

Preface

This volume of LNCS contains the proceedings of the 14th European Performance Engineering Workshop, held in Berlin, Germany, September 7–8, 2017. EPEW was part of the week-long umbrella conference QONFEST, which co-located QEST, CONCUR, FORMATS, and EPEW, along with several workshops. This gave researchers the opportunity to explore and engage with a broad range of topics and colleagues across the space of performance, dependability, and security modelling, verification, evaluation, and engineering. We wish to express our gratitude for the support QONFEST received from the Freie Universität Berlin, the Technische Universität Berlin, the Ernst-Reuter-Gesellschaft, the DFG, and the Max-Planck-Gesellschaft.

The goal of the annual EPEW workshop series is to gather academic and industrial researchers working on all aspects of performance engineering. The papers presented at the workshop reflect the diversity of modern performance engineering, with topics ranging from the analysis of hybrid Petri nets and Markov decision processes, even under uncertainty; to performance, security and energy analysis of computer systems and networks; to machine-learning techniques for predictive analysis and testing. The domains of the application studies are diverse and at the cutting edge of current developments, ranging from cloud computing environments to cyber-physical systems and to communication protocols.

EPEW 2017 received submissions from 14 countries all over the world. There were 30 submissions. Each paper was peer reviewed by an average of four reviewers from the Program Committee (PC) on the basis of its relevance, novelty, and technical quality. After the collection of reviews, the PC members discussed the quality of the submissions for one week before getting the final decision. Based on the reviews and discussions, 18 high-quality contributions were selected for publication in the proceedings and presentation at the workshop.

This year, we were honored to have two keynote speakers: Prof. William Knottenbelt, from Imperial College London (UK), who works in applied quantitative analysis; and Antonino Sabetta, a senior researcher at the Security Research department of SAP Research (Sophie Antipolis, France), who works in the analysis and management of vulnerabilities of open-source components when embedded in large-scale enterprise applications.

We thank our keynote speakers, as well as all PC members and external reviewers for their terrific work in the review process. We also express our thanks to the Organizing Committee, especially to the two General Chairs, Uwe Nestmann (TU Berlin) and Katinka Wolter (FU Berlin) for their continuous and valuable help, the EasyChair team for their conference system, and Springer for their continued editorial support.

Above all, we would like to thank the authors of the papers for their contribution to this volume. We are sure that these contributions will be as useful and inspiring to the readers as they were to us.

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