PCSA could send delegates to MA general meeting at MST to remind them to sign up for a division - GOOD IDEA!
  - but be careful not to do this just to pump up numbers
  - it's important to ensure the students are truly interested in our area
- Jay Singh and Bill Lee stop in now (incoming ACerS president and president-elect)
  - Jay thanks us and welcomes us
  - Comments on Steve's international outreach efforts

- Society is in good shape financially
- Global Graduate Student Research Network (GGRN) is the link to tracking
  - we are taking heat from other societies (why?)
    - Clarification from GB - the point of MA is to have all students associated with all societies, but MA is really only strong for undergrads. We're the only ones that have a way for (grad) students to join one society only
  - MA to PCSA to GGRN to YPN is the track we hope for
  - GGRN into divisions?
    - Clarification from GB - GGRN is a membership category, not an actual 'volunteer organization'... still trying to fix the confusion there.
  - YPN too?
- PCSA rep to come to the board meeting, possibly YPN too
- Society strategic planning coming end of this month
  - will need one page division summary of strengths, weaknesses, plans, etc. from us (SWOT analysis) → **SWOT = Strengths, Weaknesses, Opportunities and Threats**
  - new products, conferences, strengthen

different society segments

- Bill Lee now
  - will push the global aspects of the society
  - committees need to match the makeup of the society
    - 40% of the society is international
  - Ceramic career website coming soon from CGIF
    - student opportunities
  - Brady comments on humanitarian engineering minor at Oregon State University and ACerS efforts along these lines
    - Good for increasing Diversity in the Society
  - Jay comments on helping with Engineers Without Borders and some of their efforts
  - Geoff comments on international representation
    - says 30-35% of society is industrial members so that should be represented, as well
    - Discussion around this continued, including getting international industrial representatives
- Tim has more questions about GGRN
  - Geoff explains - separate type of membership
    - grad students who came to EMA who were not MA members became GGRN and could identify as ACerS only (not MA)

- That is why the other societies are annoyed
- This is only true of they attend EMA (not MST)
- Rick asks about an even earlier roadblock... getting local matsci clubs to even join MA (form a chapter) - he described the fact that many Boise State students simply formed a local club so they didn't have to pay the dues of an MA chapter (\$30)
  - Geoff - bribed with points by how many students join MA - CLARIFY → Colorado School of Mines MA chapter created a point system to encourage people to be involved in the various activities that the group does throughout the year. When TMS rolls around in the spring (just because the timing makes it easier as a reward for AY activities than MA in the fall), the funds that go towards supporting student travel to the TMS meeting are distributed according to accumulated points... more points = costs less to attend TMS
  - Tim - reminds us that we've been paying for US memberships in addition to international ones (Frostburg St. and UMBC)
  - Steve discusses how to keep these chapters self-sustaining after the initial investment from ED funds
    - if we can keep them all the way through YPN they will more than likely be

members for life

- Brian comments on how MRS works - students pay \$10, but money gets kicked back to local chapter
- Tim asks should we vote on this?
  - these students might not even end up in ED
- Brian - Should we provide a kickback to MA chapters based on how many ED members they have?
- Steve - what is the cost/benefit ratio?? Should be looked at
  - if we don't get the youth on board what does that mean for the society? - direct quote
- BD - there should be a box to check when they sign up
  - especially if there is a kick back
  - ML agrees
- Now onto the minutes from EMA executive committee meeting for approval
  - membership - still how to get the names mentioned on board
  - communications and marketing is now under Eileen DeGuire
    - work with her on flyers, etc.
  - brief discussion of the ED endowment
    - GB needs to be at least \$100k to be endowed through the foundation, and won't even talk until \$50k

- GB moves to approve minutes, RU second, unanimous vote approval
- Tim going over slides or tomorrow's general meeting for comment and suggestions from the rest of the committee
  - ED member awards
    - we need to be better with regards to nominating fellows next year
      - work with Winnie
      - To nominate we need 7 nominators (signatures), one letter from lead sponsor, maximum of three pages of CV stuff, unlimited number of one page support letters.
  - We need a parliamentarian to make sure we are on schedule with things like fellows nominating and trustee service timing
    - BG's name was mentioned again - he's not opposed, but perhaps wait until his service on the Executive Committee is complete
  - Engineering ceramics division membership went way up... due to two big meetings over the past year
  - ED membership up over 900 this year
    - we are getting a lot younger, but the data are from last year
    - hard to get industry/academia/lab based on the data we have
  - TH going over detailed budget
    - BG and GB suggests that we don't go over

