

Message from the Chairs of the LASSY 2016 workshop

Welcome to the first edition of the **LASSY** workshop on **Live Adaptation of Software Systems**, taking place on March 14, 2016 in Malaga (Spain), collocated with the 15th International Conference on Modularity (Modularity 2016, formerly known as AOSD). The main objective of this workshop is to provide a space for discussion and collaboration of researchers working on the problem of *live software adaptation* from different research perspectives.

The scope of LASSY covers topics relevant to dynamic adaptation and evolution of software systems, ranging from a computer science perspective covering the domains of programming languages, requirements engineering, software and service composition, context-aware databases, user interface adaptation and other domains, to a human perspective covering sociological or ethical implications of dynamic software systems. The workshop invited submissions of either new or visionary work in any of these perspectives individually, or focusing on cross-fertilization between several perspectives.

An explicit goal of the workshop is to confront the different perspectives and to understand how they can learn from each other or how they need to be combined to provide a more comprehensive solution to the problem of live software adaptation. Therefore, contributions to the workshop were suggested to include, in addition to a detailed discussion of their proposed approach (for example by defining the representations, mechanisms, or adaptation strategies underlying that approach), a discussion of how the proposed approach on dynamic software adaptation could influence or be influenced by other approaches and perspectives. The workshop was also open to accepting more tool-oriented submissions focusing on live adaptation solutions.

The workshop solicited contributions on, but not restricted to, the following topics:

- Context-aware data management
- Context-, aspect-, feature- or agent-oriented programming
- Context representation and discovery
- Dynamic software architecture and middleware approaches
- Dynamic software and service composition mechanisms
- Dynamic software variability and dynamic product lines
- Dynamic software upgrades
- Human, sociological, ethical and legal aspects of dynamic software adaptation
- Inconsistency management
- User interface adaptation and multimodal user interfaces
- Privacy and security aspects of dynamic adaptation
- Self-adaptive and self-* systems

Within this range of topics, LASSY invited high-quality submissions of max. 6 pages in length, reporting on original research describing innovative contributions, case studies involving dynamic adaptation, convergence of dynamic adaptation techniques or between different research angles. Papers that departed significantly from established ideas and practices were particularly welcomed.

Submissions could not have been published previously and nor be under review for any other refereed event or publication. All submissions were evaluated based on their originality, relevance, technical quality and presentation. To be accepted contributions had to comply with the scope of the workshop and have a minimum level of quality.

For the reviewing process, we could rely on a very strong program committee consisting of no less than 18 experts in areas related to live software adaptation. We used the EasyChair conference management system to assign 3 to 4 reviewers to each paper while avoiding conflicts of interest. Out of the 9 initially submitted abstracts, 7 submitted a full paper, which they were invited to present at the workshop. Three of these papers underwent an additional short shepherding process to guarantee sufficient quality of the paper for publication in the workshop proceedings.

The workshop is structured in four separate sessions. Since we wanted a workshop that is as “lively” as its theme, we provide ample time for discussions, and solicited the participants for possible discussion topics before the workshop. Each of the first three sessions is divided in two parts: two or three short presentations, followed by (on average) an hour of discussions. The last session in the afternoon is entirely devoted to open discussions and work in breakout groups.

Finally, I would like to thank explicitly everyone who helped to make this workshop a success, and in particular the workshop participants, our program committee, the workshop program co-chairs, EasyChair, the Modularity 2016 workshop chairs, organizing committee and steering committee together with their helpers, and everyone else who helped making publicity for this workshop or contributed to it in any other way. Hopefully this will be the first of a long series of successful workshops on Live Adaptation of Software Systems.

Have a nice workshop!

Kim Mens, on behalf of the LASSY 2016 program (co-)chairs.

LASSY 2016 Organization

Organizing Committee

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