Special Session
Power Aware Modelling and Design

The FDL 2015 Session on Power Aware Modelling and Design is intended to present and discuss new approaches to achieve power aware design of systems and architectures. In particular, the session will pay close attention to power modelling, due to its central role in providing awareness at design time. Apart from the proposal of low power architectures and power management methods, the session is also interested in optimizing their use and assessing the potential consequences. Therefore, contributions focused on power integrity or in high level energy optimization are also welcome. Finally, not only power consumption needs to be considered, but also power supplies, such as, in particular, batteries and energy-harvesters. The purpose of the special session is to discuss new approaches to power aware modelling and design and to collect the corresponding feedback from the scientific and industrial community. The topics include, but are not restricted to:

Topics include (but not limited to)
- Energy/Power Aware Design
- Power Models and Simulation
- Ultra-low Power Design
- Wireless Sensor Networks
- Power Integrity
- Energy-Harvesting
- Power Estimation
- Power Management
- Battery Models
- Energy Aware Communication

Important Deadlines:
Full Research Paper submission: May 18, 2015 (extended)
Other Contributions submission: June 10, 2015
Notification of acceptance: July 4, 2015
Camera ready papers: August 12, 2015

Submissions:
Authors should submit papers in double column, IEEE format as PDF through the submission system. Full Research Papers shall not exceed 6-8 pages. Other Contributions like work in progress, wild & crazy ideas, demo night abstracts, or user experiences shall not exceed 2-4 pages. Submitted papers should be anonymous, are required to describe original unpublished work, and must not be under consideration for publication elsewhere. When submitting the paper, please indicate the addressed Special Session.

Publications:
The conference proceedings will be published in electronic form with an ISSN and ISBN number and made available on the ECSI website and submitted for inclusion in IEEE Xplore. In addition, an edited collection of extended versions of selected best papers will be published as a book by Springer. Accepted papers must be presented by one of the authors. Registration of the presenting author is required prior to the camera ready papers deadline.

Special Session Organizer:
Javier Moreno Molina | moreno@cs.uni-kl.de | Technische Universität Kaiserslautern

Contacts:
fdl@ecsi.org | www.ecsi.org/fdl