

CALL FOR PAPERS

Special Session

“Internet of Things in Engineering Education (IoTiEE)”

Goals, best practices, ut college programs, funding programs, chances and risks

@ ICL2017, September 27th – 29th, 2017; Budapest, Hungary

20th International Conference on Interactive Collaborative Learning

46th IGIP International Conference on Engineering Pedagogy

<http://www.icl-conference.org/icl2017>

The Special Session “IoT in Engineering Education 2017 (IoTiEE 2017)” aims to promote the discussion of goals, facets and experiences in the field of “IoT in Engineering Education” at engineering education institutions (colleges, universities,..). Organized by members of IGIP-Austria and Austrian Federal Ministry of Education.

The IoTiEE 2017 session aims to *focus on the exchange of relevant trends and research results* and to discuss the following questions:

- What are the specifics in Internet of Things for the educational systems of engineers?
- Which teaching/learning methods/applications should be applied?
- What are the requirements for Technical Teacher Training?
- Which content should be taught?
- Which kind of role could play project based learning?
- What are the best practice evaluations and outcomes assessments.
- Which experiences can be shared within the IGIP community?
- Which role can and/or should IGIP perform?

Topics of Interest: Contributions regarding

- Educational goals
- Educational contents & approaches
- Ubiquitous learning environments,
- IoT and project based learning
- New learning models and applications
- Pilot projects / Products / Applications
- Best-practice examples
- Challenges for the teacher's role in IoT Education Technical Teacher Training
- Evaluations and outcomes assessments
- National, European & international initiatives and projects
- Funding programs in the fields of IoT for engineers

Types of Contributions:

- Presentation (duration 12 to 15 minutes)
- Workshop (max. duration 20 to 25 minutes)
- Poster Exhibition

Articles submitted to IoTiEE'17 will follow the Conference Submission System:

<https://www.conftool.com/icl-conference/>

Papers will be published in the ICL2017 Proceedings. Details at <http://www.icl-conference.org/icl2017>

Important Dates:

- April 10, 2017: Submission deadline for IoTiEE'17 Special Session structured abstracts
- April 24, 2017: Invitation for complete paper submission
- May 22, 2017: Submission deadline full and short paper
- June 07, 2017: Notification of acceptance
- July 10, 2017: Camera Ready Due and Author Registration
- September 27, 2017: Conference Opening

Contacts - Program

Committee (to be completed)

- Brigitte Koliander:
b.koliander@ph-noe.ac.at
- Gabriele Schachinger:
gschachinger@tgm.ac.at
- Wolfgang Pachatz:
Wolfgang.Pachatz@bmb.gv.at
- Jürgen Jantschgi:
juergen.jantschgi@htl-wolfsberg.at