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Software Reuse for Dynamic Systems in the Cloud and Beyond

14th International Conference on Software Reuse, ICSR 2015
Miami, FL, USA, January 4-6, 2015
Proceedings



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Preface

The 14th International Conference on Software Reuse took place in Miami, Florida, USA, during January 4–6, and was hosted by the University of Miami. ICSR is the premier event in the field of software reuse research and technology. The main goal of ICSR is to present the most recent advances and breakthroughs in the area of software reuse and to promote an intensive and continuous exchange among researchers and practitioners.

The specific theme of the 2015 conference was “Reuse for Dynamic Systems in the Cloud and Beyond.” Software applications are allowing desktop computers and single servers to become more “mobile” and pervasive as required, for example, for the Internet of Things and the cloud. This phenomenon increases the demand for practical software reuse and generative approaches that avoid “re-inventing the wheel” on different platforms over and over again. In this context, non-functional aspects (such as performance and data security) are of special importance to guarantee a satisfying experience for users of cloud-based and other distributed systems.

Responding to the call for papers that was centered around the conference theme, 60 papers were submitted by authors all around the world. All papers went through a thorough review process, examined by three reviewers, all members of the Program Committee. In several cases, a discussion followed the reviews to consolidate the review results, steered by the Program Chairs. As a result, 24 high-quality papers were selected, of which 21 were full and three were short papers, with an acceptance ratio of 40%.

The accepted papers cover several software engineering areas where software reuse is important, such as software product lines, domain analysis, open source, components, cloud, quality. Both empirical and theoretical research works were presented during the event. Overall, ICSR 2015 provided an overview of the recent developments in software reuse to interested researchers and practitioners. The program chairs wish to thank all authors for their contribution to a successful conference. Special thanks go to Oliver Hummel, Conference Chair, and all members of ICSR 2015 committees for their invaluable support.

November 2014

Ina Schaefer
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