17th International Conference on
Information Technology Based
Higher Education and Training

ITHET 2018

26-28 April 2018, Olhão, Algarve, Portugal
http://www.ithet.boun.edu.tr

Organized by:
UNESCO Chair on Mechatronics,
Bogazici University, Turkey

Technically Co-sponsored by:
IEEE Education Society
IEEE Industrial Electronics Society
EAEEIE
GEDC
IFEEES
ICIP
SEFI

International Advisory Board
Hidenori Akiyama (Kumamoto Univ., JP)
Michael E. Auer (IFEEES)
Hanno Hortsch (IGIP)
Hans J. Hoyer (GEDC)
Russ Meier (IEEE Education Soc., US)
Mike Murphy (SEFI)
Imre Rudas (Obuda Univ. TR)
Victor Schutz (IEEE Education Soc., US)
Sririn Tekinay (Sabanci Univ. TR)
Martin E. Vigld (Tech. U. of Denmark, DK)
Tony A. Ward (EAEEIE, UK)

General Chair
Okyay Kaynak, Bogazici Univ. TR

IEEE Portugal Section Liaison:
José Carlos Quadrado (ISEP, PT)

Plenary Speakers
Stephanie Farrell, ASEE President-Elect,
(Rowan Univ. US)
Luis Gomes, (Univ. Nova de Lisboa & UNINOVA-CTS, PT)

Technical Program Co-chairs
Robin Braun (UTS, AU)
Anikó Costa, FCT-UNL, PT
Vladimir Trajkovik (SS Cyril and Methodius Univ., MK)

Local Arrangements Chair
João Paulo Barros (IPBeja, PT)

Registration Chair
Yesim Oniz (Bilgi Univ., TR)

Special Sessions Co-chairs
Oliver Bonnaud (Rennes1 Univ., FR)

Publicity Chair
Eftim Zdravevski (SS Cyril and Methodius Univ., MK)

Publication Chair
Yesim Oniz (Bilgi Univ., TR)

Address for Correspondence
Okyay Kaynak, Bogazici University, Bebek, 34342 Istanbul, Turkey
e-mail: okyay.kaynak@boun.edu.tr

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 2018 will continue with the traditional themes of previous events. However, our special theme for this year is a fundamental one. We have previously had MOOCs as our special theme, but now they are just infrastructure. Even “Blended Learning” is what we all do anyway. In a time of the unprecedented access to knowledge through IT, it is time for us to revisit the fundamental purpose of our educational system. It is certainly not about knowledge anymore. It is what makes capable “can do” graduates for modern society. The challenge of education in the technology fields is how students can articulate what they “know” into what they can “can do”. Our special theme for 2018 is how we can create “studio” like experiences for students articulate what they know into what they can do. Please join us.

Location: The organizing committee of ITHET 2018 extends a cordial invitation to you to come to Olhão, a major port, a town of many ‘faces,’ to meet renowned scholars and practitioners not only from the region but also from many different parts of the world.

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

<table>
<thead>
<tr>
<th>Massively Open Online Courses</th>
<th>WWW education tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asynchronous learning</td>
<td>Multimedia tutorials</td>
</tr>
<tr>
<td>Distance learning</td>
<td>Intelligent training technology</td>
</tr>
<tr>
<td>Blended learning</td>
<td>Authoring technology</td>
</tr>
<tr>
<td>Virtual laboratories, classrooms and universities</td>
<td>Second language education</td>
</tr>
<tr>
<td>Game Based Learning</td>
<td>Industry-university partnership</td>
</tr>
<tr>
<td>Creating courses on-line</td>
<td>Learning and Assessment</td>
</tr>
<tr>
<td>Network based education and training</td>
<td>Accreditation issues</td>
</tr>
<tr>
<td>New strategies for higher education and training</td>
<td>Role of information society and global communication systems</td>
</tr>
<tr>
<td>Development and use of IT Tools and Environments</td>
<td>Quality management in higher education</td>
</tr>
</tbody>
</table>

Paper Submission: Prospective participants of ITHET 2018 are encouraged to organize special sessions (5-6 papers) in a particular area within the conference topics. Those interested should contact Oliver Bonnaud at olivier.bonnaud@univ-rennes1.fr for details.

Submission deadlines:
Deadline for electronic submission of one page abstracts: February 25, 2018
Notification of acceptance: March 11, 2018
Submission of full papers: April 7, 2018

Co-located Events: The workshops IEETel 2018 and PRASAE 2018 will be co-located with this conference. More information is available at our website.