

Introduction

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.

This part contains contributions accepted for long and short presentation at the International Workshop on *Petri Nets and Software Engineering* (PNSE'10) in Braga, Portugal, June 22, 2010.

We received 16 high-quality contributions. The program committee has accepted four of them for full presentation. Furthermore the committee accepted five papers as short presentations. Three contributions were submitted and accepted as posters.

This CEUR proceedings version comprises just the full and short presentation papers. More information about the workshop, like the full online-proceedings, can be found at <http://www.informatik.uni-hamburg.de/TGI/events/pnse10/>

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

Thanks!

Michael Duvigneau
Daniel Moldt