



# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

**Smart Education: Active Learning using ICT and e-Learning**

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

Chair: Nobuyuki Ogawa, Professor, National Institute of Technology, Gifu College  
Co-chair: Hideyuki Kanematsu, Professor, National Institute of Technology, Suzuka College  
Co-chair: Kuniaki Yajima, Professor, National Institute of Technology, Sendai College  
Co-chair: Takashi Yukawa, Professor, Nagaoka Institute of Technology  
Co-chair: Katsuko T. Nakahira, Assistant Professor, Nagaoka Institute of Technology  
Co-chair: Kazunori Nishino, Professor, Kyushu Institute of Technology

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

At present, universal education has been extended to higher education as well, and various educational systems are helpful for our lifelong learning. With this trend, teacher-centered class should be changed to student-centered class. In other words, they should learn in a positive manner at all levels of education. To achieve such a purpose, smart education centering on e-learning as well as active learning using ICT will play a more important role than ever.

In this session, we define active learning as a learning form that could encourage students to be positive in classes. Therefore, we will welcome any presentations on, for example, educational tools, educational systems, educational environment, teaching methods and evaluation methods, so long as the researches would be related to smart education focusing around active learning using ICT and e-Learning.

The following topics will be welcomed:

Smart Education, Active Learning, ICT-driven Education, e-Learning, Distance Learning, Blended Learning, Problem Based Learning, Collaborative Learning; Practical Examples for Smart Education, Practical Examples for Active Learning, Practical Examples for Problem Based Learning; Academic Portfolio, Teaching Portfolio; Portfolio Systems, Learning Management Systems, Evaluation Systems and Methods; Pedagogical Models, Curriculum Development, Management for General Active Learning Using ICT, Virtual Learning Environments, Learning Objects, Simulations and Modelling, Gaming and Edutainment, Online Groupwork

**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/2018/index.htm>

**Email & Contact Details:**

Nobuyuki Ogawa,  
Email: [ogawa@gifu-nct.ac.jp](mailto:ogawa@gifu-nct.ac.jp)  
Address: NIT, Gifu College  
2236-2 Kamimakuwa, Motosu-city, Gifu 501-0495, Japan  
Voice/FAX: +81-58-320-1323/+81-58-320-1429  
Hideyuki Kanematsu  
Email: [kanemats@mse.suzuka-ct.ac.jp](mailto:kanemats@mse.suzuka-ct.ac.jp)  
Address: NIT, Suzuka College  
Shiroko-cho, Suzuka, Mie 510-0294, Japan  
Voice/FAX: +81-59-368-1848/+81-59-368-1852