



**2018/2019 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: **Manabu Fukushima**  
Chair-Elect: **Surojit Gupta**  
Vice-chair/Treasurer: **Valerie Wiesner**  
Secretary: **Hisayuki Suematsu**  
Secretary-Elect: **Palani Balaya**  
Trustee: **Michael Halbig**  
Parliamentarian: **Dileep Singh**  
Counselor: **Andrew Gyekenyesi**  
Counselor: **Jingyang Wang**  
ACerS Board of Directors Liaison: **Sanjay Mathur**  
PCSA Division Delegate: **Andy Ericks and Drew Jacobs**

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: 2019-2020

Chair: **Surojit Gupta**  
Chair-Elect: **Valerie Wiesner**  
Vice-chair/Treasurer: **Hisayuki Suematsu**  
Secretary: **Palani Balaya**  
Secretary-Elect: Nomination to be approved in ECD Business Meeting at MS&T  
Trustee: **Michael Halbig**  
Parliamentarian: Nomination to be approved in ECD ExCom meeting at MS&T  
Counselor: **Jingyang Wang**  
Counselor: **Manabu Fukushima**

Summary of Meetings and Activities Held/To Be Held (from Oct. 2018 through Oct. 2019):

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

**43rd International Conference on Advanced Ceramics and Composites (ICACC 2019)**

Daytona Beach, Florida, January 27 - February 1, 2019

**ICACC 2019 40th Anniversary Richard M. Fulrath Award Symposium: Frontiers of Ceramics for Sustainable Society**

Daytona Beach, Florida, January 29 - 30, 2019

**ICACC 2019 8th Global Young Investigator Forum**

Daytona Beach, Florida, January 28 - 29, 2019

**ICACC 2019 - Mechanical Properties of Ceramics and Glass Short Course - ACerS short course**

Daytona Beach, Florida, January 31 - February 1, 2019

**XVI ECerS conference 2019**

Turin, Italy, June 16-20, 2019

Chair: Paolo Colombo is ECD member.

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

**2nd Global Forum on Advanced Materials and Technologies for Sustainable Development (GFMAT-2) and the 4th International Conference on Innovations in Biomaterials, Biomanufacturing and Biotechnologies (Bio-4)**

Toronto, Canada, July 21-26,

General Chair: Tatsuki Ohji is ECD member and ECD Past Chair.

Co-Chair: Jingyang Wang is ECD member and ECD Past Chair. Palani Balaya is ECD member and ECD secretary elect. Dietmar Koch and Kiyoshi Shimamura are ECD members.

**Materials Challenges in Alternative and Renewable Energy (MCARE) 2019**

Jeju Island, Korea, August 19-23, 2019

Chair: Yoon-Bong Hahn is ECD member.

Co-Chair: Sanjay Mathur is ECD member and ECD Past Chair

One of co-chairs: Eva Hemmer is ECD member.

**1st Global Forum on Smart Additive Manufacturing, Design & Evaluation (Smart MADE)**

Osaka, Japan, September 1-3, 2019

Chair: Soshu Kiriara is ECD member and ECD Past Chair.

**13th Pacific Rim Conference on Ceramic and Glass Technology (PACRIM 13)**

Okinawa, Japan, October 27 -31, 2019

Chair: Takaaki Tsurumi is ECD member.

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

**10th International Conference on High Temperature Ceramic-Matrix Composites (HTCMC)**

Bordeaux, France, September 22-26, 2019

Chairs: Gerard L. Vignoles, Monica Ferraris and Walter Krenkel are ECD members.

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

**Global Engagement in Ceramic Science and Technology (GECST) Program –4th year**

The GECST program continued in its fourth 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). ECD acknowledges Surojit Gupta and Valerie Wiesner's highly dedicated work for this program.

**ECD has 1743 members as of August 31, 2019.**

Future Planned Meetings/Activities (from Nov. 2019 – Oct. 2020):

**44th International Conference and Expo on Advanced Ceramics and Composites (ICACC 2020)**

Daytona Beach, Florida, January 26-31, 2020

**ICACC 2020- 9th Global Young Investigators Forum**

Daytona Beach, Florida, January 26-31, 2020

**4th Pacific Rim Engineering Ceramics Summit**

Daytona Beach, Florida, January 26-31, 2020

**Special Focused Session on Diversity, Entrepreneurship, and Commercialization**

Daytona Beach, Florida, January 26-31, 2020

**Pan American Ceramics Congress and Ferroelectrics Meeting of the Americas (PACC-FMAs 2020)**

Panama City, Panama, July19-23, 2020

One of chairs: Tatsuki Ohji is ECD member and ECD Past Chair.

**Materials Challenges in Alternative & Renewable Energy 2020 (MCARE2020) combined with the 4th Annual Energy Harvesting Society Meeting (AEHSM 2020)**

Bellevue, WA, August 16-21

Numerous ECD members serving as symposium organizers.

**International Congress on Ceramics (ICC8)**

Busan, Korea, August 23-27, 2020

Numerous ECD members serving as symposium organizers.

New Initiatives/Opportunities:

**ECD Volunteer Recruitment and Retention Activities**

ECD is continuously working to recruit and retain volunteers and reward them with nomination for several division and society level awards.

**ECD additional budget for GGRN membership**

ECD ExCom approved additional **\$6,000 from ECD budget** to support GGRN membership in addition to \$2500 from ACerS. This is a good use of ECD budget for investing in students and the future.

Action Items for ACerS Board Consideration at September 28, 2019 meeting:

None.

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: Manabu FUKUSHIMA, Chair of Engineering Ceramics Division, 2018-2019