Webinar Agenda
Advanced Sensors and Instrumentation (ASI)
2019 NE I&C Review
(All Times are Eastern Daylight Time)

Wednesday, October 30, 2019

10:00 am	Welcome and Overview of Webinar Protocol (Craig Primer, INL)

Sensors and Instrumentation:

10:15 am	Overview of NEET ASI Direct Funded Projects (Pattrick Calderoni, INL)
10:45 am	High temperature, low drift thermocouples for nuclear applications (Richard Skifton, INL)
11:15 am	Advanced Manufacturing Techniques for Sensor Fabrication (Kiyo Fujimoto for Mike McMurtrey, INL)
11:45 am	Line source measurement system for nuclear materials thermal properties (Austin Fleming, INL)
12:15 pm	Resonant Ultrasound Spectroscopy for nuclear materials microstructure characterization (Rob Schley, INL)
12:45 pm	***Lunch Break***
1:15 pm	Sensor and Instrumentation Website Overview (Tim Downing, PNNL)
1:45 pm	3-D Chemo-Mechanical Degradation State Monitoring, Diagnostic and Prognostics of Corrosion Processes in Nuclear Power Plant Secondary Piping Structures (Kane Jennings for Douglas Adams, Vanderbilt University)
2:15 pm	Fiber Optic Sensor for Simultaneous Measurement of Temperature and Pressure (Derek Rountree, Luna Innovations Incorporated)
2:45 pm	High temperature embedded/integrated sensors (HiTEIS) for remote monitoring of reactor and fuel cycle systems (Xiaoning Jiang, North Carolina State University)
3:15 pm	Versatile Acoustic and Optical Sensing Platforms for Passive Structural System Monitoring (Daniel Homa, Virginia Tech)
3:45 pm	Direct Digital Printing Sensors for Nuclear Energy Applications (Tim McIntyre, ORNL)
4:15 pm	Integrated silicon/chalcogenide glass hybrid plasmonic sensor for monitoring of temperature in nuclear facilities (Maria Mitkova, Boise State University)
4:45 pm	High Temperature Operable, Harsh Environment Tolerant Flow Sensors for Nuclear Reactor Applications (Jon Lubbers, Sporian Microsystems, Inc)
5:15 pm	Feedback/Discussion (Craig Primer, INL)
5:30 pm	***Adjourn***