

# 2017 4<sup>th</sup> International Conference on Electrical Engineering Computer Science and Informatics (EECSI 2017) 19-21 September 2017, Yogyakarta, Indonesia

## Special Session on FPGAs in Industrial Informatics Applications

The aim of this special section is to disseminate articles which present studies for industrial informatics applications based on Field Programmable Gate Array (FPGA). As well-known, exploiting FPGAs intrinsic parallelism enabling the design of fast architectures and accommodating software algorithms, lead to efficient system-on-chip solutions. Interested authors are strongly encouraged to provide adequate description of the methodological findings and practical results of their works.

### Special session organizers:

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### Technical outline of the session and topics:

The topics covered: Formal methods and tools for FPGA design (included model-based development, code generation, and design automation tools); Hardware-software co-design techniques; Architectures for application systems based on FPGAs; Efficient design methodologies (dedicated libraries, reusable IP, co-simulation, development kits or design packages) using FPGAs; and FPGA hardware implementations (signal and image processing, encryption methods, motor controls, computational Intelligence, robotics, etc)

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