

# Preface

This volume constitutes the proceedings of the 37th International Conference on Application and Theory of Petri Nets and Concurrency (Petri Nets 2016). This series of conferences serves as an annual meeting place to discuss progress in the field of Petri nets and related models of concurrency. These conferences provide a forum for researchers to present and discuss both applications and theoretical developments in this area. Novel tools and substantial enhancements to existing tools can also be presented. This year, the satellite program of the conference comprised three workshops, two Petri net courses, two advanced tutorials, and a model checking contest.

Petri Nets 2016 was co-located with the Application of Concurrency to System Design Conference (ACSD 2016). Both were organized by the Faculty of Mathematics and Computer Science of the Nicolaus Copernicus University. It took place in Toruń, Poland, during June 19–24, 2016. We would like to express our deepest thanks to the Organizing Committee chaired by Łukasz Mikulski for the time and effort invested in the local organization of this event.

This year, 42 regular papers were submitted to Petri Nets 2016. The authors of the submitted papers represented 29 different countries. We thank all the authors. Each paper was reviewed by at least three reviewers, three and a half on average. The Program Committee (PC) meeting took place electronically, using the EasyChair conference system for the paper selection process. The PC selected 16 papers for presentation, among them three are tool papers. The program also included four invited talks. After the conference, some authors were invited to submit an extended version of their contribution for consideration in a special issue of a journal.

We thank the PC members and other reviewers for their careful and timely evaluation of the submissions before the meeting and the fruitful discussions during the electronic meeting. The Springer LNCS team and the EasyChair system provided excellent support in the preparation of this volume. We are also grateful to the invited speakers for their contribution:

- Ian Foster, University of Chicago, who delivered the Distinguished Carl Adam Petri Lecture  
“Reasoning About Discovery Clouds”
- Manfred Broy, Technical University of Munich  
“From Actions, Transactions, and Processes to Services”
- Slawomir Lasota, University of Warsaw  
“Decidability Border for Petri Nets with Data: WQO Dichotomy Conjecture”
- Jetty Kleijn, Leiden University  
“On Processes and Paradigms”

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