



## ICELIE 2022

9th IEEE International Conference on  
E-Learning in Industrial Electronics  
October 18-21, 2022 Brussels



# 9th IEEE International Conference on E-Learning in Industrial Electronics (ICELIE 2022) 17 to 20 October 2022, Brussels

## Belgium

### CALL for papers

The purpose of the 9th IEEE International Conference on E-Learning in Industrial Electronics (ICELIE 2022) is to provide a forum for presentation and discussion of modern education and electronic learning methods for teaching in the field of industrial electronics. ICELIE 2022 will be co-located with IECON 2022, the flagship conference of the IEEE Industrial Electronics Society.

These two conferences will hold concurrent sessions and joint activities, but each conference will publish its own proceedings. Participants can enjoy both ICELIE and IECON conferences and receive both conference proceedings for a single registration fee.

The topics of IEEE-ICELIE 2022 that will be addressed in this conference will include, but are not limited to:

- **eLearning in Pandemic:** Innovative techniques for teaching industrial electronics in pandemic environment. Effects of pandemic for learning and teaching in industrial electronics.
- **eLearning-oriented devices and networks:** Mobility (IEEE 802.11, smart devices); Mobile communications; From 4G to 5G and beyond; Mobile/Wireless networking; Wireless access; Mobile IP, VoIP, IPTV; Satellite technologies; Next generation of mobile technology; User-oriented device interfaces; Adaptable student/device interaction; Wearable devices
- **eLearning technologies:** Architecture of eLearning systems; Informal learning; Exploratory and serendipitous learning; Multimedia and hypermedia; Integrated learning and educational environments; Remote and wireless teaching technologies; Anytime/anywhere eLearning and wearable network devices; Adaptive eLearning and intelligent tools; Agents; Intelligent tutoring systems; Practical uses of authoring tools; Application of metadata and virtual reality.
- **Tools and platforms:** eLearning tools; Mobile/ubiquitous eLearning; Web 3.0 and social computing for learning; Ontologies and semantic Web standards for eLearning; Adaptive and personalized educational hypermedia; Peer-to-Peer learning applications; Social software for collaborative learning; e-Learning platforms, portals and virtual learning environments; Multimedia environments; Web-based learning; Learning content management systems
- **On-line learning:** Content engineering; Internet based systems; Navigational aspects; Virtual spaces; Ubiquitous learning; Mobile e-Learning applications; Pervasive e-Learning; Multi-agent technology in Web-based education; Semantic social networks; Community discovering in social learning systems; Social structure exploitation in e-learning
- **Mobile learning, teaching, and training:** Teaching and learning technologies for mobile learners; Software and hardware systems for mobile learning and teaching; Virtual mobile learning environments; Adaptive learning strategies; Security issues; LMSs for mobile learning; Infrastructure, administrative and organizational issue of mobile learning; Applications of mobile technology in open, distance and corporate education; strategies and policies on mobile learning
- **Hybrid learning:** Didactics; Teacher-centric and student-centric approaches; Self-learning integrated methodology; Learner autonomy; Interactive hybrid learning; Collaborative learning/groupware; Content

management for hybrid learning; Digital libraries; Content development in hybrid learning; Outcome based teaching and learning

- **Challenging technical aspects:** Remote laboratories; Simulation/emulation vs. physical experimentation; New e- Learning virtual/remote laboratories; eLearning software and hardware; Curriculum projects and experiences; Educating the educators; Simulated communities; Online mentoring; Personalization; Corporate training
- **Assessing eLearning:** Organization of eLearning; Cost models for eLearning; E-market place for higher education; Evaluation of eLearning; eLearning effectiveness and outcomes; Global trends in eLearning

**Presented papers at this conference will be published in an IEEE proceedings volume and will be included in IEEE Xplore.**

**Also, participants can enjoy both ICELIE and IECON conferences and receive both conference proceedings for a single registration fee.**

**The Organizing Committee ICELIE 2022 looks forward to welcoming you to Brussels, Belgium .**

### **Conference dates:**

<b>Full Paper Submission Deadline</b>	<b>June 30, 2022</b>
<b>Acceptance Notification</b>	<b>July 20, 2022</b>
<b>Final Submission and Registration Deadline</b>	<b>August 25 2022</b>