Webinar Agenda Advanced Sensors and Instrumentation (ASI) 2019 NE I&C Review

(All Times are Eastern Daylight Time)

Wednesday, November 6, 2019	
10:00 am	Welcome and Overview of Webinar Protocol (Craig Primer, INL)
Big Data and Machine Learning:	
10:15 am	Analytics at scale of Sensor Data for Digital Monitoring in Nuclear Plants (Vivek Agarwal, INL)
10:45 am	Deployable Risk-Informed Predictive Maintenance Strategy for Commercial Nuclear Power Plants (Vivek Agarwal, INL)
11:15 am	Improving Nuclear Power Plant Efficiency through Data Analytics (Wes Hines, University of Tennessee)
11:45 am	Process Constrained Data Analytics for Sensor Assignment and Calibration (Rick Vilim, ANL)
12:15 pm	Lunch Break
12:45 pm	Small Modular Reactors (NuScale) (Brian Arnholdt, NuScale)
1:15 pm	Big data analytics solutions to improve nuclear power plant efficiency; Online monitoring, visualization, prognosis, and maintenance decision making (Kaibo Liu, University of Wisconsin-Madison)
1:45 pm	Big Data For Operation and Maintenance Cost Reduction (Carol Smidts, Ohio State)
2:15 pm	Development of optical fiber- based gamma thermometer (Thomas Blue, Ohio State)
New Activities:	
2:45 pm	Innovation Portal demo (Casey Kovesdi, INL)
3:15 pm	GAIN Sensor Workshop Overview (Lori Braase, INL)
3:45 pm	Sensor and Instrumentation Website Overview (Tim Downing, PNNL)
4:15 pm	ASI Strategic Plan/Feedback/Discussion (Craig Primer, INL)
4:45 pm	Concluding Remarks (Suibel Schuppner, DOE)
5:15 pm	Adjourn