

***THE PCSA***  
***STUDENT***  
***CONFERENCE***  
***GUIDE***

**EMA 2024**

# ***TABLE OF CONTENTS***

About the PCSA . . . . .	3
Networking Tips . . . . .	4
General Conference Tips . . . . .	5
Student Events . . . . .	6
Interesting Talks . . . . .	7
Ways to Get Involved . . . . .	8

# ***ABOUT THE PCSA***

The President's Council of Student Advisors (PCSA) is a committee comprised of both undergraduate and graduate students who aim to help the American Ceramic Society.



Leadership workshops  
Outreach opportunities  
Help organize ACerS conferences



Applications for the 2024-2025  
Delegation are open!

# ***NETWORKING TIPS***

Check out the ACerS Booth! The ACerS Staff are excellent people to get to know and can recommend to you good events and talks to attend. The ACerS booth will sometimes have nametag ribbons and branded trinkets that are great to have at conferences.

Follow ACerS and PCSA on social media

<https://ceramics.org/members/member-communities/presidents-council-of-student-advisors/>

Linkedin:

<https://www.linkedin.com/company/the-american-ceramic-society>

Instagram:

<https://www.instagram.com/acerspca/>

# **GENERAL CONFERENCE TIPS**

Conferences can be overwhelming, especially for students. Here is some general advice for how to make the most out of your conference experience.

***Go to the student events.*** Connecting with other students is the easiest way of expanding your network.

***Don't try to go to every talk.*** Committing yourself to over 8+ hours of talks each day will quickly drain you especially if conferences are week-long events. It also makes it more difficult for you to want to network since you will be too exhausted. Aim to sit through only a few hours of presentations spread out through the day. Use the downtime in between to network.

# ***STUDENT EVENTS***

EMA has an excellent set of networking and student-oriented events. More information can be found at <https://ceramics.org/event-subpage/ema-2024-schedule-of-events/>

***All times in MST.***

## ***Tuesday, Feb 13***

12:00 PM - 1:15 PM - IGNITE MSE Industry Lunch. Gold Coin.

5:00 PM - 6:30 PM - Colorado School of Mines Welcomes You to Denver Reception. Colorado F

## ***Wednesday, Feb 14***

12:30 PM - 2:00 PM - Industry panel for students and young professionals (lunch included). Citrus A/B

## ***Thursday, Feb 15***

12:45 PM - 1:45 PM - Journal Publishing Seminar: Writing to be Published. Colorado A

5:30 PM - 6:30 PM - Student & young professional reception. Penrose Ballroom

## ***Friday, Feb 16***

2:00 PM - 5:00 PM - Failure: The greatest teacher Colorado E

# ***STUDENT EVENTS***



## **IGNITE MSE**

***IGNITE MSE*** is a conference event hosted by the American Ceramics Society and the President's Council of Student Advisors. At EMA 2024, IGNITE MSE features a Networking Luncheon, a Journal Authorship Seminar, and so much more.

See the full IGNITE MSE schedule for more details - many events are still open for registration!

<https://foundation.ceramics.org/ignite-ema-2024/>

Keep an eye open for more IGNITE MSE events at future ACerS Conferences!

# ***INTERESTING TALKS***

Not sure where to start? Below are a list of talks given by current PCSA members, alumni, and notable speakers that are a good place to start.

***All times local***

## ***Plenary Speakers***

**Wed 2/14, 8:15-9:30AM** - Towards sub-THz telecommunication: Advantages with ultra-low permittivity dielectrics

*Speaker:* Dr. Heli Jantunen

**Thur 2/15, 8:15-9:30AM** - Adsorption, Diffusion, and Disconnection Motion During Sintering: Engineering Microstructures by Grain Boundary Control

*Speaker:* Professor Wayne D. Kaplan



# ***INTERESTING TALKS***

## ***Current PCSA Members***

**Wed 2/14, 12:15-12:30PM** - Exploration of magnetron sputtered  $\kappa$ -Ga<sub>2</sub>O<sub>3</sub> for ferroelectricity

*Speaker:* Emilee Fortier

*Session:* Symposium 3: Advanced electronic materials: Processing, structures, properties, and applications - Colorado E

**Thur 2/15, 11:15-1:30** - Phase Boundaries of LaWN<sub>3</sub> Synthesized from Oxide Precursors via Ammonolysis

*Speaker:* Shannon Rogers

*Session:* Symposium 3: Advanced electronic materials: Processing, structures, properties, and applications - Colorado E

**Thur 2/15, 12:15-12:30PM** - Improving the ionic conductivity of NaTiGaO electrolytes by pairing fast sintering, grain growth analysis, high throughput measurements, and data-driven computer models

*Speaker:* Michael Thuis

*Session:* Symposium 17: Electronic and Ionic materials in battery energy storage - Colorado H

# ***WAYS TO GET INVOLVED WITH ACERS***

Another great way of networking is by getting involved in organizations. Don't be afraid to reach out to them.

