IMCL2021
"New Realities, Mobile Systems and Applications"

Mediterranean Palace Hotel*, Thessaloniki, 4-5 November 2021
* IMCL2021 is planned as a hybrid event (remote & onsite presentations will be supported)

Special Session Call for Papers

University – Industry – Developer "Creative collaborations" In IoT, Mobile and Reconfigurable Technologies (IoT-MRT)

Overview

"Creative Collaboration" between University/Industry must be reflected in scientific conferences as well. Consequently, like in the last normal sessions within IMCL and ICL Conferences, industry partners might be invited to have 1-2 technical talks. These talks will open new opportunities and push the research and development at all University levels. The primary objectives for companies to collaborate with universities include research synergies, keeping up with major technological developments and R&D cost sharing.

Fast development of new IoT technologies (Industrial IoT "IIoT", Medical IoT "MIoT") require new engineering skills, pushing universities towards developing and improving their systems and tools used in assisting courses and university laboratories goals. At these points the organizers believe that Virtual Instrumentation "VI" and Reconfigurable Systems "RS" can find a suitable place.

The idea of flexible hardware development was permanently in the attention of industry and university Creativity Laboratories and now, with the decrease in prices of MCU's, processors and development kits , flexible hardware remain the main strategy used in adding new technologies and/or new software in the knowledge and expertise development of all students and young engineer's.

The graphical programming LabVIEW (Laboratory Virtual Instrumentation Engineering Workbench) offer a fast development solution and allows students to understand the functionality of the hardware and thus to be able to come with different creative ideas about how the final user interface will look like and what kind of hardware to be used. The main goal of the software is to be as intuitive as possible, allowing the user to choose and develop fast required new devices.

Topics

Authors are invited to submit complete papers for the SMS-IUD Special Session (no abstracts needed). The topics cover all aspects of IoT Smart Materials and Systems, including but not limited to the following:

- IoT, IIoT and medical IoT systems
- Cloud Instrumentations
- Creative solutions in Education
- IoT Network, Services and Security
- Industry – University Collaborations
- Smart Homes and Systems (Illumination control, Automation, Monitoring, etc.)
- Reconfigurable systems
- New Li-Fi solutions, etc.
- Creative collaboration in Electronic education
- New Test and Instrumentations methods

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Contribution Types

Papers for the Special Session should have between 8 and 10 pages.

All submissions will be peer-reviewed by at least two reviewers. Accepted papers will be included in the conference proceedings if at least one author pays the registration fee AND the paper is presented. The conference proceedings will be published as IMCL2021 Proceedings in the Springer series "Advances in Intelligent Systems and Computing".

For further questions, please contact the track chair(s).

Presentation Types

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Important Dates

10 Jul 2021   Submission of complete papers for special sessions
26 Jul 2021   Notification of acceptance
06 Sep 2021   Camera-ready due & author registration deadline
04 Nov 2021   IMCL2021 Conference Opening

Submission

Please visit: https://www.conftool.org/imcl-conference and submit your paper by selecting the respective special session.

Program Committee

Chair(s)

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