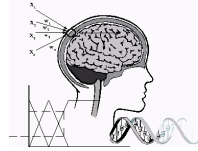




# International

*Innovation in Knowledge Based and Intelligent Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Intelligent E-Learning: Engagement, Motivation and Beyond

**Name, Title and Affiliation of Chairs:**

Prof. Marcin Fojcik, Western Norway University of Applied Sciences, Norway  
Prof. Jakub Swacha, University of Szczecin, Poland  
Assoc. Prof. Piotr Czekalski, Silesian University of Technology, Poland  
Assoc. Prof. Aleksandra Świetlicka, Poznan University of Technology, Poland

**Details of Session (including aim and scope):**

The rapid development of digital technologies and Artificial Intelligence (AI) is transforming the way we teach and learn, especially in technical and engineering disciplines. Challenges related to maintaining motivation and engagement have become crucial in designing modern e-learning systems that are both effective and adaptive. This invited session aims to present research and solutions that support intelligent online education, including AI-driven personalization, adaptive learning methods, data analytics for learner engagement, gamification strategies, and innovative approaches to remote and asynchronous teaching. The session welcomes interdisciplinary contributions combining computer science, automation, education, and applied sciences.

**Topics of Interest**

- Motivational models in e-learning
- Engagement analysis and interaction in digital environments
- Gamification as a method to enhance engagement
- Remote and asynchronous learning – challenges and solutions
- AI and adaptive systems for technical education
- Cybersecurity and privacy in e-learning platforms
- Usability and ergonomics evaluation of e-learning systems

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

Western Norway University of Applied Sciences, Norway  
University of Szczecin, Poland  
Silesian University of Technology, Poland  
Poznan University of Technology, Poland  
...

**Website URL of Call for Papers (if any):**

*(To be added after KES provides the session code)*

**Email & Contact Details:**

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