

ESSCI Board Meeting – March 24, 2019

In Attendance:

- Yiguang Ju
- Sang Hee Won
- Mike Burke
- Paul Papas
- Jackie Sung
- Richard West
- Perrine Pepiot
- Jacqueline O'Connor
- Michael Mueller
- Arnaud Trouve
- Wenting Sun
- Barb Waronek (CI office)
- Renny Tassari (CI office)
- Peter Sunderland (late – term extended to 2022)

Executive board and officers:

- Jackie O'Connor – Secretary
- Paul Papas – Program Chair
- Arnaud Trouve – up in 2020, wants to roll off
- Jackie Sung – extended to 2022, rolling off is dependent on website
- At least one slot open for election (Board later decided to add one more additional board member in the fall board member election).

Approve minutes:

- Any comments? We elected officers and decided the next section meeting at U. South Carolina and decided on awards
- Passed minutes unanimously

ESSCI Meeting update (Sang Hee):

- Conference venue – Alumni Center, during spring break, reservation made (March 8-11, 2020)
- At PSU, had three rooms for talks and one for lunch workshops
- Sang Hee needs to talk to Jackie about supporting events
 - o Cantera
 - o Early career?
 - o Grad skills lunch
 - o Good to decide on these early
- Could also move to Columbia Metro or Convention Center
- Fly into Columbia Airport – no snow, but 20 minutes from airport
- Will different locations affect conference hotels?
- There was a proposal that we might be hosting ESSCI + CSSCI meeting together since CSSCI meeting is not as successful – would have to move to the Convention Center
 - o Yiguang's going to talk about it at the USSCI about it on Tuesday
 - o Arnaud says that one of the intents of moving to the spring meeting format

- Hotel arrangement – what needs to be done?
 - o Yiguang said that you need to have a guarantee about the number of rooms that will be taken – be conservative in the number
 - o We don't need to have a room for free
- Welcome reception – currently working with pubs in the area for the welcome reception
- Banquet – Alumni Center as a package together
- What else needs to be done? Talk to Arnaud, Jackie, Jackie and Michael
- Budget: staying the same as the projected amount - \$15,273.87
- Need to talk to Harsha soon about NSF travel support – Jackie O and Michael will help with this
- Sponsorship: GE is not in great shape, potentially talk to Boeing, talking to BMW and Volvo
 - o Getting industry people to potentially give a talk
 - o Jackie O will talk to Volvo about potential speaker

Awards Committee Report:

- 2019 CI fellow: Gomez, Long, Jackson, Lieuwen, Menon, Sung, Trouve (7/38) were ESSCI members
 - o High acceptance ratio from US sections
 - o Next time – will not ask how many papers in the past 10 years, but instead how many significant papers in your career. Focus on lifetime contribution.
 - o It's time to start thinking of nominations for that
- ESSCI awards
 - o Wenting – Irv Glassman Young Investigator Award
 - o GT group (Karimi et al.) – Markstein Paper award
 - o Rowan University (J. Lefkowitz) – Fenimore award
 - o Recognition of Paul for previous effort, Perrine and Jackie O
- USSCI awards
 - o Early career award – Greg Rieker (also won Tsuji award)
 - o Group of very strong candidates
- Yiguang is going to propose to the board on Tuesday that we give two awards at the US Section Level, one could maybe do a section plenary or a topical review at international symposium.
 - o Barb thinks this might be a problem at the symposium
 - o Yiguang says we could at least recommend, and then if not, go to the section
- In the section meeting tomorrow – we'll announce awards at both the section meeting and the banquet. Wenting will arrange that – make sure award winners will show up.

Barb:

- Need to have some changes at the CI office
- Board agreed to have an office manager, allowing Barb to look at long-range planning
- Renny Tassari is that person – she's been with CI since October 2018 and she's a very welcome addition – she's here to meet everyone
- Did introductions around the room for Renny
- The publishing world is changing (lots of laughs) – if you hear of something happening at your university about Elsevier, please let Barb know. It's a moving target and it's really difficult to know what's going to happen. Subscription rates vs. open access and lots of other issues – CI is actively paying attention and in active contact with Elsevier.

Treasurer report:

- Accounts really haven't moved since the international symposium – have ~\$90k in savings
- Rate of return has been pretty flat, but we're in a good position
- PSU meeting profit - \$20k
- Dublin meeting student travel support- \$14k
- Fees - \$2.5k
- Net operating income - ~\$4k – strong function of how we're doing at the meetings
- Pasadena student support - \$13.2k
- Dublin symposium:
 - o \$500 to 28 students (Princeton, Maryland, Brown, GT, Columbia, MIT, PSU, GWU, UCF, USC, Yale)
 - o Some students couldn't get visas to go
 - o Senior co-author must also go
 - o We funded students who defunded between submission and conference
- Pasadena meeting:
 - o \$200 to 66 students (Princeton, Maryland, GT, UConn, UCF, WVU, Cornell, Yale, brown, UMass, Columbia, WPI, USC, Northeastern, PSU, MIT, WCU) – some new universities participating!
 - o College Park was 55 students, good growth in ESSCI student participation
 - o 600 people at the Pasadena meeting total
- Number of students will continue to grow for next National Meeting
- Who in ESSCI will host the National Meeting in 2023?
- Summary:
 - o Finances are fine, as long as we're making money at meetings we're in good shape
 - o We could survive a meeting that completely fails
 - o As long as NSF continues to support student travel support, we might be able to reduced cash reserves
- Adelaide symposium: could be cheaper than normal? Tickets may be reasonable and the hotel will be very reasonable

