



Title: Mechatronics Hands-on Workshop Presented by National Instruments

Date/Time: Monday, July 28, 8:30 AM – 12:00 PM

Location: Renaissance Austin Hotel

Cost: \$80



Description:

From Chalkboard to Breadboard: The Electronics Education Platform

The Electronics Education Platform is an end-to-end tool-chain, which leverages interactive learning through simulation and virtual instrumentation to bridge the gap between textbook theory and real-life circuit behavior. The Electronics Education Platform is a unique combination of tools including: NI Multisim schematic capture and SPICE simulation software, NI ELVIS II prototyping platform and NI LabVIEW/LabVIEW SignalExpress graphical system design software.

This workshop will explore the Electronics Education Platform, with a hands-on session to see how circuit theory can come to life in the classroom. Explore the integrated capture and simulation environment of Multisim with virtual components, interactive simulation and 3D NI ELVIS modeling. Learn how the NI ELVIS platform enables students to design and prototype their circuit with the 12 integrated instruments. Also explore virtual instrumentation and graphical programming with NI LabVIEW. Leverage this platform for a complete electronics learning experience.

Presenters:



Sandra Tso is an Academic Marketing Engineer at National Instruments, where she focuses her time on enhancing education with graphical systems design, virtual instrumentation and experiential learning through the adoption of NI LabVIEW, NI Multisim and NI ELVIS into technology curricula. She is passionate about education and fostering student's interest in technology, science, and engineering.



Anu Saha is an Academic Product Engineer at National Instruments (NI), where one of his focuses is enhancing technology education through adoption of LabVIEW and ELVIS platforms into curricula. Saha started his career at NI in 2003 as a member of the Engineering Leadership Program. After completing a branch assignment in South Korea, where he helped the branch adjust to its rapid growth, Saha returned to the NI corporate headquarters in Austin, Texas, to support customers in the Applications Engineering department. He holds a bachelor of science in computer engineering and a bachelor of science in electrical engineering from the University of Tennessee.