EXP.AT'19

5th experiment@
international conference

University of Madeira
Funchal, Madeira Island, Portugal
12-14 Jun, 2019

Call for Papers for the exp.at'19 Special Track OEEE'19
"Online Experimentation in Science and Engineering Education"

Experiment@International Conference 2019, (*exp.at'19*), http://expat.org.pt/expat19/

exp.at'19 is the 5th event of the conference series *exp.at'xx*. The conference will be held at the University of Madeira (Funchal, Madeira Island, Portugal) on June 12-14, 2019, and it is a joint organization of University of Porto and University of Coimbra with the collaboration of University of Madeira. The conference will feature the technical support of IEEE (IEEE Industrial Electronics Society and IEEE Education Society) and the Portuguese Engineers Association.

OEEE'19, the Special Track "Online Experimentation in Science and Engineering Education" within *exp.at'19*, will focus on pedagogical usage scenarios of online experimentation, i.e. its use and usefulness; how can technology help to solve pedagogical problems in experimental frameworks?

Topics of Interest (all contributions should include some sort of evaluation):

- **Learning Objectives, Activities, and Assessments for Experimental Work**

- **Studies of effectiveness of different kinds of labs**

- **Technological answers to pedagogical questions**

- **Laboratory Experiences in and students' opinions about Remote, Virtual, On-Site, Augmented, and Hybrid Laboratories**

- **Developing Knowledge, Skills and Competencies in Engineering Laboratories**

- **Command of technology as learning objective for preparing students for future challenges**

- **Integrating Novel Modes and pedagogical Topics into Lab Work (e.g. Inverted Classroom, Problem-Based Learning, Employability, Sustainability, Creativity, Responsibility, Social Inclusion, etc.)**

- **Future Capabilities and Constraints of Labs in Engineering Education**

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Important Dates

Submission of full papers (4-6 pages)
February 1, 2019

Notification of acceptance
March 15, 2019

Camera-ready due
April 15, 2019

Early Author registration
April 15, 2019

Pre-conference Activities
June 11, 2019

Conference dates
June 12-14, 2019

Social Activities
June 15, 2019

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 (full papers with 4-6 pages) submitted to *OEEE'19* Special Track will follow the EasyChair platform.

Paper evaluation criteria

- Complies with call for papers

- Clarity of description of the scenario

- Comprehensibility of the pedagogical reflection of choice and use of technology

- Quality of evaluation of pedagogical scenario

- Scientific quality

exp.at'19 General Chairs

Alberto Cardoso
University of Coimbra, PT

Maria Teresa Restivo
University of Porto, PT

OEEE'19 Special Track Chairs

David Boehringer
University of Stuttgart, DE

Diana Urbano
University of Porto, PT

Claudius Terkowsky
TU Dortmund University, DE

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