



**2016/2017 Division & Class Report
to the
ACerS Board of Directors**

Division/Class: Nuclear & Environmental Technology Division

Current Division/Class Officers: (complete as appropriate for your Division or Class)

Chair: **Yutai Kato** (Oak Ridge National Laboratory)
Vice-chair: **Jake Amoroso** (Savannah River National Laboratory)
Secretary: **Kumar Sridharan** (University of Wisconsin-Madison)
Program Committee Chair: **Cory Trivelpiece** (Savannah River National Laboratory)
Advisor: **Kevin Fox** (Savannah River National Laboratory)

Incoming Division Officers: (complete as appropriate for your Division or Class)

Note: most Divisions change officers at the ACerS Annual Meeting in October (MS&T). If your Division changes officers at another time, please indicate when incoming officers will begin their terms: _____

Chair: **Jake Amoroso** (Savannah River National Laboratory)
Vice-chair: **Cory Trivelpiece** (Savannah River National Laboratory)
Secretary: **Phil Edmondson** (Oak Ridge National Laboratory)
Program Committee Chair: **Jarrold Crum** (Pacific Northwest National Laboratory)
Advisor: **Kevin Fox** (Savannah River National Laboratory)

Summary of Meetings and Activities Held/To Be Held (from Oct. 2016 through Oct. 2017):

MS&T16 (October 22-27, 2016, Salt Lake City, UT, USA): NETD organized two symposia "Materials Development for Nuclear Applications and Extreme Environments" and "Materials Issues in Nuclear Waste Management in the 21st Century". The symposia received 55 and 48 abstracts, respectively.

ICACC'17 (January 22-27, 2017, Daytona Beach, FL, USA): NETD organized symposium on "Advanced Materials for Sustainable Nuclear Fission and Fusion Energy" (50 Presentations).

PACRIM12 (May 21-26, 2017, Waikoloa, HI, USA): NETD organized two symposia, "Ceramics for Next Generation Nuclear Energy" (44 talks and 8 posters) and in partnership with the Glass and Optical Materials Division, "Glasses and Ceramics for Nuclear and Hazardous Waste Treatment" (75 talks and 6 posters).

MS&T17 (October 8-12, 2017, Pittsburgh, PA, USA): NETD organizes two symposia "Materials for Nuclear Energy Applications" (53 talks and 5 poster) and "Materials Issues in Nuclear Waste Management" (25 talks and 1 poster).

Future Planned Meetings/Activities (from Nov. 2017 – October 2018):

ICACC'18 (January 21-26, 2018, Daytona Beach, FL, USA): NETD organizes Symposium 13, "Advanced Ceramics and Composites for Nuclear Fission and Fusion Energy" (55 abstracts received as of 8/31/2017)

MS&T18 (October 14-18, 2017, Columbus, OH, USA): NETD proposed two symposia “Materials Issues in Nuclear Waste Management” and “Materials for Nuclear Applications and Extreme Environments”.

New Initiatives/Opportunities: N/A

Action Items for ACerS Board Consideration at October 7, 2017 meeting: N/A

Issues/Concerns: N/A

Additional Items of Note:

The NETD D.T. Rankin Award will be presented to Dr. Alex Cozzi with Savannah River National Laboratory during the general business meeting (Monday, October 9th) for exemplary service to the Division. As a part of this award, Dr. Cozzi will present an invited lecture in the symposium “Materials Issues in Nuclear Waste Management” at the MS&T conference.

Materials Science Classroom Kit was donated to South Aiken High School of SC as a part of educational outreach.

Student stipends of \$500 each will be awarded at MS&T17. This year’s winners will be announced after the September 15, 2017 deadline.

Financial Statement: (Including year-end summary of expenditures from the Division's Funds)

Attached.

Submitted By: Yutai Katoh