



**2018/2019 Division & Class Report
to the
ACerS Board of Directors**

Division/Class: Cements Division

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

Chair: David Corr
Chair-Elect: Denise Silva
President:
President-Elect
Vice-chair:
Vice-President:
Secretary: Shiho Kawashima
Secretary-Elect:
Secretary/Treasurer:
Treasurer:
Trustee: Maria Juenger
Parliamentarian:
Counselor:
Counselor:
ACerS Board of Directors Liaison: Sylvia Johnson
PCSA Division Delegate: None

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: Denise Silva
Chair-Elect: Shiho Kawashima
President:
President-Elect
Vice-chair:
Vice-President:
Secretary: Dimitri Feys
Secretary-Elect:
Secretary/Treasurer:
Treasurer:
Trustee: Maria Juenger
Parliamentarian:
Counselor:
Counselor:

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

The American Ceramic Society's Cements Division hosted their 10th Advances in Cement-Based Materials meeting June 16-18 at the University of Illinois at Urbana-Campaign in Urbana, Illinois.

The activities for the meeting began Sunday with the ERDC-CERL Tour and the NIST Workshop on Scanning Electron Microscopy and Image Analysis of Cementitious Materials. The student bowling event at the Illini Union was well attended.

Monday's keynote speaker was Prof. Timothy Wangler (ETH Zurich), kicking off the day of concurrent technical sessions. Mid-afternoon, during the Cements Division business meeting, Division Chair David Corr presented division updates including ACerS supplemental funding and budget usage, and division membership growth. The live broadcast Della Roy Lecture was given by Prof. David Lange of University of Illinois at Urbana-Champaign to the meeting's attendees on the topic "Beyond the Science".

Following the lecture, over 50 posters representing research were presented at the evening poster session. The evening concluded with the Elsevier-sponsored Della Roy Reception.

Tuesday's keynote speaker was Prof. Zach Grasley (Texas A&M University). His lecture was followed by a panel held by the professors Surendra Sha (Northwestern University), Doug Hooton (University of Toronto) and Maria Juenger (University of Texas, Austin) on the topic "Reflections on the 10th Anniversary of Cements Meeting). Several sessions throughout the day included talks on cement-related topics.

The YouTube Research Video and poster session winners, and Brunauer Best Paper Award were also announced. This year's YouTube Research Video contest winners were Karthik Pattaje from the University of Illinois at Urbana-Champaign on the topic "Controlling 3D Printable Concrete with Vibration", and Nima Hosseinzadeh from the University of Miami on "Hydration, strength and shrinkage of cementitious materials mixed with brine".

The 2018 Poster winners were: Robbie Damiani (University of Illinois at Urbana-Champaign), Christina Siakati (KU Leuven, Belgium), Sarah Williams (University of Colorado, Boulder), Baishakhi Bose (Purdue University), and Aniruddha Baral (University of Illinois at Urbana-Champaign).

The Brunauer Best Paper Award is presented to the best refereed paper on cements published during the previous calendar year in the Bulletin or the Journal of the American Ceramic Society. The Brunauer certificate was awarded to Delphine Marchon and co-authors (Patrick Juilland, Emmanuel Gallucci, Lukas Frunz, and Robert J. Flatt) for their contribution to the 2018 winning paper: Molecular and submolecular scale effects of comb-copolymers on tri-calcium silicate reactivity: Toward molecular design".

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

11th Advances in Cement Based Materials will be held June 2020 at the Northwestern University. Past division chair David Corr will serve as chair of the conference.

New Initiatives/Opportunities:

The Cements Division continues to engage social media to market the division and its conferences. YouTube contests have been part of the last three conferences.

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

None at this time.

Issues/Concerns:

None at this time.

Additional Items of Note:

The division membership numbers is currently at 179. Attendance at the conferences has been strong in recent years, having reached a high of 142 attendees in June 2019.

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

Attached

Submitted By: Denise Silva