Welcome Message from Workshops Chair

The GI/ITG International Conference on Architecture of Computing Systems (ARCS) looks back at more than 30 years of tradition in reporting high quality results in computer architecture as well as operating systems research.

ARCS has become an important forum for research in these areas and has a long tradition of hosting associated workshops complementing the programme of the conference with specific topics extending the technical scope of the conference. This year, ARCS 2019 was organised at Technical University of Denmark, Copenhagen, Denmark, from May 20 to May 23, 2019.

This year, the following workshops were held within ARCS:

- 15th Workshop on *Dependability and Fault Tolerance* (VERFE'19)

- 7th International Workshop on *Self-optimisation in Organic and Autonomic Computing Systems* (SAOS'19)

- 4th Workshop of the *Multi-Core Safe and Software-intensive Systems Improvement Community* (FORMUS^{3}IC).

In addition to invited talks all workshops comprised presentations of papers selected through a thorough peer reviewing process on submitted papers. These proceedings consist of all papers selected by the workshop organisers and programme committees.

I would like to thank the general and programme chairs of ARCS 2019, Martin Schöberl, Christian Hochberger, Sascha Uhrig, and Jürgen Brehm, for their valuable help and support on the organisation of the workshops and the conference. A special thanks goes to Thilo Pionteck, publication chair of ARCS 2019, for helping in generating the proceedings, and to VDE/IEEE for publishing them. Last but not least, I would like to thank all workshop organisers, committee members, authors, reviewers and attendees.

Enjoy reading the papers – I am confident that they will contribute to new research ideas and results. Finally, a big thank you goes to all of you for being part of the ARCS community, and we are looking forward to welcoming you in the future as an author and as a workshop or tutorial organiser!

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(ARCS 2019 Workshop Chair)