



York, UK
September 8th
SCART 2015

Workshop Chairs

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- Marco Autili, University of L'Aquila, Italy

Publicity Chair

- Alexander Perucci, University of L'Aquila, Italy

List of topics (although not limited to)

- Specification, architecture, and design of software composition models
- Software quality assurance for software composition
- Verification and testing of software integration code
- Adaptive software composition
- Formal methods for automated software composition
- Service-oriented and Component-based software composition
- Non-functional properties of software composition
- Automated software composition and coordination
- Correct-by-construction software composition
- Automated synthesis of software integration code
- Model-driven software composition
- Compositional theories for software composition
- Patterns and frameworks for software composition engineering
- Tools and methods for software composition engineering
- Industrial experience in software composition
- Empirical studies in software composition

Call for Papers

Paper submissions: **June 07, 2015**

Notification of authors: **June 24, 2015**

Camera-ready copies: **July 05, 2015**

SCART 2015 provides the opportunity for discussing how the FI affects the traditional SE methods and tools, and how facing its complexity in terms of scalability, heterogeneity, and dinamicity promotes the integration of FM within SE practices. We seek answers on how the rigorousness of FM assists software engineers while designing, developing, validating and operating software systems for the FI, which are build via correct-by-construction service composition. The workshop constitutes a forum for scientists and engineers in academia and industry to present and discuss their latest research and development.

SCART 2015 welcomes research papers, experience papers and tool presentations; nevertheless, papers describing novel research contributions and innovative applications are of particular interest. Details on workshop goals and themes can be found at:

<http://scart2015.disim.univaq.it>

Workshop papers must follow the SEFM 2015 Format and Submission Guidelines:

<http://www.cs.york.ac.uk/sefm2015/>

Each submitted paper will undergo a formal peer review process by at least 3 PC members. Contributions can be:

Regular papers (from 8 to 12 pages): In this category fall those contributions which propose novel research contributions, address challenging problems with innovative ideas, or offer practical contributions in the application of FM and SE approaches for building FI applications via software composition. Regular papers should clearly describe the situation or problem tackled, the relevant state of the art, the position or solution suggested and the potential benefits of the contribution.

Short papers (from 4 to 8 pages): This category includes tool demonstrations, position papers, industrial experiences and case-studies, and visionary papers. Authors of papers reporting industrial experiences are encouraged to make their experimental results available for use by reviewers. Similarly, authors of tool demonstration papers should make their tool available for use by reviewers.

