



International

*Innovation in Knowledge Based and Intelligent
Engineering Systems*



INVITED SESSION SUMMARY

Title of Session:

Sustainable Education: Sharing Value for Next Generation Learning

Name of Chair:

Prof. Robertas Damasevicius
Kaunas University of Technology

Details of Session:

Universities around the world have launched ambitious programs aiming to raise academic standards and aim for excellence. However, many of these programs have failed to reach their ambitious goals. Meanwhile, the existing educational systems need to prepare the young generation to meet the demands of the future world and acquire crucial competences for the 21st century, while using limited resources of the educational environment. Sustainable education means finding long-lasting solutions through continuous and life-long education, utilizing and sharing distributed educational resources such as Learning Objects and MOOCs, while no talent gets wasted. The implementation of sustainable education will require substantial effort in reframing of curricula, increasing motivation of teachers and students, and developing technologies for decentralized learning and sharing of knowledge and experience.

Topics of interest include, but are not limited to, the following:

- University as a Service
- Networked university
- Cloud computing paradigm for smart education
- Open access learning
- Methodologies for sharing knowledge on demand
- Gamification of education
- Smart learning objects for global learning
- Pedagogical models for decentralized learning
- Educational robotics for collaborative learning
- Circular learning
- Peer-to-peer learning
- Blockchain technology for learning
- Artificial intelligence frameworks for curricula design
- Case studies in sustainable smart education

Invited Session Chairs:

Robertas Damaševičius received his Ph.D. in Informatics Engineering from Kaunas University of Technology (KTU) in 2005. Currently, he is a Professor at Software Engineering Department, KTU. His research interests include sustainable software engineering, human-computer interfaces, and e-learning. He is the author of over 200 papers as well as a monograph published by Springer. He is also the Editor-in-Chief of Information Technology and Control journal and has been the Guest Editor of several invited issues of international journals (Biomed Research International, Computational Intelligence and Neuroscience, Journal of Healthcare Engineering, Journal of Universal Computer Science, MDPI Computers, MDPI Information, IEEE Access) and session organiser at several conferences (Federated Conference on Computer Science and Information Systems FedCSIS 2016-2018; International Conference on Ambient Systems, Networks and Technologies ANT2018). He is also the PC Chair of the International Conference on Information and Software Technologies (ICIST) since 2014.

Website URL (if any):

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