ESSCI Election:

- In the fall
- Who needs to initiate it – Perrine and Michael did last time
- Who will be responsible for that this time? There was a nomination committee – we'll need to make another one
- Perrine proposes to a new nominating committee
 - o Paul volunteered
 - o Jackie S volunteered
- Arnaud: don't think there's anything in the bylaws about the size of committee, so we could increase it.
- Yiguang: current level is a good number, we have good attendance
- Maybe doing an election for one position is too much work? Let's expand to 15.
- Cycle of re-election is slow
- Once you're elected, you're asked to serve for two years and if you want to stay on, you can
- Arnaud: motion to add one new position to the committee
 - o Passed

- Perrine will give us the timeline for election
- People who were not elected last time need to be contacted to see if they want to run again
- We will have two new member slots available for the election in the fall, one to increase size and one to replace Arnaud.

Career development, diversity, and inclusion:

- Jackie O's overview
- Richard: many of these ideas could have impact at the USSCI level
- International CI has some of these committees, but it's not clear what they have been doing – Arnaud doesn't think they should be relied upon because it's really not their main interest
- Having a stronger joint US model would really help support these types of activities – ESSCI is supportive of this, but WSSCI is resistant to this
- Jackie O mentoring mixer overview
- Jackie O will send the 2017 report as well as the 2019 report when it's done to Yiguang so that it goes on the USSCI website

ESSCI Website:

- Website had been updated a couple times
- There are very few people who know this address and there are not many links to it
- Awards should go on the website
- Current ESSCI site gets very little traffic – need to make more progress and get new domain
- Need to also close the old website because Google sends you to the old one
- With so much money in the bank, let's get an official domain name – let's do it
- Jackie S will set up a re-direct from the old site
- Essci.org was not available, essci.us is available and it complements wssci.us

38th Symposium:

- Papers are due November 7 (moved forward!)
- Paul: this affects us in industry too, the winter break is valuable. Industry people are writing these papers on our own time, and so moving this up is difficult for industry people. It would be valuable to be able to write over the winter break
- This is really up to the program co-chairs and the president

USSCI update:

- 9 board members, 3 from each section
- From ESSCI: Yiguang, Peter, Arnaud – Arnaud will roll off and Perrine will take over as of the end of this meeting.
- Committees:
 - Awards – Marchese (young investigator award, student best presentation award)
 - EC – Pepiot (connecting to three sections)
 - Outreach – Sunderland (government outreach)
 - Bylaw change – Trouve (trying to expand national committee to do more things at the national level)
 - We've done very minimal modifications so far – proposing to go from 9 to 15 people (will need to be reflected in our own bylaws)

- Also added term modification (4 years)
- Sent out these proposed modifications to all three sections – CSSCI they don't like the specification of 4 years (they're used to longer terms)
- Peter: why is a larger committee more effective? Yiguang: need more people to chair these committees and we need some continuity between different generations
 - Code of Conduct – Blanquart

12th US National Meeting:

- In Texas A&M (March 2021) – Tim Jacobs is organizing it.

2020 Princeton Summer School:

- Ed Law would like a letter of support by May 31 2019
- Pushed some back last year on diversity representation, and new person to help organizing everything
- Progress was made. Michael is now a co-organizer at Princeton
- Lecturers in early career and diversity groups:
 - Computational combustion – Jackie Chen and Angela Violi
 - Jeff Sutton (mid-career lecturer)
- Please read the proposal and send any comments – the organizers are listening to suggestions
- Jackie O – on the committee at CI level, would not be surprised to see some “new” schools become repeat schools this year (Cambridge and KAUST in particular)
- Potential new topics: machine learning/data analytics (from Paul); new people could create new schools around interesting, forward-thinking topics since Princeton has the fundamentals covered. Yiguang wants the “young people” to take leadership in this area
 - Yiguang called on Richard and Mike Burke on this
- Arnaud says that Maryland is considering doing a week on fire
- Richard: other people not in this room should be thinking about it – we should spread the word
- Yiguang will email us the Princeton Summer School Proposal in 2 weeks for suggestions, Jackie O is stepping out of the discussion because she's on the CI committee that judges these

Outreach:

- 2014 congressional visit was the first time we went – 15 offices with AIP training
- 2017 congressional visit was at the national level - ~30 offices with more resources and materials
- Peter says that 3 year interval is good
- Next steps
 - This should be done at a national level despite ESSCI is next to DC
 - We could do it next time at the local offices – more distributed but also more coverage
 - AIP would still help
- Arnaud: training was useful and having similar materials could be helpful
- Need recording of webinars handy so that if we're in DC for other reasons, we can stop in
- Are the materials shared somewhere? Can they go on the USSCI website?
- Perrine has one webinar on file that she can share

Other business?:

- Please go to section meeting tomorrow – give brief summary tomorrow

ADJOURN – 5:10pm