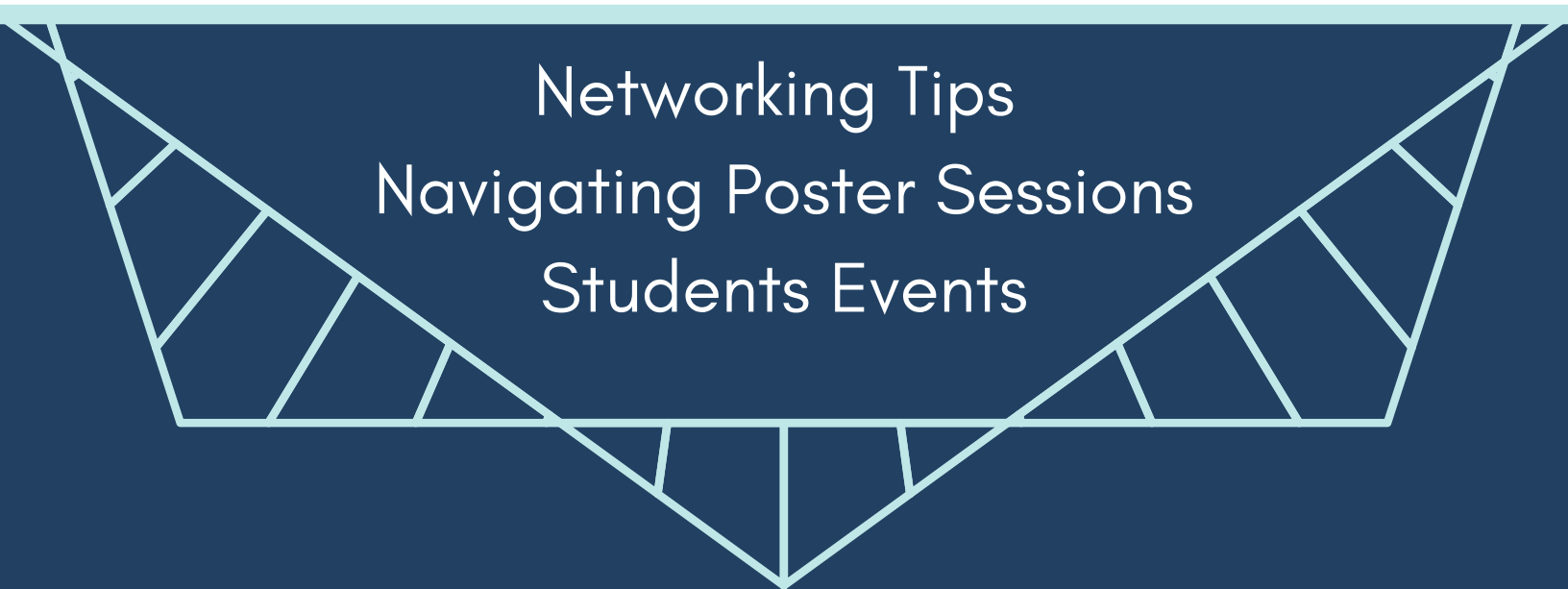


THE PCSA
STUDENT
CONFERENCE
GUIDE
ICACC 2021



Networking Tips
Navigating Poster Sessions
Students Events

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ABOUT THE PCSA

The President's Counsel 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



NETWORKING TIPS



Starting a conversation with a stranger can be daunting, but you can follow these steps to have a less awkward interaction.

Introduction

- Remember that the people at a conference are there to network in the first place, so approaching someone new is not that strange.
- Acknowledge the value of that person's time.
- Introduce yourself, your school, and who you work with.
- Specify a time limit when talking with someone new, this relieves pressure that the other person might feel in a new interaction.
Example: Can I talk to you for a few minutes before the next presentation?

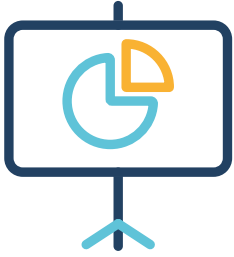
During the Conversation

- Be genuinely interested in what they have to say.
- Ask them questions that are different. Everyone is always asked "What do you research", instead you could ask them about their favorite talk.
- Don't be afraid to also talk about your work and your interests. This gives them opportunities to ask you questions or to find something that you have in common to talk about.

