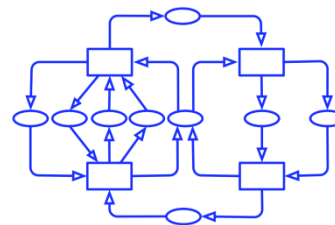**Call for Papers and Announcement**
Petri Nets 2017
**38th INTERNATIONAL CONFERENCE
ON APPLICATIONS AND THEORY
OF PETRI NETS AND CONCURRENCY**
Zaragoza, Spain, June 25-30, 2017

Additional information about the conference will be published via
http://pn2017.unizar.es
Contact e-mail: pn2017@unizar.es
The conference will be co-located with the
17th International Conference on
Application of Concurrency to System Design (**ACSD 2017**).

Important Dates: Updated with Deadline Extensions!

Abstract submission:	~~January 10, 2017~~ **January 17, 2017 (*)**
Submission of Papers:	~~January 15, 2017~~ **January 22, 2017 (*)**
Notification:	March 1, 2017
Final Version Due:	March 15, 2017 (*)
Participation in Tool Exhibition:	June 1, 2017
Workshops & Tutorials:	June 25-27, 2017
Main Conference:	June 28-30, 2017

(*) The deadline is end of day Anywhere on Earth (AoE)

The 38th annual international Petri Nets conference will be organized by the Aragón Institute of Engineering Research (I3A), of Zaragoza University, Zaragoza, Spain. The conference will take place at the School of Engineering and Architecture (EINA) of Zaragoza University. The language of the conference is English, and its proceedings will be published by Springer-Verlag in Lecture Notes in Computer Science. Papers presenting original research on application or theory of Petri nets, as well as contributions addressing topics relevant to the general field of distributed and concurrent systems are sought. All accepted regular papers will be considered for an "Outstanding Paper" award. Some of the best papers will be invited, in an extended form, as submissions to a special issue of a well established computer science journal.

General topics related to concurrency

- Model checking and verification of distributed systems
- Verification of infinite-state or parametric systems
- Causality/partial order theory of concurrency
- Educational issues related to concurrency
- New developments in the theory of concurrency
- Modelling of hardware and biological systems

Photography: Zaragoza Turismo

Topics specific to Petri nets

- System design using nets
- Analysis and synthesis, structure and behaviour of nets
- Relationships between Petri nets and other approaches
- Net-based semantical, logical and algebraic calculi
- Symbolic net representation (graphical or textual)
- Computer tools for nets
- Experience with using nets, case studies
- Higher-level net models
- Timed and stochastic nets
- Standardisation of nets
- Experience reports describing applications of nets to different kinds of systems and application fields, e.g.:

flexible manufacturing systems	office automation
real-time systems	workflows
embedded systems	process mining
biological systems	supervisory control
health and medical systems	protocols and networks
environmental systems	Internet and web services
hardware	e-commerce and trading
telecommunications	programming languages
railway networks	performance evaluation
component-based development	operations research

Universidad Zaragoza 1542

i3A

Escuela de Ingeniería y Arquitectura **Universidad Zaragoza**

Paper Submission:

Two kinds of papers can be submitted:

- regular papers (max 20 pages) describing original results pertaining to the development of the theory of Petri nets and distributed and concurrent systems in general, new results extending the applicability of Petri Nets, or case studies, application and experience reports pertinent to the practical use of Petri nets and concurrency.
- tool papers (max 10 pages) describing a computer tool based on Petri nets (not an application of the tool or the theory behind the tool). The tool should be available for use by other groups (but not necessarily for free). The submission should indicate how the reviewers can get access to the tool (this must be for free). The tool will be demonstrated in the Tool Exhibition, in addition to being presented in a conference talk.

Submitted papers must:

- be contributions that have not been published or submitted to other conferences/journals before or in parallel with this conference.
- clearly state the problem being addressed, the goal of the work, the results achieved, and the relation to other work.
- be in English and in the Springer LNCS-format: http://www.springer.de/comp/lncs/authors.html.
- adhere to the page limit for the relevant category (see above).
- be sent electronically (as a PDF file) no later than ~~January 10~~ **January 17** (or ~~January 15~~ **January 22** if, an abstract was submitted by ~~January 10~~ **January 17**), 2017 (Anywhere on Earth) using the EasyChair website: https://easychair.org/conferences/?conf=petrinets2017.

