



United Nations
Educational, Scientific and
Cultural Organization



UNESCO Chair
on Mechatronics,
Bogazici University



18th International Conference on

Information Technology Based Higher Education and Training ITHET 2019

26-27 September 2019, Magdeburg, Germany

<http://www.ithet.boun.edu.tr>



Organized by:

UNESCO Chair on Mechatronics,
Bogazici University, TR
SPIRIT group, Magdeburg-Stendal
University oAS, DE

Technically Co-sponsored by:

IEEE Education Society
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Objectives: The convergence of current technologies provides the infrastructure for transmitting and storing information faster and cheaper. For information to be used in gaining knowledge, however, environments for collecting, storing, disseminating, sharing and constructing knowledge are needed. Such environments, knowledge media, brings together telecommunication, computer and networking technologies, learning theories and cognitive sciences to form meaningful environments that provides for a variety of learner needs. ITHET 2019 will continue with the traditional themes of previous events. However, the next ITHET will have "Studio" based learning as its special theme. We define "Studio" based learning as a progression from "Content" based, and then to "Enquiry" based, and then to "Studio" based learning. In the first, we the teachers choose both the questions and answers that students should know. In the second, we choose the questions and the students find the answers. In the "Studio" approach the students must discover the questions for themselves and also find the answers to those questions. It is hoped that this will enable students to articulate their knowledge and skills into capability.

Location: The organizing committee of ITHET 2019 extends a cordial invitation to you to come to Magdeburg Campus of the Magdeburg-Stendal University of Applied Sciences. Just a 1:30 hrs ride west of Berlin, located in the east of the capital of the state of Saxony-Anhalt, the green campus stretches along a large park next to the beautiful river Elbe. The University was founded in 1991 and has a long-gained reputation for its well-rounded academic education program and motivated student body. Its Engineering research focuses on Mechanical Engineering, Electronics & Information Technology, Construction, and Design. It concerns Sustainable Energy Supplies, Automation Technology, Smart Systems, High-frequency Magnetic Fields, Efficient Building Systems, Safety Control Systems as well as Industry 4.0. Its Educational Development and Didactics Center has built a national reputation.

Topics: The scope of the conference will cover but not be limited to:

Curriculum: Curricula for key global technical challenges

Pervasive: Higher education as it is changing with the advent of pervasive information technology.

Virtual: Virtual laboratories, classroom, universities

Delivery: Changing delivery patterns and asynchronous learning.

Quality: Quality management and accreditation issues in technology-rich environments.

Studio: Studio based learning

Roles: Changes in the roles and relationships of learners and teachers in technology-mediated environments.

Innovation: Innovative uses of technology for teaching and learning within higher education and training.

Assessment: The impact of technology on assessment practices in higher education, with particular interest in support for self- and peer-learning and evaluation, and the challenge of plagiarism and cheating.

Paper Submission: Prospective participants are invited to electronically submit their **full papers** following the instructions available on the conference web site. *This is a change from previous years where papers were accepted for presentation on abstract, and then full papers were invited for accepted abstracts.*

Special Sessions: Prospective participants of ITHET 2019 are encouraged to organize special sessions (5-6 papers) in a particular area within the conference topics. Those interested should contact either Oliver Bonnaud at olivier.bonnaud@univ-rennes1.fr or Vladimir Trajkovik at trvlado@finki.ukim.mk for details.

Submission deadlines:

Deadline for electronic submission of full papers	28 June, 2019
Notification of acceptance and registration	26 July, 2019
Submission of final papers	23 August, 2019

Co-located Events: The workshops IETel 2019 and PRASAE 2019 will be co-located with this conference. More information will soon be available at our website.