Exiting the Conversation

- Don't ask for their email or number to talk at a later time. Instead try asking if you can connect with them on LinkedIn. This provides a more casual and non-committal ending to the conversation. If they want to give more contact details, then they will do so, but it is ultimately their decision.

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

ICACC has an excellent set of networking and student-oriented events, more information can be found [here](#)

All times in EST.

Monday Feb. 8

12:30 PM – 1:30 PM – Journal Manuscript Workshop

Tuesday Feb. 9

12:30 PM – 1:30 PM – Global Young Investigator (GYIF)
Networking Session

Wednesday Feb. 10

12:30 PM – 1:30 PM – Network with a Pro
3:30 PM – 5 PM – Industry Panel for Students

Thursday Feb. 11

10:20 AM – 10:40 AM – Diversity Coffee & Conversation

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 in EST.

Talks by Current PCSA Delegates

Monday Feb. 8

1:30 PM - Oxidation of BN coatings in SiC/SiC Minicomposites at Intermediate Temperatures

Speaker: Victoria Christensen, 2019/20 PCSA Chair

Session: Advanced Ceramics and Coatings for Structural, Environmental and Functional Applications

12:20 PM - Computational and Experimental Doping Study of Nanoscale Lithium Cobalt Oxide Interfaces

Speaker: Spencer Dahl, PCSA Outreach Chair 2020/21

Session: Advanced Anode and Cathode Materials for Lithium Batteries

3:50 PM - High Thermal and Robust Hydrophobic Coatings: Fabrication of Lanthanum based thin Films via Single-Source Precursor

Speaker: Anna Schmidt-Verma

Session: Advanced Multifunctional Coatings

INTERESTING TALKS

Tuesday Feb. 9

2:10 PM - Multiple Electrode Flash Sintering of Solid Electrolytes

Speaker: Gareth Jones

Session: Novel Sintering Technologies I

Wednesday Feb. 10

2:00 PM - Hybrid additive manufacturing for the fabrication of free-form ceramic components

Speaker: Anna De Marzi

Session: Multi-Material and Hybrid Printing I

Thursday Feb. 11

11:10 AM - Core-Shell Mechanism of Etching V₂AlC MAX Phase to V₂CT_x MXenes

Speaker: Vrushali Kotasthane

Session: Design and Characterization of Mxenes for Functional Application II

Talks by PCSA Alumni and Other Notable Speakers

Monday Feb. 8

9:40 AM - Materials by Design: Three-Dimensional (3D) Nano-Architected Meta-Materials

Plenary Speaker: Julia Greer

Session: James L. Mueller Award Lecture and Plenary Speaker I

INTERESTING TALKS

Monday Feb. 8 Continued

11:15 AM – Composition Dependent Oxidation Resistance in High Entropy UHTCs

Speaker: Lavina Backman

Session: Frontiers in Ceramic Chemistry and Physics: New Precursors for Functional Ceramics, Ceramics and Catalysis, Functional Surfaces

Tuesday Feb. 9

10:40 AM – Dopant effect on thermodynamic stability of nano-LiMn₂O₄ for Li-ion battery cathode

Speaker: Kimiko Nakajima

Session: Advanced and Nanostructured Materials

9:00AM – Bridge Building Award Lecture: Joining and Integration: Building bridges between materials

Speaker: Monica Ferraris

Session: Bridge Building Award Lecture and Plenary Speaker

II

Wednesday Feb. 10

2:20 PM – Manufacturing of ceramic components with internal channels by a novel additive/subtractive hybridization process

Speaker: Giorgia Franchin

Session: Multi-Material and Hybrid Printing I

INTERESTING TALKS

Thursday Feb. 11

9:40 AM - Biaxial Flexural Strength Testing of Ceramics

Speaker: Adrianna Lupercio

Session: Mechanical Characterization Methods II

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.

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.