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Mohammed Reza Mousavi · Christian Berger (Eds.)

Cyber Physical Systems. Design, Modeling, and Evaluation

5th International Workshop, CyPhy 2015
Amsterdam, The Netherlands, October 8, 2015
Proceedings

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ISSN 0302-9743

ISSN 1611-3349 (electronic)

Lecture Notes in Computer Science

ISBN 978-3-319-25140-0

ISBN 978-3-319-25141-7 (eBook)

DOI 10.1007/978-3-319-25141-7

Library of Congress Control Number: 2015950886

LNCS Sublibrary: SL3 – Information Systems and Applications, incl. Internet/Web, and HCI

Springer Cham Heidelberg New York Dordrecht London

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Printed on acid-free paper

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Preface

It is with great pleasure that we present the proceedings of the 5th Workshop on Design, Modeling and Evaluation of Cyber Physical Systems (CyPhy 2015). The workshop was organized as part of ESWeek 2015 in Amsterdam, The Netherlands.

Cyber physical systems combine computing and networking power with physical components. They enable innovation in a wide range of domains including robotics; smart homes, vehicles, and buildings; medical implants; and future-generation sensor networks. CyPhy 2015 brought together researchers and practitioners working on modeling, simulation, and evaluation of CPS, based on a broad interpretation of these areas, to collect and exchange expertise from a diverse set of disciplines.

This year the workshop solicited publications in three categories: research papers, position papers, and tool demonstrations. There were submissions in all categories except for tool demonstrations. The full call for papers can be found on the workshop website (www.cyphy.org).

The review process was conducted as follows. First, the international Program Committee (PC) members expressed interest in reviewing specific papers and also declared conflicts of interest. (There were two papers, involving two PC members. Throughout the process, the EasyChair conference system limited those reviewers who declared a conflict with a given paper from access to that paper, its reviews, and from discussions on it.) After collecting preferences and conflicts, papers were assigned to reviewers. Papers received on average three reviews. After the majority of reviews were submitted, there was a week of online PC meeting. Extensive discussions in the PC meeting were conducted for nine papers and a summary thereof was provided to the authors. Out of all 13 submissions, 10 were selected for publication.

We would like to take this opportunity to acknowledge the excellent efforts of the PC, the external reviewers, and the authors. We thank the Steering Committee of the CyPhy workshop series and in particular its chairperson Professor Walid Taha, for their confidence and their advice. We also wish to thank Professor Tulika Mitra (ESWEEK Workshop Chair), Professor Nikil Dutt (member of ESWEEK Steering Committee), and Professor Rolf Ernst (ESWEEK General Chair) for their effort in facilitating this year's workshop.

August 2015

Christian Berger
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