



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

Division/Class: Engineering Ceramics Division

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

Chair: **Andrew Gyekenyesi**
Chair-Elect: **Jingyang Wang**
Vice-chair/Treasurer: **Manabu Fukushima**
Secretary: **Surojit Gupta**
Secretary-Elect: **Valerie Wiesner**
Trustee: **Tatsuki Ohji**
Parliamentarian: **Dileep Singh**
Counselor: **Michael Halbig**
Counselor: **Soshu Kiriara**

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: **Jingyang Wang**
Chair-Elect: **Manabu Fukushima**
Vice-chair/Treasurer: **Surojit Gupta**
Secretary: **Valerie Wiesner**
Secretary-Elect: *(Nomination to be approved in Business Meeting)*
Trustee: **Tatsuki Ohji**
Parliamentarian: *(Nomination to be approved at Business Meeting)*
Counselor: **Soshu Kiriara**
Counselor: **Andrew Gyekenyesi**

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

ECD member meetings held twice a year [MS&T (October) and ICACC (January)].

41st International Conference on Advanced Ceramics and Composites (ICACC 2017)

Daytona Beach, Florida, January 22-27, 2017

2017 Materials Challenges in Alternative & Renewable Energy (MCARE 2017)

Jeju, Korea, February 20-24, 2017.

[One of the Chairs: Sanjay Mathur is ECD member and ECD Past Chair]

12th Pacific Rim Conference on Ceramic and Glass Technology (PACRIM 2017)

Waikoloa, Hawaii, May 21-26, 2017.

[Conference Chair: Dileep Singh is ECD member and ECD Past Chair.]

Global Engagement in Ceramic Science and Technology (GECST) Program

The GECST program continued in its second year with the aim of encouraging, developing, and promoting students and young professionals in the field of ceramic science and technology through the active involvement and participation in the ECD. The program will also develop and foster cooperation among young professionals from different parts of the world. The program also sponsors the ACerS's Global Graduate Researchers Network (GGRN) Membership while encouraging an equal number of student sponsorships by Professors/Universities (allowing multi-year registration and leveraging of resources). During the period from Feb. 2017 to August 2017, about 60 new GGRN members have joined ECD, with nearly 178 member-years, through this program. We acknowledge Manabu Fukushima's and Surojit Gupta's highly dedicated work for this program.

ECD has 1,994 members as of August 31, 2017.

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

42nd International Conference on Advanced Ceramics and Composites (ICACC18)

Daytona Beach, Florida, January 21-26, 2018

Mechanical Properties of Ceramics and Glass Short Course - ACerS short course held in conjunction with ICACC18

Hilton Daytona Beach Resort and Ocean Center, Daytona Beach, Fla., January 25-26, 2018

7th International Congress on Ceramics (ICC7)

Hotel Recanto Cataratas, Foz do Iguaçu – PR, Brazil, June 17 – 21, 2018

[Numerous ECD members serving as organizers, scientific committee or invited lecturers]

12th International Conference on Ceramic Materials and Components for Energy and Environmental Applications (CMCEE2018), Singapore, July 22 – 27, 2018

[Numerous ECD leaders serving as joint conference chairs]

Materials Challenges in Alternative & Renewable Energy (MCARE 2018)

Sheraton Vancouver Wall Centre Hotel, Vancouver, BC Canada, August 20 – 23, 2018

[One of the Chairs: Sanjay Mathur is ECD member and ECD Past Chair]

New Initiatives/Opportunities:

HONORARY SYMPOSIUM: Advancing frontiers of ceramics for sustainable societal development – International symposium in honor of Dr. Mrityunjay Singh

The aim of this symposium is to address and discuss the latest issues, challenges, and opportunities in a variety of advanced materials and technologies that are critically needed for sustainable societal development.

7th Global Young Investigators Forum (ICACC 2018)

The goal of this annual forum at the ICACC is to bring together young researchers from around the world by facilitating scientific discussions to promote the exchange of ideas essential to identifying emerging global challenges at the forefront of ceramic science and engineering research. The ECD

will continue looking for funding/financial support to increase participation of young leaders, including undergraduate and graduate students.

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

ACerS Division Supplemental Funding

The ACerS Board should consider the continuation of the ACerS Division Supplemental Funding. The funding has proven to be very helpful to the individual divisions regarding growth in membership, educational opportunities and international outreach.

Specifically for the ECD, the continued support from the ACerS Board through the Supplemental Funding mechanism allows the GECST program to further develop and foster cooperation among young professionals from different parts of the world. This is in accordance with the ACerS plans for expanding international membership and cooperation.

Issues/Concerns: None

Additional Items of Note: N/A

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

Attached.

Submitted By: Andrew Gyekenyesi, Chair of Engineering Ceramic Division, 2016-2017.