

Preface

This volume contains the proceedings of DAIS 2017, the 17th IFIP International Conference on Distributed Applications and Interoperable Systems, sponsored by the IFIP (International Federation for Information Processing) and organized by the IFIP Working Group 6.1.

DAIS was held during June 19–22, 2017, in Neuchatel, Switzerland, as part of DisCoTec, the 12th International Federated Conference on Distributed Computing Techniques, together with FORTE (the 37th IFIP International Conference on Formal Techniques for Distributed Objects, Components and Systems) and COORDINATION (the 19th IFIP International Conference on Coordination Models and Languages). There were 23 submissions for DAIS. Each submission was reviewed by at least three, and on average 3.7, Program Committee members. The committee decided to accept 11 full papers, two practical experience reports, and two short papers.

The accepted papers represent a compelling sample of the state of the art in the area of distributed applications, services, and systems. There was great emphasis on data storage and security this year. The proceedings include contributions on optimizing distributed applications and systems (SQL streaming processing, and P2P) as well as novel techniques to store data (data deduplication, block placement, and executable choreographies). The focus of the security area ranges from practical evaluation of cryptographic schemes, specialized hardware like Intel SGX, to emerging blockchain access control. In the area of distributed services, there are contributions on building collaborative services and packaging micro-services are included, and the techniques to process distributed graph.

The conference was made possible by the work and cooperation of many people working in several committees and organizations that are listed in these proceedings. In particular, we thank the Program Committee members for their commitment and thorough reviews and for their active participation in the discussion phase, and all the external reviewers for their help in evaluating submissions. We would also like to thank Maco Vukolic, our invited keynote speaker. Finally, we also thank the DisCoTec general chair, Pascal Felber, organization chair, Valerio Schiavoni, and the DAIS Steering Committee chair, Rui Oliveira, for their constant availability, support, and guidance.

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