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Cyber Physical Systems

Model-Based Design

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and 15th International Workshop, WESE 2019
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Revised Selected Papers

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St. Louis, MO, USA

Martin Edin Grimheden
KTH Royal Institute of Technology
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Walid Taha
Halmstad University
Halmstad, Sweden

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Preface

This volume contains the joint proceedings of the Workshop on Model-Based Design of Cyber Physical Systems (CyPhy 2019) and the Workshop on Embedded and Cyber-Physical Systems Education (WESE 2019). The two events were co-located and coordinated for the third time in a row with the goal of exploring opportunities for closer collaboration.

This year, CyPhy 2019 planned from the outset to have post-proceedings to allow authors to incorporate feedback and insights from discussions at the workshop. The workshop received 18 submissions. The Program Committee decided to accept 10 of these papers.

The WESE 2019 workshop received six submissions and contributed three papers to the proceedings.

The Program Committee was large and diverse, consisting of 75 members from 18 different countries. As a step towards closer cooperation, the Program Committee was unified, in that all members served both CyPhy 2019 and WESE 2019. Each paper received at least four reviews, and the vast majority received five or more.

All committee members were required to declare conflicts of interests whenever they arose, and were subsequently not involved in reviewing these papers. Three papers created conflicts for one of the program co-chairs, in which case the same process was applied and in addition the other co-chair handled the submission. Of the three submissions for which there was a co-chair conflict, two were accepted.

In addition, there were two keynotes, the first by Edward Lee entitled "Actors Revisited for Cyberphysical Systems" and the second by Martin Edin Grimheden entitled "What can Embedded Systems education learn from current research and trends in the general engineering education area?".

We would like to acknowledge several individuals who were key to the success of the event, including the Program Committee, authors, keynote speakers, the publicity chair: Abdelhamid Taha, and the organizers of ESWEEK 2019.

December 2019

Roger Chamberlain
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Walid Taha

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