

SOCNE 2010

The IEEE
International Workshop
on SOAs in Converging
Networked Environments



5th International IEEE SOCNE Workshop on

Service Oriented Architectures in
Converging Networked Environments

April 20-23, Perth, Australia
in conjunction with

The IEEE 24th International Conference on
Advanced Information Networking and Applications
AINA 2010

Call for Papers

Motivation and Objectives

Smart and reliable service interoperability and composition across heterogeneous platforms and networking environments build the foundation for added-value services has become a competitive factor for many industrial branches. OEMs and suppliers from various application domains such as **automotive, avionics, home, tele-medicine or factory automation** provide added-value services.

This IEEE **workshop** encourages communication and exchange of ideas between industrial and academic researchers and developers in the field of middleware and service-oriented architectures, programming paradigms, design, and engineering, especially for heterogeneous industrial environments. Important knowledge about **future emerging directions for middleware, network infrastructures, factory communication systems, and self-organizing software/service architectures** can be gained.

From this perspective, the workshop will address the following tracks:

Track 1: Service Oriented Architectures

- Service platforms & frameworks
- Service support, configuration & management
- Service creation, deployment, life cycle management
- Service validation and testing
- Semantic web services & web service ontology
- Tool support for SOAs
- Web-oriented architectures
- Model-driven development
- SOA and beyond: Next trends in service-orientation

Track 2: Cloud Computing

- Software as a service (SaaS)
- Platform as a service (PaaS)
- Infrastructure as a service (IaaS)
- Highly scalable and reliable service delivery
- Security & Trustworthiness in cloud computing

Track 4: SOA and embedded Systems

- Service infrastructures for real-time embedded networked applications and systems
- SOA for /on/ in devices and embedded systems
- Web services & middleware for embedded environments
- Event-driven SOAs & device-centric SOAs
- Service-oriented device architectures (SODA)
- SOA in the internet and the internet-of-things
- Web-oriented architectures (WOA)
- Sensor clouds

Track 5: Industrial Applications & Best Practices

- SOA in industrial environments & products
- New opportunities emerging from SOAs
- Case Studies
- Enterprise application integration (EAI)

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<http://www.socne.org>

Track 3: Quality of Service

- QoS for middleware and web services
- Cross-Layer QoS management & mediation
- QoS negotiation, allocation & adaptation

Track 6: SoA in eHealth environments

- Integration of IT systems in Healthcare
- Cross-enterprise communication of health data
- Personal health systems and ambient assisted living (AAL)
- SOA to realize pervasive health

Important Dates

Full Paper Submission
Notification of acceptance:
Author registration:
Final Manuscript due:

December 15th, 2009
December 22nd, 2009
January 15th, 2009
January 15th, 2009

Authors are invited to electronically submit a full paper (MS Word or PDF format) of their original work following the IEEE instructions. Each paper will be peer reviewed by three reviewers. The best paper will receive a best-paper award. The manuscript should follow IEEE two-column format with single-spaced, ten-point font in the text. The paper size is limited to 6 pages (double column). Please refer to the SOCNE 2010 webpage for submission and paper formatting instructions. For further information please mailto [socnepc\(at\)gmail.com](mailto:socnepc(at)gmail.com)

Workshop Chairs

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Lucia Lo Bello, University of Catania, Italy
Michael Ditze, TWT Science & Innovation, Germany

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