



**2014/2015 Division & Class Report
to the
ACerS Board of Directors**

Division/Class: **Nuclear & Environmental Technology Division**

Current Division/Class Officers:

Chair:	Josef Matyas (Pacific Northwest National Laboratory)
Vice-chair:	Raghunath Kanakala (University of Idaho)
Secretary:	Yutai Katoh (Oak Ridge National Laboratory)
Program Committee Chair:	Jake Amoroso (Savannah River National Laboratory)
Division Advisor:	Linda Jones (Alfred University)

Incoming Division Officers:

Note: NETD will change officers at the ACerS Annual meeting at MS&T'15 in October 4-9, 2015.

Chair:	Raghunath Kanakala (University of Idaho)
Vice chair:	Yutai Katoh (Oak Ridge National Laboratory)
Secretary:	Jake Amoroso (Savannah River National Laboratory)
Program Committee Chair:	Kumar Sridharan (University of Wisconsin-Madison)
Division Advisor:	Kevin Fox (Savannah River National Laboratory)

Summary of Meetings and Activities Held/To Be Held (from Oct. 2014 through Oct. 2015):

MS&T'14 (October 12-16, 2014, Pittsburgh, PA, USA): Organized two symposia on "Materials Issues in Nuclear Waste Management in the 21st Century" (46 Presentations) and "Materials Development and Degradation Management for Nuclear Applications" (42 presentations).

ICACC'15 (January 25-30, 2015, Daytona Beach, FL, USA): NETD Organized symposium on "International Symposium on Advanced Ceramics and Composites for Sustainable Nuclear Energy and Fusion Energy" (65 Presentations).

CMCEE-11 (June 14-19, 2015, Vancouver, Canada): NETD Organized a small symposium on "Material Science and Technologies for Advanced Nuclear Fission and Fusion Energy" (15 Presentations).

PACRIM-11 (August 30-September 4, 2015, Jeju Island, South Korea) NETD contributed to organization of a symposium on "Ceramics for Innovative Nuclear Energy Systems."

MS&T15 (October 4-8, 2015, Columbus, OH, 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 have received 50 and 38 abstracts, respectively.

Future Planned Meetings/Activities (from Nov. 2015 – October 2016):

ICACC'16 (January 24-29, 2016, Daytona Beach, FL, USA): NETD will co-organize Symposium 13, "Advanced Materials for Sustainable Nuclear Energy and Fusion Energy".

MS&T16 (October 23-27, 2016, Salt Lake, UT, USA): NETD will organize two symposia "Materials Issues in Nuclear Waste Management in the 21st Century" and "Materials Development for Nuclear Applications and Extreme Environments."

New Initiatives/Opportunities:

NETD continues to use social networking and online communities to recruit students and new members. NETD leadership started interactions with ACerS President's Council of Student Advisors (PCSA); more specifically with a division delegate of PCSA to foster student-focused programming and outreach activities.

Action Items for ACerS Board Consideration at October 4, 2015 meeting:

None

Issues/Concerns:

None

Additional Items of Note:

The D.T. Rankin Award will be presented to Prof. S.K. Sundaram from Alfred University during the general business meeting (Tuesday, October 6, 5:45-6:30 pm, Convention Center, Room E-172) for exemplary service to the Nuclear & Environmental Technology Division of The American Ceramic Society. As part of this award, Prof. Sundaram will present an invited lecture on "Life of Material Scientist at Nuclear Age" in the symposium "Materials Issues in Nuclear Waste Management in the 21st Century" in the session "Vitrification: Fundamental and applied research I". This presentation is scheduled at 8:00 a.m. on Monday October 5, 2015.

The NETD Best Paper Award goes to Hamed Albusaidi, Cory K. Perkins, and Allen W. Apblett from Oklahoma State University for their contribution "Uptake of Uranium by Tungstic Acid" presented at MS&T14 conference in Pittsburgh at symposium "Materials Issues in Nuclear Waste Management in the 21st Century."

NETD members Ram Devanathan and Kevin Fox will be elevated to Fellow at the ACerS Awards Banquet on Monday (October 5, 2015) evening. NETD member Kyle Brinkman will receive the Schwartzwaldler-PACE award.

Two student stipends of \$500 each will be awarded at MS&T15. This year's winners will be announced after the September 1, 2015 deadline.

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

NETD is in excellent financial shape with a balance of \$2620 (as of 6/30/15).

Submitted By: Josef Matyas, Chair, NETD (Josef.Matyas@pnnl.gov)