

PCCS Schedule

August 8, 2019

3:00 pm to 5:00 pm: Optional Tour of the Voiland School of Chemical Engineering and Bioengineering in **Wegner Hall** with Billy Schmuck.

August 9, 2019

Smith Center for Undergraduate Education (CUE) 202

7:15 am-8:00 am: Registration and Breakfast

Morning Session 1.

Chair: Jean-Sabin McEwen (Washington State University)

8:00 am – 8:10 am: Welcome from Pres. Kirk Schulz

8:10 am – 8:45 am: Susannah L. Scott, *Nuclearity Effects in Supported Zinc and Gallium Catalysts for Alkane Dehydrogenation*

8:45 am – 8:50 am: Discussion

8:50 am – 9:25 am: Ya-Huei (Cathy) Chin, *Catalytic Cycles for Activating Light Alkanes on Transition Metal and Metal-Oxide Catalysts*

9:25 am – 9:30 am: Discussion

9:30 am – 10:05 am: *6-Minute Poster Presentations (Samantha Bennett, Jacob Bray, Kristin Bryant, Greg Collinge, Kyle Groden)*

10:05 am – 10:35 am: Coffee Break

Morning Session 2.

Chair: Su Ha (Washington State University)

10:35 am – 10:52 am: Kandis Leslie Abdul-Aziz, *Elucidating the Design Rules for Smart “Geo-Inspired” Catalysts*

10:52 am – 10:55 am: Discussion

10:55 am – 11:30 am: Roger Rousseau, *Catalyst Design for Electrochemical Hydrogenation of Organic Compounds*

11:30 am – 11:35 am: Discussion

11:35 am – 12:15 pm: *6-Minute Poster Presentations (Ellis Hammond-Pereira, Nicholas Jaegers, Konstantin Khivantsev, Fan Lin, Luke Minardi, Bo Peng)*

12:15 pm – 1:45 pm: Lunch and Poster Session. **Posters in CUE Atrium.**

Afternoon Session 1.

Chair: Líney Árnadóttir (Oregon State University)

1:45 pm – 2:02 pm: Zdenek Dohnálek, *Mechanistic Understanding of the Formic Acid Adsorption and Reaction on Anatase TiO₂(101)*

2:02 pm – 2:05 pm: Discussion

2:05 pm – 2:40 pm: Francisco Zaera, *New Nanostructures for Increased Selectivity and Stability in Catalysis*

2:40 pm – 2:45 pm: Discussion

2:45 pm – 3:02 pm: Tej S. Choksi, *On the Bottom-up Design of Bimetallic Catalytic Nanoparticles with Atomic Level Resolution*

3:02 pm – 3:05 pm: Discussion

3:05 pm – 3:40 pm: Manh Thuong Nguyen, *Novel Single-Atom Catalysts: Insights from Experiment and Large Scale Molecular Simulations*

3:40 pm – 3:45 pm: Discussion

3:45 pm – 4:25 pm *6-Minute Poster Presentations (Andrew Raub, Manish Shetty, Verena Streibel, Nisa Ulumuddin, Austin Winkelman, Borja Zandkarimi).*

4:25 pm – 4:50 Coffee Break

Afternoon Session 2.

Chair: Steven Saunders (Washington State University)

4:50 pm – 5:25 pm: Abhaya K. Datye, *Atom Trapping: Key to the Design of Thermally Stable and Regenerable Catalysts*

5:25 pm – 5:30 pm: Discussion

5:30 pm – 6:00 pm Break

6:00 pm – 8:30 pm Conference Dinner.

Dinner in Elson S. Floyd Cultural Center: <https://culturalcenter.wsu.edu>.