In 2009, the Legislature of the State of Wyoming appropriated $1.6 million to the University of Wyoming, School of Energy Resources (SER) for activities related to the development of in-situ recovery of uranium (ISRU) in the state. The ISRU research program was created to stimulate research and development in the area of ISRU in Wyoming. The ISRU Research Symposium is a forum for ISRU researchers to present their findings.

9:00 – 9:30 am  Registration (University of Wyoming, Union Ballroom Foyer, 2nd Floor)

9:30 – 9:45 am  Welcome and Opening Remarks – Jonathan Downing, Executive Director, Wyoming Mining Association

9:45 – 10:30 am  Enhancing Bioremediation of In-Situ Uranium Aquifers through Uranium and Carbon Isotopic Tracing of Biologic Activity, Kevin Chamberlain, University of Wyoming

10:30 – 11:15 am  A Column Study for Enhanced Bioremediation of In-Situ Uranium Aquifers with Varying Levels of Total Dissolved Solids, John Willford, University of Wyoming

11:15 am – 12:00 pm  Field Evaluation of the Restorative Capacity of the Aquifer Down Gradient of a Uranium In-Situ Recovery Mining Site During Mining Operations, Paul Reimus, Los Alamos National Laboratory

12:00 – 1:00 pm  Networking Lunch

1:00 – 1:45 pm  The Mineralogy and Provenance of Wyoming Uranium Roll Front Deposits and their Significance to In-Situ Recovery Mining Processes, Susan Swapp, University of Wyoming

1:45 – 2:30 pm  Critical Evaluation of Restoration Goals Based on Improved Geochemical and Toxicological Characterization of Baseline- and Post-Mining Site Conditions, Thomas Borch and Thomas Johnson, Colorado State University, and James Stone, South Dakota School of Mines and Technology

2:30 – 2:45 pm  Break

2:45 – 3:30 pm  Testing the Chemical and Biological Efficacy of Cupric Oxide Nanoparticles from Uranium In-Situ Recovery Produced Water, Jodi Schilz, University of New Mexico

3:30 – 4:15 pm  A Novel One-step Process for Uranium Production Bleed Water to Filter Trace Metals Using Cupric Oxide Nanoparticles, Brandon Reynolds, Wyoming State Engineer’s Office

4:15 – 4:30 pm  Closing