

ACS PROGRAM-IN-A-BOX

CHEMISTRY ROCKS!

Exploring the Chemistry of **Rocks and Minerals**

When




Monday, October 30, 2017

Where



SCI 385

3:00 PM



We are surrounded by rocks and minerals everywhere... in the ground we walk on, the places we work and live, and even in the food we eat. How are chemists experimenting with these fundamental materials to help the world and make our lives better?

Experts



Brent Constantz
Blue Planet Ltd.



Young-Shin Jun
Washington
University in St. Louis

Host



Matt Davenport
C&EN

What Your Group Will Learn

- How can we use minerals to improve the quality of life
- What is the structural chemistry of various gemstones
- What is biomineralization and how can it inspire sustainable and novel building materials
- How mineralizing carbon dioxide can make an impact on the future of climate change
- What is the energy-water-food nexus and why do minerals matter
- What are extremophiles and how does their biochemistry allow them to thrive in extreme environments
- What are some potential future careers in rock and mineral chemistry