ETFA'2012
17th IEEE International Conference on
Emerging Technologies & Factory Automation
17-21 September 2012, Kraków, Poland



Author's Schedule

Deadline for submission of regular papers: *June 25th, 2012*

Notification of acceptance of regular papers: *July 8th, 2012*

Final submission of regular paper manuscripts: *July 15th, 2012*

Workshop day: *September 21st, 2012*

Sponsored by: *AGH University of Science and Technology at Kraków, and IEEE Industrial Electronics Society*

# Call for Papers

## 7th International Workshop on Service Oriented Architectures in Converging Networked Environments (SOCNE) in conjunction with ETFA 2012

Krakow, Poland, September 21st, 2012

**Aim and topics**

Smart and reliable service interoperability and composition across heterogeneous platforms and networking environments build the foundation for added-value services. Their key requirement is seamless, well-defined and potentially cross-sectorial interoperability among stakeholders on application-, service- and device level. Interoperability has become a competitive factor for many industrial branches such as automotive, aerospace, energy, healthcare or factory and building automation. At the same time it serves as an application enabler for cross-domain business as envisioned e.g. for electro mobility, smart grid or even cooperative engineering.
This workshop encourages communication and exchange of ideas between industrial and academic researchers and developers in the field of preferably embedded middleware, service-oriented architectures and heterogeneous networked environments. It follows the whole path from system engineering over system implementation to system testing and leverages the discussion about industrial practices and future trends.
From this perspective, the workshop is focused on (but not restricted to) the following subjects:

**Architectures and design principals**
- Platforms, frameworks and tools support
- Creation, deployment, life cycle management
- System security
- Verification, validation and test
- Functional safety
- Semantic web services & web services ontology
- Real-time SOA

**Industrial Track**
- Service platforms for cyber-physical systems
- Service platforms for electro mobility and multimodality
- Service platforms for smart car, smart traffic and smart grid
- Service platforms for energy management and energy metering
- Service platforms for healthcare systems and ambient assisted living
- Service platforms for process, factory and building automation
- Enterprise architecture integration and product lifecycle management
- SOA in industrial environments

**Networked embedded systems and LowPANs**
- Technologies for interworking smart objects
- Embedded web services
- SOA for/on/in devices and embedded systems
- Device centric SOAs and RESTful applications
- Real-time embedded networked applications and systems
- Web services and middleware for networked embedded systems
- Resource constrained and low power lossy networks
- Scalability, reliability, safety and security aspects
- Lightweight security suites for the Internet of Things
- SOA in the internet and the Internet of Things
- Sensor clouds
- Web of Things, Web of Objects

**Service Computing**
- Infrastructure as a service (Iaas)
- Platform as a service (Paas)
- Software as a service (Saas)
- High Performance Computing as a service
- Cloud Services

**Submission of papers:** The working language of the workshop is English. Papers are limited to 6 double column pages in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site.

**Paper Acceptance:** Each accepted paper must be presented at the workshop by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. Accepted SOCNE-papers will be included in the ETFA 2012 proceedings and distribution after the conference at IEEE Xplore.

**No-show Policy:** The ETFA 2012 Organizing Committee reserves the right to exclude a paper from distribution after the conference at IEEE Xplore if the paper is not presented at the conference.

**ETFA 2012 Conference Secretariat**: contact@etfa2012.org | **SOCNE 2012** socnepc@gmail.com
**Conference website**: http://www.etfa2012.org | **Workshop website** http://www.socne.org

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