

Minutes of USSCI board teleconference meeting

2-3pm (EST) July 6, 2017

Attendees: Jerald Cole (Treasurer), Timothy Jacobs, Yiguang Ju (Chair), Anthony Marchese, Peter B. Sunderland, Kal Seshadri, Arnaud Trouvé

Absent: Charles Finney, Charles Baukal

CI Staff: Diane Mrozowski, Barb Waronek

Meeting agenda

1. USSCI Secretary and Vice Chair
2. Creation of USSCI Committees
 - a. Young investigator mentoring network
 - b. Student best presentation and young researcher awards
 - c. Industrial liaison for research/education collaboration
 - d. Outreach Committee and congressional visit
3. USSCI website and Logos
4. Bid for hosting the 2022 Symposium
5. USSCI treasurer's report (Income, spending, and balance)
6. The fall teleconference for the next National Meeting planning

Teleconference meeting was called to order at 2:05 PM, 7 July 2017 by Yiguang Ju presiding as the Chair of the USSCI Board. Yiguang Ju introduced the motivation of the call for this teleconference meeting and the agenda.

- 1. USSCI Secretary and Chair Elect:** Based on the bylaw, we need four officers, the chair, vice chair, treasurer, and secretary to form the executive committee. The positions of the vice chair and secretary at USSCI need to be filled to complete the Executive Committee. Yiguang Ju called for the election of these two positions. According to the bylaw, the chair and vice chair positions are rotated between the three US sections. Since the previous chair was from the Central States Section and the current chair is from Eastern States Section, the next vice chair should be elected from the Western States Section. Timothy Jacobs reminded that the vice chair should be elected by their own section. Therefore, the election of the vice chair will be made by the Western States Section at an appropriate time and the transition will be made at the Caltech meeting. Peter B. Sunderland suggested to elect the vice chair earlier to form a complete executive committee.

Yiguang Ju called for volunteers to serve for the secretary of the USSCI. The secretary normally serves two year term but the term can be renewed. The secretary's responsibility is to keep records of board actions, including taking of minutes at all meetings. Since the current chair and vice chair are from the Eastern and Western states sections, it is natural to have a secretary from the Central States Section. Yiguang Ju asked Timothy Jacobs (the one attendee to the meeting from the CSSCI) to help to serve as the secretary, but Timothy Jacobs said he is overloaded at this time. It was recommend for Yiguang Ju to contact Charles Finney and Charles Baukal for this service.

Creation of USSCI Committees: Yiguang Ju discussed the difficulties for young researchers to find research resources and necessary career mentoring in combustion,

and recommended to create a few committees to help the career development of young researchers and under-represented groups.

- a. Early Career and Diversity Development Committee:** Yiguang Ju introduced an idea to establish a committee to help for mentoring young researchers by finding the experts in the same research areas to provide advice in funding and career development. Barb Waronek introduced the Early Career Advisory Committee, which is under development at the CI. The CI Early Career Advisory Committee has 12 international members and is led by Mani Sarathy at KAUST. Peter B. Sunderland proposed to integrate the Early Career mentoring with Women in Combustion and Diversity groups and to name it as Early Career and Diversity Development Committee. Yiguang Ju will serve as the chair of this committee (until a new chair is selected) and recommended several names from the junior faculty workshop organizing group (Kyle, Nicole, and Jackie, Perrine, Mueller) to serve in this committee. Arnaud Trouvé recommended to engage with sections to find the members for this committee. Yiguang Ju agreed to write an email to section chairs to recommend members for this committee.
 - b. Award Committee:** Yiguang Ju suggested to create a few awards at the US National Meeting for Student Best Presentation and Young Research Investigators to recognize their contribution to combustion research and to help their career development. Peter B. Sunderland recommended to ask the national meeting program chair to select this award. Yiguang Ju suggested to create a committee at the USSCI board to develop a plan and award selection process. Anthony Marchese agreed to serve as the chair of this committee.
 - c. Industrial liaison for research/education collaboration:** Given the lack of strong engagement between the combustion research community and industry, Yiguang Ju suggested to explore the possibility to create an industrial liaison to establish the collaboration between academia and industry. Arnaud Trouvé commented that based on previous experience, it will be very tricky. Yiguang Ju mentioned that the industrial panel discussion at Seoul meeting was very successful to attract many attendees. Arnaud Trouvé suggested to invite industrial folks to the national meeting and to organize industry technical sessions. This recommendation will be forwarded to the national meeting program chair. Barb Waronek suggested to talk to Charles Finney for suggestion.
 - d. Outreach Committee:** An outreach committee was established at USSCI. The committee is led by Peter Sunderland and joined by Ajay Agrawal, Michael Benjamin, Kenneth Brezinsky, Timothy Jacobs, Yiguang Ju, Anthony Marchese, Michael Mueller, Andrew Norris, Perrine Pepiot, and Barb Waronek. The committee organized a congressional visit on April 27, 2017. They met the congressional officers and representatives and presented to them the Benefit of Combustion Research. Yiguang Ju stated the importance to continue the outreach activities and the congressional visit in the future. Peter B. Sunderland agreed to continue to serve as the chair of this committee.
- 3. USSCI website:** To ensure smooth transition of the USSCI board and keep better records of the board minutes and committee activities, Yiguang Ju proposed to create an

