

Join us for our Spring Central Wisconsin ACS Meeting held on

**Tuesday, March 26, 2024 at 7:30pm**

at Borregaard USA  
(100 Grand Ave, Rothschild, WI, 54474)

## Probing Buried Interfaces

It has been said that nearly every battery material is known. The challenge involves identifying how to put them together so they work repeatedly and reliably. The chemistry of these interfaces is complex and dynamic but understanding it is essential to developing fast charging long lasting batteries. This talk will focus on understanding these interfaces through the use of *in situ* neutron reflectometry, model electrodes, and a lot of long nights. The presentation will be at a level that people with no experience with neutrons will still learn something from the discussion. Further, the discussion of buried interfaces and their chemistry will provide insights into a topic rarely explored in a traditional chemistry setting.



Gabriel Veith is a Distinguished Staff Scientist within the Chemical Sciences Division at ORNL. His research focuses on the development of new materials and processes related to energy storage/conversion applications as well as fundamental studies of liquid-solid and solid-solid interfaces. Particular areas of focus include sodium ion battery chemistry, using neutrons to probe reactive interfaces, physical vapor deposition processes to coat vacuum stable materials, and solid state batteries. He has 274 published papers, 15 patents, 8 patents submitted, and two R&D 100 awards. He is also the honorary scientific advisor for the Charlotte-Mecklenberg Police Department (Burglary Division).

*There will be social gathering at 5:30pm followed by dinner at 6pm at the Palms (5912 BUS-51, Weston, WI 54476) prior to the seminar.*

**Please RSVP to Carter ([carter.abney@borregaard.com](mailto:carter.abney@borregaard.com)) by Friday, March 22 for dinner.**