

# PNSE'09

## International Workshop on Petri Nets and Software Engineering

Paris, France, June 22/23, 2009

a satellite event of

**Petri Nets 2009**

**30th International Conference on Application and Theory of  
Petri Nets and Other Models of Concurrency**

More information: <http://petrinet2009.lip6.fr/>

and

**RSP 2009**

**20th IEEE/IFIP International Symposium on Rapid System Prototyping**

More information: <http://www.rsp-symposium.org/>

Contact e-mail: [pnse09@informatik.uni-hamburg.de](mailto:pnse09@informatik.uni-hamburg.de)

### Important Dates:

Deadline for full papers: expired

Deadline for short papers: expired

Notification of paper acceptance: done

Deadline for posters: **May 11, 2009**

Notification of poster acceptance: **May 14, 2009**

Deadline for **all** accepted contributions: **May 21, 2009**

Workshop: **June 22/23, 2009**

---

[Scope](#) [Topics](#) [Invited Speaker](#) [Programme Committee](#) [Registration & Accommodation](#)  
[Submissions](#) [pdf version of Cfp](#)

---

Some of the best papers from the workshop will be invited for publication in a volume of the journal sub line of Lecture Notes in Computer Science entitled "[Transactions on Petri Nets and Other Models of Concurrency](#)" (ToPNoC). The papers are expected to be thoroughly revised and they will go through a totally new round of reviewing as is standard practice for journal papers. First issue of this series (contains papers from [PNSE'07](#)) see: [Content of LNCS 5100](#) [Overview of LNCS 5100](#)

---

### Scope

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 workshop PNSE'09 (Petri nets and Software Engineering) will take place as a satellite event of Petri Nets 2009 and RSP 2009.

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.

---

## Topics

We welcome contributions describing original research in topics related to Petri nets in combination with software engineering addressing open problems or presenting new ideas regarding the relation of Petri nets and software engineering. Furthermore we look for surveys addressing open problems and new applications of Petri nets. Topics of interest include but are not limited to:

- Modelling
  - representation of formal models by intuitive modelling concepts
  - guidelines for the construction of system models
  - representative examples
  - state-, event-, object-, and agent-oriented approaches
  - adaption, integration, and enhancement of concepts from other disciplines
  - views and abstractions of systems
  - model driven architecture
  - modelling software landscapes
  - web service based software development
- Validation and Execution
  - prototyping
  - simulation, observation, animation
  - code generation and execution
  - testing and debugging
  - efficient implementation
- Verification
  - structural methods (e.g. place invariants, reduction rules)
  - results for structural subclasses of nets
  - relations between structure and behaviour
  - state space based approaches
  - efficient model checking
  - assertional and deductive methods (e.g. temporal logics)
  - process algebraic methods
  - applications of category theory and linear logic
- Application of Petri nets in Software Engineering, in particular the use of Petri nets in the domains of
  - flexible manufacturing,
  - logistics,
  - telecommunication, and
  - workflow management.
- Tools in the fields mentioned above

---

## Invited Speaker

[Christophe Sibertin-Blanc](#) (France)  
[Abstract](#)

---

## Programme committee

- [Wil van der Aalst](#) (The Netherlands)
- [Peter Buchholz](#) (Germany)
- [Didier Buchs](#) (Switzerland)
- [Piotr Chrzastowski-Wachtel](#) (Poland)
- [Gianfranco Ciardo](#) (USA)
- [José-Manuel Colom](#) (Spain)
- [Raymond Devillers](#) (Belgium)
- [Zhenhua Duan](#) (China)
- [Berndt Farwer](#) (United Kingdom)
- [Jorge C. A. de Figueiredo](#) (Brasil)
- [Giuliana Franceschinis](#) (Italy)
- [Luís Gomes](#) (Portugal)
- [Nicolas Guelfi](#) (Luxembourg)
- [Guy Gallasch](#) (Australia)
- [Serge Haddad](#) (France)
- [Xudong He](#) (USA)
- [Kees van Hee](#) (The Netherlands)
- [Monika Heiner](#) (Germany)
- [Vladimír Janousek](#) (Czech Republic)
- [Gabriel Juhás](#) (Slovak Republic)
- [Astrid Kiehn](#) (India)
- [Ekkart Kindler](#) (Denmark)
- [Michael Köhler-Bußmeier](#) (Germany)
- [Gabriele Kotsis](#) (Austria)
- [Maciej Koutny](#) (UK)
- [Lars Kristensen](#) (Denmark)
- [Xiaou Li Zhang](#) (Mexico)
- [Johan Lilius](#) (Finland)
- [Robert Lorenz](#) (Germany)
- [Daniel Moldt](#) (Germany) (Chair)
- [Chun Ouyang](#) (Australia)
- [Wojciech Penczek](#) (Poland)
- [Laure Petrucci](#) (France)
- [Heiko Rölke](#) (Germany)
- [Sol M. Shatz](#) (USA)
- [Christophe Sibertin-Blanc](#) (France)
- [Natalia Sidorova](#) (The Netherlands)
- [Mark-Oliver Stehr](#) (USA)
- [Harald Störrle](#) (Austria)
- [Ferucio Laurentiu Tiplea](#) (Rumania)
- [Ulrich Ultes-Nitsche](#) (Switzerland)
- [Karsten Wolf](#) (Germany)
- [Jianli Xu](#) (Finland)
- [Christian Zirpins](#) (Germany)
- [Mengchu Zhou](#) (USA)
- [Wlodek M. Zuberek](#) (Canada)

---

## Registration & Accommodation

Please register for the PNSE'09 workshop at the registration site of the [Petri Nets 2009 Hotel](#)

## Information.

Information about how to reach the workshop / conference site and about hotels can be found at the [Petri Nets 2009 Registration](#).

---

## **Submissions**

The programme committee invites submissions of full contributions (up to 15 pages) or short contributions (up to 5 pages). Ongoing work (up to 2 pages) can also be presented in a special poster session.

Please note that for full contributions up to 15 pages are recommended. However, up to 20 pages can be used for the pre-proceedings. Nevertheless only 15 pages will be allowed for the possible post-proceedings papers.

Papers should be submitted in electronic form (PDF) using the Springer LNCS-format (see <http://www.springer.de/comp/lncs/authors.html>). Submissions should include title, authors' addresses, E-mail addresses, keywords and an abstract. For your submission in PDF format please use the online conference management system at

<http://www.easychair.org/conferences/?conf=pnse09>

Just create a new account and then upload your paper. (Later you will be able to see your reviews there.)

The papers will be peer reviewed by at least four members of the PC. Accepted contributions will be included in the workshop proceedings, which will be available at the workshop and on this website.

In case of any problems please contact us by email at [pnse09\\_at\\_informatik\\_dot\\_uni-hamburg\\_dot\\_de](mailto:pnse09_at_informatik_dot_uni-hamburg_dot_de).

---

Some of the best papers from the workshop will be invited for publication in a volume of the journal sub-line of Lecture Notes in Computer Science entitled "[Transactions on Petri Nets and Other Models of Concurrency](#)" (ToPNoC). The papers are expected to be thoroughly revised and they will go through a totally new round of reviewing as is standard practice for journal papers.

For further information on PNSE'09 contact the programme committee by email at

[pnse09\\_at\\_informatik\\_dot\\_uni-hamburg\\_dot\\_de](mailto:pnse09_at_informatik_dot_uni-hamburg_dot_de)

---

 [\[TGI\] \[Informatik\] \[Universität\]](#) 

*Daniel Moldt*

<http://www.informatik.uni-hamburg.de/TGI/events/pnse09/>

[Impressum](#)