EXP.AT'17

4th experiment@
international conference

University of Algarve
Faro, Algarve, Portugal
6-8 Jun, 2017

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Call for Papers for the
exp.at'17 Special Track OEC'17 – "Online Experimentation in Control"

exp.at'17 is the 4th event of the conference series *exp.at'xx*. The conference will be held at University of Algarve (*Campus* de Gambelas, Faro, Algarve, Portugal) on June 6-8, 2017, and it is a joint organization of the University of Porto and the University of Coimbra with the collaboration of the University of Algarve and with the technical support of IEEE and the Portuguese Engineers Association.

Information and communication technologies play a fundamental role in the effort to increase interest of young people in technical education, in their engagement in the field of science, technology, engineering and math (STEM), and, of course, also in the support of online experimentation. Online experimentation comprises remote and virtual experimentation complemented by other online tools based in virtual reality, augmented reality, sensorial devices, live videos, interactive videos and serious games.

OEC'17 aims to create a forum for discussing topics related to online experimentation in control area that can be considered as the special subset of all Internet based experiments, or Internet of Things (IoT). It brings the necessity to consider the experiment in feedback structure to control the system outputs to its required values. Such types of experiments brings specific problems to solve, e.g. cooperation with simulation environments, stability of control algorithms, robustness, experiment visualisation, choice of sampling period, impact of the time delays, measurement noise, etc.

The topics include (but are not limited to):

· Online experiments in control
· Control and machine learning
· Control and computer vision
· Remote control and measurement technologies
· Internet based control education
· Internet of Things in control
· Mobile applications in control
· Interactive control applications

Important Dates

Submission of full papers (4-6 pages)
February 15, 2017

Submission of demos (Demos'17 Session)
February 15, 2017

Notification of acceptance
March 17, 2017

Early Author registration
April 7, 2017
Camera-ready due
April 23, 2017

Pre-conference Activities
June 5, 2017

Conference dates
June 6-8, 2017

Post-conference Activities
June 9, 2017

Conference Language, Review Process and Publications
The official language of the Conference is English. The articles will be under double blind peer review process. Accepted papers will be published in electronic format and will be submitted for acceptance into the IEEE Xplore® paper database. IEEE Xplore® will index accepted papers meeting IEEE requirements of content and format. A number of selected, high-quality, papers will be invited for publication in international journals.

Submission
Articles submitted to *exp.at'17* will follow the EasyChair platform. It is recommended to submit short papers (4-6 pages).

OEC'17 Special Track Chairs
Andreas Pester, Carinthia University of Applied Sciences, Austria

Katarína Žáková, Slovak University of Technology in Bratislava, Slovakia

Mikuláš Huba, Slovak University of Technology in Bratislava, Slovakia

International Program Committee (to be completed)
Alberto Leva, Politecnico di Milano, Italy
Andreja Rojko, ECPE, Germany
Anthony Rossiter, University of Sheffield, UK
Fernando Gomes de Almeida, University of Porto, Portugal
Galina Tabunchik, TU Zaporishe, Ukraine
Gustavo Alves, Polytechnic Institute of Porto, Portugal
Ivan Masár, TTTech Wien, Austria
Juarez Bento da Silva, Federal University of Santa Catarina, Brazil
Karsten Henke, TU Ilmenau, Germany
Luis de la Torre Cubillo, Universidad Nacional de Educación a Distancia, Spain
Marco Casini, Università di Siena, Italy
Sebastián Dormido, Universidad Nacional de Educación a Distancia, Spain
Wolfgang Werth, FH Kärnten, Austria
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