

Editors: Daniel Moldt and  
Heiko Rölke

Proceedings of the  
International Workshop on

**P**etri  
**N**ets and  
**S**oftware  
**E**ngineering  
**PNSE'14**

University of Hamburg  
Department of Informatics

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## Preface

These are the proceedings of the International Workshop on *Petri Nets and Software Engineering* (PNSE'14) in Tunis, Tunisia, June 23–24, 2014. It is a co-located event of *Petri Nets 2014*, the 35th international conference on Applications and Theory of Petri Nets and Concurrency and *ACSD 2014*, the 14th International Conference on Application of Concurrency to System Design. More information about the workshop can be found at:

<http://www.informatik.uni-hamburg.de/TGI/events/pnse14/>

For the successful realisation of complex systems of interacting and reactive software and hardware components the use of a precise language at different stages of the development process is of crucial importance. Petri nets are becoming increasingly popular in this area, as they provide a uniform language supporting the tasks of modelling, validation, and verification. Their popularity is due to the fact that Petri nets capture fundamental aspects of causality, concurrency and choice in a natural and mathematically precise way without compromising readability.

The use of Petri Nets (P/T-Nets, Coloured Petri Nets and extensions) in the formal process of software engineering, covering modelling, validation, and verification, will be presented as well as their application and tools supporting the disciplines mentioned above.

The program committee consists of:

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Eric Verbeek (Eindhoven University of Technology, Netherlands)  
Jan Martijn van der Werf (Utrecht University, Netherlands)  
Manuel Wimmer (Vienna University of Technology, Austria)  
Karsten Wolf (University of Rostock, Germany)

There is one invited talk by Lars Kristensen from BERGEN UNIVERSITY COLLEGE, NORWAY. We received more than 28 high-quality contributions. For each paper three to four reviews were made. The program committee has accepted five of them for full presentation. Furthermore the committee accepted 13 papers as short presentations and one short paper. Several more contributions were submitted and accepted as posters.

The international program committee was supported by the valued work of following sub reviewers: Sofiane Bendoukha, Maximilien Colange, Tadeusz Czachorski, Markus Huber, Yasir Khan, Görkem Kılınc, Luca Manzoni, Artur Niewiadomski, and Józef Winkowski. Their work is highly appreciated.

Furthermore, we would like to thank our colleagues in the local organization in Tunis, Tunisia, for their support.

Without the enormous efforts of authors, reviewers, PC members and the organizational team this workshop wouldn't provide such an interesting booklet.

Thank you,

Daniel Moldt and Heiko Rölke

Hamburg, June 2014

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