

The 10th advanced summer school on service-oriented computing

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Wolfgang Reisig¹

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The 10th Advanced Summer School on Service Oriented Computing (SummerSOC'16) continued a successful series of summer schools that started in 2007, regularly attracting world-class experts in Service Oriented Computing to present state-of-the-art research during a week-long program organized in several thematic tracks: patterns, formal methods for SOC, computing in the clouds, data science, e-health and emerging topics. The advanced summer school is regularly attended by top researchers from academia and practitioners from industry as well as by graduate students from programs with international acclaim.

During the morning sessions at SummerSOC renowned researchers gave invited tutorials on subjects from the themes mentioned above. The afternoon sessions were dedicated to presentations of original research contributions in these areas: accepted contributions were submitted in advance and

have been peer-reviewed. In addition, the contributions had been extensively discussed during a poster session. The feedback of this discussion too has been folded into the version published in this special issue.

The first set of articles discuss issues from cloud computing and service development like detecting patterns for cloud deployment, discovering cloud offerings, gathering of DevOps solutions, provisioning of data mashups, as well as microservices. The next two articles are devoted to digital humanities, presenting an approach to apply mining technologies to discover (costume) patterns, and an overall method to discover patterns in musicology. The final batch of articles discuss how to use situation models, how to use utility functions in transportation systems, and to properly select NoSQL database systems.

✉ Wolfgang Reisig
reisig@informatik.hu-berlin.de

¹ Institut für Informatik, Humboldt-Universität zu Berlin, Unter den Linden 6, 10099 Berlin, Germany