 INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:

Smart Education: Learning environment using technology

Name, Title and Affiliation of Chair:

Chair: Nobuyuki Ogawa, Professor, National Institute of Technology, Gifu College
Co-chair: Hideyuki Kanematsu, Specially Appointed Professor, Osaka University
Co-chair: Kuniaki Yajima, Professor, National Institute of Technology, Sendai College
Co-chair: Dana Barry, Professor, Clarkson University
Co-chair: Katsuko T. Nakahira, Associate Professor, Nagaoka University of Technology
Co-chair: Kazunori Nishino, Professor, Taisei Gakuin University

Details of Session (including aim and scope):

Currently, universal education has been extended to higher education, and various educational systems are beneficial for lifelong learning. With this trend, a teacher-centered class should be changed to a student-centered class. In other words, they should learn positively at all levels of education. To achieve this purpose, a smart education centering on e-learning and active learning using ICT will play a more critical role than ever.

In this session, we will cover topics related to the learning environment and its use of technology. We welcome presentations on teaching methods, educational systems, PBL practices, educational evaluation, and other related topics that promote smart education and encourage student engagement.

The following topics will be welcomed:

[TOPICS] Smart Education, ICT-driven Education, Distance Learning, Collaborative Learning; Practical Examples for Smart Education, Academic Portfolio, Learning Management Systems, Curriculum Development, Simulations, and Modelling, Virtual Learning Environments

Additionally, in this session, we welcome topics on general smart technology that will be applied in various fields, including education. We will additionally cover the following topics:

[TOPICS] AI technology, Sensor technology, Robot technology, Metaverse technology, Remote control technology, Biometric measurement technology, Cyberspace and physical space connection technology, XR (VR, AR, MR) technology, General sensing technology, General robot technology, etc.

Main Contributing Researchers / Research Centres (tentative, if known at this stage):
e-Help in Japan

Website URL of Call for Papers (if any):
http://oberon.nagaokaut.ac.jp/kes/2026/index.htm

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