***Apply to be part of the PCSA.***

***Applications for the 2024-2025  
Delegation Open Now!  
Join an ACerS chapter.***

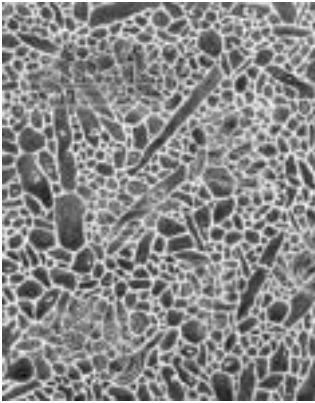
***Join the Global Graduate Research  
Network (GGRN).***

***If you have questions, talk to any of the  
ACerS staff or PCSA members.***

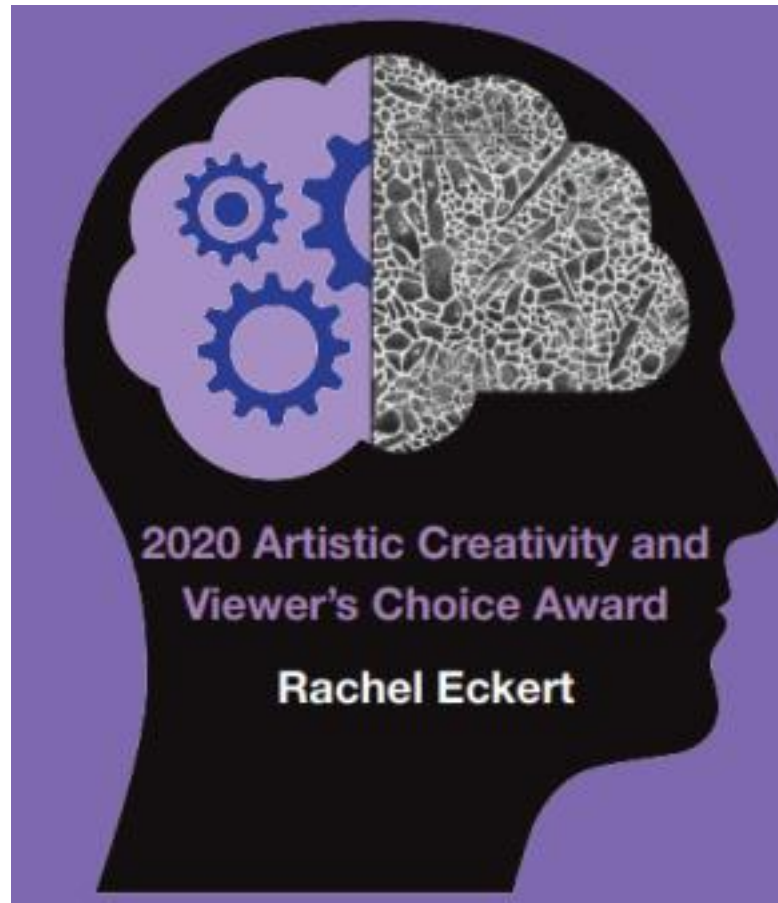


## 8th Annual ACerS PCSA

### 2020 Artistic Creativity and Viewer's Choice Award



Get your  
creative juices  
flowing!



### **Possible creativity piece:**

- Glassblowing • Stained glass
- Pottery • Ceramic and glass 3D printing • Artistic painting of a ceramic related image • Microscope and SEM images • Other glass or ceramic related forms of art

# Cash Prizes for three categories!

## Physical awards presented at MS&T24!

**Submissions will be evaluated based upon the following categories:**

- ***Scientific Creativity***, a technically difficult characterization or processing technique in a visual format
- ***Artistic Creativity***, a unique ceramic or glass inspired artistic piece
- ***Viewer's Choice***, The PCSA's social media audience will choose the awardee for this category

**For more information and how to enter, visit [ceramics.org/pcsacreative](https://ceramics.org/pcsacreative)  
Or @acerspcsa on Instagram!**

Submissions Open:  
**Summer 2024**

Contact PCSA Programming Committee  
Delegate Raine Antonio at  
[raine.antonio@wsu.edu](mailto:raine.antonio@wsu.edu) for questions.

President's Council of Student Advisors

Awards sponsored by:  
**CERAMIC**AND**GLASS**INDUSTRY  
FOUNDATION