the detailed budget tomorrow

- too much information for everyone
- Henry award takes a lot of funds - need to pay attention to it
- Hoffmann award plaques could get pricey!
  - switch to certificates for all, or potentially smaller plaques
  - general agreement on this
  - RU moves, GB second, unanimous approval to switch to certificates
- Conference investment slides - how much do we spend on MS&T and EMA
- Hoffmann fund balance had to be made up to get to \$20k (\$1875)
- MA chapter growth
  - ST - short update regarding Thai chapters and UMBC and Frostburg state (those both pending)
    - Brazil on 5 chapters, tomorrow Dr. Ducinei Garcia from Brazil will be here and it's important that Haiyan meets with her.
    - MS - it's critical to spend the additional funds so if we are using them for this we need to get going ASAP
      - things have to go through TMS... info from the chapters needs to happen immediately!!!
      - Tricia Freshour is the contact at ACerS for this information

- Monthly webinar from ED?
  - like a seminar from a university
  - MA chapters can sponsor
  - BG comments on the budget implication of webinar software for that many people
    - ML says YPN is doing webinars
    - TH should see what they are up to regarding costs
- BG comments that the kits may be a place to cut so we aren't in the red
  - other things could be reducing the planned payment into the Hoffmann or new chapter money
- Education and outreach funds of \$875
  - what to do with... TH suggests reaching out to Fellows
  - GB says if you go this route it's VERY important to work with Marcus Fish from the CGIF
  - GB says we need a 'silent phase' to get \$50k before anything is even announced
    - Clarification from GB - this is just if we want to go the full endowed route and do it successfully
- Break
- HW updates
  - EMA
    - 331 abstracts as of today
    - ARO, CINT, 3M, Radiant, MTI all have committed support

- perhaps ED can reduce their commitment?
- 41% invited talks, 13% poster, 46% contributed
  - GB feels invited talks are somewhat high, most IEEE meetings are 5%
  - HW does not feel quite the same way
  - some discussion regarding EMA - BG reminds that 2018 location needs to be set and do we continue to accept any symposium proposal submitted or can we begin to get more selective (which would help greatly with symposium overlap)
    - GB asks do we need to grow or we can sustain and make it better that way??
  - the membership growth from EMA is nice (HW)
  - HW - should the exec/general meeting move to EMA?
    - It can't by ACerS rules, timing at EMA is difficult, as well
      - Clarification from GB - yes it can; ACerS no longer cares where divisions hold their meetings
- good distribution of submissions across symposia
- 32 countries represented, 58% US

- Revive the membership committee
  - create an outreach committee
    - with list serv to keep ED updated
  - tomorrow (at the general meeting) is a good time to show these things to get people to volunteer for these committees
  - further discussion
- nominating committee
  - much discussion on this and confusion between this and the fellows nominating committee
- Rules/SOP discussion from RU (see slides for official proposals)
  - Henry award... instead of one academic and one industrial it should say one academic and one non-academic with the second appointed by the chair
    - Also, remove III.g regarding succeeding reviewers
  - Hoffmann
    - The composition of the Hoffman sub-committee mandated by IV.c is far too onerous (two members from the electronics industry, two members from academia, plus the committee chair). This year I was assisted in the selection by Winnie and Haiyan. Also, the timing specified in IV.e is outdated. The deadline for the past few years has been mid-May.
    - Proposal: Change IV.b to read "... The award

shall be given to a junior or senior student who has acquired a total of at least 80 semester credits or equivalent quarter credits at the time of the application and is still a full-time undergraduate student by the time of the award.

- Proposal: Change IV.c to read “...composed of at least three members, at least one of whom shall be from either a national lab or industry. The Chair of the sub-committee shall be the Chair of the Committee on Awards and Scholarships.”
- Proposal: Change IV.e to read “...before June 1 of every year... The final selection of the awardee shall be made on or before August 1.”
  
- Article E-2. Purpose
- Proposal: Change wording to “...particularly in the areas of the science, engineering, and manufacturing of electronic ceramic materials.”
  - For “electronic ceramic” we could also use “electroc ceramic,” as BG suggested.
- GB says to replace trustees with directors.
- BG motions to accept RU second, unanimous approval
  
- Last minute item from WW regarding the 100th anniversary of JACerS
  - After discussion:

- Brady is in charge of asking whomever we decide...
    - Clive for MLCC
    - Susan for Newnham/Cross and structure-property relationships
  - what about superconductivity??
    - ionic conductors?
    - III-V's?
      - BG states he can try with Clive and Susan, but if there are efforts for other areas outside of his knowledge and expertise it will have to be taken on by another member of the Executive Committee
  - RU motions to let brady go take care of it, TH seconds, unanimous approval
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- Meeting adjourned at 4:15pm