

ASEE Annual Conference 2018, Salt Lake City, US

Workshop: Remote Laboratories for Engineering Education

Sponsor: Global Online Laboratory Consortium (GOLC)

Date: June 24, 2018 (Sunday)

Time: 9:00am - 12:00noon (US Pacific time)

Location: Convocation Center- Salt Palace, 355 D

Workshop Co-Chairs: Abul Azad, GOLC President & IAOE Executive Committee Member
Michael Auer, IAOE Founding President and CEO

Who can attend: Academics, Administrator, Researcher, and potential remote laboratory developer

Description: With the growth of Internet of Things (IoT) there is a tremendous interest toward Internet accessible remote laboratories. Researchers have been working on remote laboratories for a considerable period of time and are making remarkable breakthrough utilizing cutting edge technologies and current understanding of learning strategies. Even with all of these developments, the popularity of remote laboratories is still very limited and does not have much attention to incorporate them as a part of their regular curriculum. This three hour long workshop will provide an idea about the extent of remote laboratory developments and their use around the globe. Our presenters include representation from few major remote laboratory development groups. The presentations will also highlight the shortcomings and potential of remote laboratories in STEM education.

Workshop Agenda

9:00am	Michael Auer , <i>CTI Villach, Austria</i> Introduction and Background of Online Laboratories in Engineering Education
9:20am	Abul Azad , <i>Northern Illinois University, US</i> IoT, Remote Laboratories & Role of GOLC
9:30am	Kalyan Ram B , <i>Electrono, India</i> Dominik May , <i>University of Georgia, Athens, US</i> An Enterprise Solution for Industrial IoT
10:30am	Tea break
10:40am	Kalyan Ram B , <i>Electrono, India (continuation)</i> Dominik May , <i>University of Georgia, Athens, US</i> An Enterprise Solution for Industrial IoT
11:00am	Alfred Breznik , <i>EMONA Instruments Ltd, Australia</i> netCIRCUITlabs- Remote Laboratories for Telecoms, Signals & Systems Laboratories
11:50am	Discussion
12:00	End