

Distributed Experiment Systems and Distributed Learning

Abstract

The lecture will cover new directions in online and pocket laboratories and related learning scenarios such as flipped classroom, vocational studies, etc. Special attention will be given to the new laboratory network VISIR Association in the IAOE. Another focus is the application of data science methods and dashboards to support teachers in laboratory exercises with the VISIR system. Distributed systems for online labs are also used for distributed mini-systems for data acquisition and analysis. Modern trends in distributed data analysis with deep learning are presented.