



Eastern States Section of the Combustion Institute (ESSCI) 2014-2016 Report

Submitted by Arnaud Trouvé (Chair of the Executive Board), 20 June 2016

Executive Board (June 2016)

<i>Chair:</i>	Arnaud Trouvé, University of Maryland
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Total number of active members: 299

2014-2016 Activities Summary

Status

ESSCI was incorporated in 2014 as a non-profit corporation in the State of Delaware. To reflect this change, the ESSCI bylaws were revised and approved in 2015.

Budget

A separate budget report has been submitted to the Institute. The largest expenditures over the past two years have been to support our technical meetings, and to support student travel to attend and present their research at regional, national and international meetings of the Combustion Institute.

The current total balance in all accounts is \$78,352.70. Over the last two years, the most significant sources of income include net receipts from the 2015 U.S. National Combustion Meeting (joint meeting between CSSCI, ESSCI and WSSCI) (\$9,770.40) and net receipts from the 2016 Spring technical meeting of the ESSCI (\$4,909.86). Over the last two years, the most significant expenses include support of student travel to attend the 2014 International Symposium on Combustion (\$15,000) and the 2015 U.S. National Combustion Meeting (\$8,100). The imbalance between expenses and income has been offset by drawing down the ESSCI cash reserves.

Technical Meeting

With the objective of being more closely aligned with the scheduling of the CSSCI and WSSCI technical meetings, ESSCI decided in 2014 to switch from a biennial Fall technical meeting to a biennial (even-numbered years) Spring technical meeting. The 2016 ESSCI Spring meeting was held at Princeton University in New Jersey, on March 13-16 (<http://essci.princeton.edu>). There were 142 registered attendees, 110 technical papers, four plenary lectures, and one Technical Writing workshop.

The next ESSCI technical meeting will be organized in Spring 2018 at a location to be determined during Summer 2016.

Awards

ESSCI has established an Award program in 2011 in support of its biennial technical meeting. The 2016 Irvin Glassman Young Investigator Award was awarded to Prof. Jacqueline O'Connor from The Pennsylvania State University. The 2016 Charles P. Fenimore Best Student Presentation Award and George H. Markstein Best Paper Award will be awarded within the next few weeks.

Combustion Research Visibility

A Committee of three ESSCI members (Nick Cernansky, Med Colket and Peter Sunderland) met during 2013-2014 to propose recommendations to raise the visibility of combustion research at the regional, national and international levels. The Committee formulated several specific recommendations that have been shared at the ESSCI and Joint U.S. Sections levels. The Committee also started working toward implementing those recommendations. One specific recommendation was for the Combustion Institute to more actively engage with members of Congress. To this end, the Committee (working with setcvd.org and the American Institute of Physics) organized a Visit Congress Day in May 2014 during which 10 ESSCI member volunteers held meetings with 16 different congressional staffers in Washington DC. ESSCI provided travel funding for the visit. The Committee submitted a report on the visit to Congress to the Executive Board of ESSCI, including recommendations on future outreach activities of this kind.

One key recommendation was to pursue these outreach activities at the level of the joint U.S. Sections (CSSCI, ESSCI and WSSCI). The Executive Committee of the joint U.S. Sections has now agreed to proceed to a formal request to join the American Institute of Physics (AIP, <https://www.aip.org>) as an Affiliate member society. If accepted, this

membership will be free and will allow AIP to assist the joint U.S. Sections with congressional visits, government relations training, and media services.

ESSCI Visibility

ESSCI will host the upcoming 10th U.S. National Combustion Meeting (joint meeting between CSSCI, ESSCI and WSSCI) at the University of Maryland on April 23-26, 2017 (<http://blog.umd.edu/combustion2017/>).

ESSCI has submitted a bid proposal to the Combustion Institute to host the 38th International Symposium on Combustion in New-York City on August 2-7, 2020. Last time that ESSCI organized the International Symposium on Combustion was in 1976.

Website

ESSCI maintains a website at <http://essci.engr.uconn.edu>