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VECoS'2015

Verification and Evaluation of Computer and Communication Systems

9th International Workshop

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Proceedings

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PREFACE

These are the proceedings of the 9th International Workshop on Verification and Evaluation of Computer and Communication Systems (VECoS'2015) held the 10th and 11th of September 2015 at the University POLITEHNICA of Bucharest that is the main organizer together with the support of MeFoSyLoMa group and Formal Methods Europe.

The International Workshop on Verification and Evaluation of Computer and Communication Systems (VECoS) was created by an Euro-Maghrebian network of researchers in computer science. Its first edition, VECoS 2007, took place in Algiers, VECoS 2008 in Leeds, VECoS 2009 in Rabat, VECoS 2010 in Paris, and VECoS 2011 in Tunis, VECoS 2012 in Paris, VECoS 2013 in Florence and VECoS 2014 in Bejaia. The aim of the VECoS workshop is to bring together researchers and practitioners, in the areas of verification, control, performance, quality of service, dependability evaluation and assessment, in order to discuss the state-of-the-art and the challenges in modern computer and communication systems in which functional and extra-functional properties are strongly interrelated. Thus, the main motivation for VECoS is to encourage the cross-fertilization between the various formal verification and evaluation approaches, methods and techniques, and especially those developed for concurrent and distributed hardware/software systems. Beyond its technical and scientific goals, another main purpose of VECoS is to promote collaboration between participants in research and education in the area of computer science and engineering. We welcome contributions describing original research, practical experience reports and tool descriptions/demonstrations in the areas of verification, control, performance, quality of service and dependability evaluation.

The invited speakers for VECoS 2015 are: **Liliana CUCU-GROSJEAN** from AOSTE, INRIA Paris-Rocquencourt, France, **Gabriel CIOBANU** from Romanian Academy, ICS, Iasi, Romania and **Mohamed KAÂNICHE** from LAAS, Toulouse, France.

We received 15 high-quality contributions. For each paper three to five reviews were made. The program committee has accepted 9 papers for full presentation.

Without support of our academic and corporate sponsors, the enormous efforts of authors, reviewers, steering committee and the local organizational team this workshop wouldn't provide such an interesting booklet.

We thank the authors for their submissions and the program committee for their hard work.

September 2015 Belgacem BEN HEDIA and Florin Popentiu VLADICESCU

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