Editors: Lawrence Cabac,
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Daniel Moldt

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Preface

These are the proceedings of the International Workshop on *Petri Nets and Software Engineering* (PNSE'12) in Hamburg, Germany, June 25–26, 2012. It is a co-located event of *Petri Nets 2012*, the 33rd international conference on Applications and Theory of Petri Nets and Concurrency, and *ACSD 2012*, the 12th 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/pnse12/`

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, is presented as well as their application and tools supporting the disciplines mentioned above.

The program committee consists of:

Kamel Barkaoui (France)
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Heiko Rölke (Germany)
Catherine Tessier (France)
H.M.W. (Eric) Verbeek (Netherlands)

We received 27 high-quality contributions. The program committee has accepted eight of them for full presentation. Furthermore the committee accepted four papers as short presentations. Eight more contributions were accepted as posters.

The international program committee was supported by the valued work of Paulo Barbosa, Robin Bergenthum, Luca Bernardinello, Jean-Yves Didier, Bachir Djafri, Carlo Ferigato, Agata Janowska, Alban Linard, Edmundo Lopez, Romain Soulat, and Maciej Szreter as additional reviewers. Their work is highly appreciated.

Furthermore, we would like to thank our colleagues in the local organization team here at the University of Hamburg, Germany, 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.

Thanks!

Lawrence Cabac, Michael Duvigneau, Daniel Moldt
Hamburg, June 2012

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