

**Missouri University of Science and Technology**  
**Department of Chemistry**  
**Graduate Seminar Schedule for Spring 2018**  
All seminars are held on Monday at 16:00 in room 126 Schrenk Hall

Monday, 15 January 2018 No seminar Martin Luther King Holiday

Monday, 22 January 2018  
No Seminar

Monday, 29 January 2018  
Rhenium Silicides: Tailoring the Structures and Properties  
Fei Wang  
Department of Chemistry  
Missouri State University  
Faculty Host: Amitava Choudhury

Monday, 5 February 2018  
Harmful Algae, Algae Toxin, Taste, Odor Control, and Mitigation in Public Water Systems  
Haiting Zhang  
Department of Chemistry  
Missouri University of Science and Technology

Monday, 12 February 2018  
Water-Rock Interactions in Alluvial Aquifer Systems  
David Borrok  
Department of Geosciences and Geological and Petroleum Engineering  
Missouri University of Science and Technology  
Faculty host: Phil Whitefield

Monday, 19 February 2018  
Poly-anion Cathode Materials for Alkali-ion Batteries  
Prashanth Sandineni  
Department of Chemistry  
Missouri University of Science and Technology

Monday, 26 February 2018  
Are there Martians in Australia?  
Melanie Mormile  
Department of Biological Sciences  
Missouri University of Science and Technology

Monday, 5 March 2018  
Surface-functionalized Mesoporous Carbons for Electrochemical and Hydrogen Storage Applications  
Eric Majzoub  
Department of Physics  
University of Missouri - St. Louis  
Faculty host: Amitava Choudhury

Monday, 12 March 2018

K-index: a Quantitative Predictive Tool that Describes Complex Soft-matter Nanomorphology and Correlates it with Synthetic Conditions

Tahereh Taghvaei Yazdani

Department of Chemistry

Missouri University of Science and Technology

Monday, 19 March 2018

No seminar ACS National Meeting: March 18-22, 2018 New Orleans, Louisiana

Monday, 26 March 2018

No seminar Spring Holiday

Monday, 2 April 2018

Designing High-efficiency Transition Metal Selenide Electrocatalysts for Water Splitting through Combinatorial Phase Exploration

Xi Cao

Department of Chemistry

Missouri University of Science and Technology

Monday, 9 April 2018

Epitaxial Metal Electrodeposition on Silicon and the Photoelectrochemical Regenerative Cell

Qingzhi Chen

Department of Chemistry

Missouri University of Science and Technology

Monday, 16 April 2018

Listeria Monocytogenes: From Food Poisoning to Cancer Immunotherapy

Chen Chen

Department of Plant and Microbial Biology

University of California – Berkeley

Faculty host: Yinfu Ma

Monday, 23 April 2018

Applications of Transition Metal Chalcogenides in Glucose Sensing, Supercapacitors, and Overall Water Splitting

Bahareh Golrokhamin

Department of Chemistry

Missouri University of Science and Technology

Monday, 30 April 2018

Prebiotic Astrochemistry in the THz Gap

Susanna Widicus-Weaver

Department of Chemistry

Emory University

Faculty host: Garry Grubbs