Message from the SASO 2017 Program Committee Chairs

We are delighted to present to you the proceedings of the eleventh edition of SASO, the IEEE International Conference on Self-Adaptive and Self-Organizing Systems.

SASO's role as a venue that bridges conceptual and applied research in the areas of self-adaptive and self-organizing systems was once again reflected in the main technical programme. Papers on the fundamentals of self-organization and self-adaptation were complemented by those on the topics of sensor networks, peer-to-peer systems, and resource management. The role of organisations and institutions also continued to provide a strong theme for the conference.

This year, we received 76 abstract submissions, of which 52 were followed by full papers. This number of submissions was in line with the previous editions of SASO (65 in 2016, 47 in 2015, 61 in 2014). After an extensive review process, 14 full papers were accepted, corresponding to an acceptance rate of about 28%. This is also in line with previous editions, and together these figures consolidate SASO as the premier venue for the dissemination of research in this area, and re-emphasize the high level of quality associated with SASO publications. This year’s submissions came from a rich mix of authors from both academia and industry, across over 30 different countries and 4 continents. The final 15 papers include authors from 11 different countries.

The accepted papers were presented in five sessions, each characterized by a theme. The first session was about Networks and included papers on applications that run on networks, including distributed sensing and search. The second session was related to Organizations and Institutions, in which papers explored aspects of adaptive and self-governing organizations. Resource and Network Management was the theme of the third session, in which new techniques for the management and self-adaptation of computational resources and structures were presented. The fourth and fifth sessions contained a range of presentations concerned with the Fundamentals of Self-Organization and Self-Adaptation, respectively. These papers explored key issues and uses of self-organization and self-adaptation, in both abstract and applied settings.

The Program Committee was composed of 47 international experts, supported by 30 subreviewers in different fields of self-adaptive and self-organizing systems. We thank them all for their valuable work, not only in reviewing papers, but also in discussing and helping us in the selection of papers to be accepted.

As in the three previous editions, this year SASO was part of a federation of conferences called FAS* - Foundations and Applications of Self* Computing Conferences, including the International Conference on Cloud and Autonomic Computing. All of the FAS* events were hosted at the University of Arizona and the SASO program included invited talks shared with FAS*. As part of this, in addition to the main technical track, the conference programme also included a poster and demo session, and a number of workshops; submissions for which were reviewed by separate program committees. Papers submitted to SASO that were not accepted but considered to be interesting preliminary work were recommended for consideration at the poster session or workshops affiliated with SASO.

Finally, as the PC Chairs we would like to express our thanks to everyone who contributed to the organisation of SASO 2017. We thank the Steering Committee and the PC chairs of previous SASO editions for their help, support, and feedback. We also thank the people who worked with us on creating a great program, in particular, Ada Diaconescu for her valuable general organization and leadership, Lukas Esterle for the collaboration with the Poster and Demo session, Jean Botev for organizing the Doctoral Symposium, a great venue for young researchers, Jeremy Pitt and Christopher Frantz for the workshop management, Sven Tomforde for the publication process, Markus Esch for the publicity, and Alexander Schiendorfer for managing the conference web site.

Peter Lewis, School of Engineering and Applied Science, Aston University, UK
Sam Malek, University of California Irvine, CA, USA
Hella Seebach, Institute for Software & Systems Engineering, University of Augsburg, DE

SASO 2017 Program Committee Chairs