USSCI website. Barb Waronek explained that CI is difficult to host all section websites at this moment. Therefore, USSCI will need to find a commercial provider for an URL and the website server. Yiguang Ju has explored a few options using commercial website providers at the cost around \$30/year. Jerald Cole agreed to pay the server and URL costs by USSCI. Yiguang Ju agreed to hire an undergraduate student to develop a website for USSCI. Peter B. Sunderland suggested to find an external website provider for all 3 sections.

4. Bid for hosting the 2022 Symposium: The CI is soliciting the bid for the 2022 symposium host. Barb Waronek suggested that there is a rotation for the host of the symposia. It is the rotation for Northern America's sections for the 2022 symposium. However, the selection of the site also depends on the bidding proposal. Anthony Marchese said that Colorado is a possibility, but there is no plan on the table. Peter B. Sunderland suggested that the Utah conference was very affordable. Jerald Cole commented that Washington DC and Boston are most promising. Yiguang Ju suggested the ESSCI to look into these possibilities. Barb Waronek said the bid preproposal is due in the March of 2018 and she will send the symposium site application information to Yiguang Ju. Yiguang Ju will forward this information to 3 section chairs to consider.

5. USSCI treasurer's report: Jerald Cole shared the USSCI profit and loss report and the balance report at the board meeting. The balance on Jun 30, 17 is \$81,008.37, which is lower than that of \$90,461.25 on Jun 30, 16.

6. The fall teleconference for the next National Meeting planning: The next board meeting is tentatively planned in the first week of December to discuss the Caltech meeting planning. USSCI will contact Caltech when they are ready to report.

Adjourn: The meeting was adjourned at 3:10 PM (EST).

USSCI Board Members		Term	Section	Institution
Yiguang Ju	Chair	2017-2019	ESSCI	Princeton University
Arnaud Trouvé		2017-2019	ESSCI	University of Maryland
Peter B. Sunderland		2017-2019	ESSCI	University of Maryland
Charles Finney		2017-2019	CSSCI	Oak Ridge National Laboratory
Charles Baukal		2017-2019	CSSCI	John Zink Institute
Timothy Jacobs		2017-2019	CSSCI	Texas A&M University
Jerald Cole	Treasurer	2017-2019	WSSCI	Hydrogen Ventures, LLC
Anthony Marchese		2017-2019	WSSCI	Colorado State University
Kal Seshadri		2017-2019	WSSCI	UC San Diego

US Section Chairs

ESSCI: Arnaud Trouvé – University of Maryland atrouve@umd.edu

WSSCI: Fletcher Miller – San Diego State University fletcher.miller@sdsu.edu

CSSCI: Charles (Chuck) Baukal – John Zink Co. charles.baukal@johnzink.com