

# REV2022 Special Session

## Call for Papers

### Title

**The Impact of Digitization in Engineering Training  
(SCHOOL – UNIVERSITY – INDUSTRY cooperation)**

### Acronym

**IDET**

### Overview

“Digitization is the integration of digital technologies into everyday life by the digitization of everything that can be digitized.”

The impact of digitization on all aspects of engineering training/education is rapidly increasing. Engineering is becoming more and more data driven because of the technological developments in Artificial Intelligence AI, IoT, Communications, Controls, computing, etc.

For engineering faster innovation and adoption of digitization therefore requires research and development across the full data lifecycle, from sensors and communications, through to controls, instrumentation, and corresponding informatics.

The use of Digital Technologies has an impact on future job requirements and naturally on the education & training processes for engineers. Digital Technologies can now assist children, students and workers in their training and education needs (local and remote) thus making the worker of today more viable in the labour market.

Remote laboratories provide web access to physical laboratories and by this allows students from university and engineers to conduct experiments without being physically present at the location of the laboratory equipment. The best part about the digitization of education in the 21st century is that it is combined with the aspects of both - classroom learning and online learning methods.

## Topics

Authors are invited to submit complete papers for the IDET Special Session (no abstracts needed). The topics cover all aspects of DIGITIZATION, including but not limited to the following:

- Artificial Intelligence AI
- Ethics and Moral in AI applications
- Cloud Instrumentations
- Remote Training and Education
- Creative solutions in Research, Education and Production
- IoT, IIoT and medical IoT systems
- IoT Network, Services and Security
- School – University - Industry Collaborations
- Smart Homes and Systems (Illumination control, Automation, Monitoring, etc.)
- Reconfigurable systems
- New Li-Fi solutions,
- ON-field environmental/health measurements, etc.

## Program Committee

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