

Call for Papers: SAGRA 2015

Sustainable Architecture: Global collaboration, Requirements, Analysis

to be held in conjunction with 9th European Conference on Software Architecture (ECSA)

Workshop Theme & Goals:

The goal of the SAGRA workshop is to develop a future vision and roadmap of sustainable software architecture, focusing especially on requirements engineering and methodological analysis, as well as on collaborative and intercultural aspects. The workshop aims to bring together researchers, engineers and practitioners from academia and industry to baseline the state of the art in this increasingly important domain.

The term sustainability is derived from the Latin word *sustinere* (*sus*: up; *tinere*: to hold) and is often used solely in the environmental sense. The scope of the SAGRA does not exclude this interpretation, but the main focus is on another usage of this term: cost-effective longevity and endurance. By the sustainability of software architecture we mainly mean the adherence to design principles (such that modularity, hierarchy, abstraction, separation of concerns, information hiding, etc.) along with its entire lifecycle.

Areas of interest include but are not limited to:

- Collaborative modelling and analysis of sustainable software architecture
- Architecture-based sustainability of large-scale global systems
- Big data management in global collaborative software architectures
- Economic and cultural aspects of sustainable architectures
- Requirement traceability, change and quality-of-service in evolving, dynamic and ad hoc sustainable architectures
- Confidentiality in global systems architecting across supply chain boundaries

We are also interested in the presentation and discussion of tools, case studies and industrial experiments in the related areas.

Important Dates:

Paper submission: **8 June, 2015**

Notification: 19 June, 2015

Workshop: 8 September, 2015 (Dubrovnik, Croatia)

Workshop Organizers/Chairs:

Heinz Schmidt, RMIT University, Australia
Maria Spichkova, RMIT University, Australia
Catia Trubiani, Gran Sasso Science Institute, Italy

Webpage: <http://sagra2015.wordpress.com>

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Paper Submission:

All accepted papers will be published by **ACM Digital Library**. Papers should be written using **the ACM Formatting Guidelines**. PDF versions of papers should be submitted through EasyChair submission system. We invite submissions in three categories:

- *position and vision papers*: describing ongoing research, emerging results and future ideas&trends (short papers, 3-4 pages)
- *research papers* reporting innovative and original research in the field (full papers, 6-7 pages),
- *industrial papers* describing industrial challenges, experience and case studies (can be submitted as short or full papers, up to 7 pages).

All papers submitted to the workshop must be unpublished original work and should not be under review or submitted elsewhere while being under consideration. Submitted papers will be reviewed by 3 members of Program/Organizing Committee or their sub-reviewers, and selection of accepted papers will be based on relevance, quality and originality of the submitted papers. If you submit a paper and it gets accepted, at least one of the (co)author(s) is expected to be present at the workshop to present the paper.

Program committee:

Aldeida Aleti, Monash University, Australia
Jan Blech, RMIT University, Australia
Dimitrios Georgakopoulos, RMIT University, Australia
Thomas Goldschmidt, ABB, Germany
Lalchandani Jayprakash, IIT Bangalore, India
Lucia Happe (Kapova), KIT, Germany
Peter Herrmann, NTNU Trondheim, Norway
Marco Kuhrmann, Syddansk Universitet, Denmark
Patricia Lago, VU Univ. Amsterdam, the Netherlands
Huai Liu, RMIT University, Australia
Birgit Penzenstadler, CSULB, USA
Sri Ramaswamy, ABB, USA
Daniel Ratiu, Siemens AG, Germany
Bernhard Rumpe, RWTH Aachen, Germany
Bernhard Schätz, fortiss GmbH, Germany
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