Dr. Rebecca Fushimi, Ph.D
Research Scientist, Biological and Chemical Processing Department,
Energy and Environment Science and Technology, Idaho National Laboratory

12:00 1:00pm
Energy Innovation Center • Encana Auditorium • Lunch Provided

Dr. Fushimi is a research scientist working in the area of interfacial chemistry and catalysis. Her background includes selective oxidation, dehydrogenation and reforming reactions on supported metals and mixed metal oxide catalysts. She has been working with the Temporal Analysis of Products (TAP) transient kinetic technique for more than 15 years and is the leading expert in the TAP experimental methodology. A key focus of her work is to apply this unique tool to accelerate industrial catalyst development. In addition, new work is underway to expand the TAP technique beyond catalysis where probe molecule characterization can be used more broadly in materials development.

The TAP reactor system provides a totally different way of looking at catalysis and materials science problems. It does this by using a probe molecule pulse response to analyze complex reaction kinetics. Fewer than 20 TAP systems exist in the world, and only three, including the system at INL, reside in the U.S. Join us to learn more about Dr. Fushimi’s research and advancements with the TAP system.

For more information contact Don Roth at rothdon@uwyo.edu.