The title page must:

- contain a short abstract and a classification of the topics covered, preferably using the list of topics above.
- clearly indicate whether the paper is submitted as a regular paper or tool paper.

Submissions violating the above requirements may be immediately rejected by the PC Chairs.

Tool Exhibition:

An exhibition of Petri net tools will take place on Wednesday. It consists of informal demonstrations for small groups/individuals, and there are no scheduled talks. Requests for participation in the tool exhibition must be sent to the Tool Exhibition Chair before June 1, 2017. They should include a link to the web pages for the tool (or a short description of the tool). The demonstrators bring their own machines, while the organizers may be requested to give access to the Internet.

Courses, Workshops and Tutorials:

The main conference takes place from Wednesday to Friday. The three days before the main conference also offer a wide range of activities. The **Petri Net Course** takes place from Sunday to Tuesday. It offers a thorough introduction to Petri nets in four half–day modules on Sunday and Monday, and a full–day tutorial module on Tuesday. For successful participation in the entire course, including preparation and examination, three credit points (ECTS) will be awarded. Each module of the course can also be taken separately, without any credit.

Workshops take place on Monday and Tuesday. On Tuesday there will be two tutorials on applications of Petri nets and/or new developments presented by experts in the area. These tutorials can be followed independently or in combination with the Petri Net Course. Detailed descriptions of Workshops and Tutorials will be made available via the conference web pages.

It is also possible to arrange **Meetings** and **Courses** related to Petri Nets. Submissions for such activities must contain a 2 – 5 page description. They must be received by the PC – chairs via email no later than January 10, 2017.

History of the Conference:

The aim of the conference is to create a forum for discussing progress in the application and theory of Petri nets. Typically, the conferences have 100–150 participants – some of them coming from industry, the rest from universities and research institutions. The conference takes place at the end of June, in such a way that the last Friday in June closes the conference. The proceedings are published by Springer-Verlag as Lecture Notes in Computer Science (http://www.springer.de/comp/lncs/).

1. 1980 Strasbourg, France
2. 1981 Bad Honnef, Germany
3. 1982 Varenna, Italy
4. 1983 Toulouse, France
5. 1984 Aarhus, Denmark
6. 1985 Espoo, Finland
7. 1986 Oxford, UK
8. 1987 Zaragoza, Spain
9. 1988 Venice, Italy
10. 1989 Bonn, Germany
11. 1990 Paris, France
12. 1991 Aarhus, Denmark
13. 1992 Sheffield, UK
14. 1993 Chicago, USA
15. 1994 Zaragoza, Spain
16. 1995 Torino, Italy
17. 1996 Osaka, Japan
18. 1997 Toulouse, France
19. 1998 Lisbon, Portugal
20. 1999 Williamsburg, USA
21. 2000 Aarhus, Denmark
22. 2001 Newcastle upon Tyne, UK
23. 2002 Adelaide, Australia
24. 2003 Eindhoven, The Netherlands
25. 2004 Bologna, Italy
26. 2005 Miami, USA
27. 2006 Turku, Finland
28. 2007 Siedlce, Poland
29. 2008 Xi'an, China
30. 2009 Paris, France
31. 2010 Braga, Portugal
32. 2011 Newcastle upon Tyne, UK
33. 2012 Hamburg, Germany
34. 2013 Milano, Italy
35. 2014 Tunis, Tunisia
36. 2015 Brussels, Belgium
37. 2016 Toruń, Poland

Organization

Program Committee Co-chairs

Wil van der Aalst
Dep. of Mathem. and Comp. Sci.,
Eindhoven University of Technology
✉w.m.p.v.d.aalst@tue.nl

Eike Best
Department für Informatik
Universität Oldenburg,
✉eike.best@informatik.uni-oldenburg.de

Workshop and Tutorial Co-chairs

Wojciech Penczek
Institute of Computer Science,
Polish Academy of Sciences
✉penczek@ipipan.waw.pl

Lars Michael Kristensen
Faculty of Engineering,
Bergen University College
✉ lmkr@hib.no

Organizing Committee Chair

José Manuel Colom
Aragón Institute of Engineering Research,
Zaragoza University
✉pn2017@unizar.es

Tools Exhibition Chair

Unai Arronategui
Aragón Institute of Engineering Research,
Zaragoza University
✉pn2017-tools@unizar.es

Publicity Chair

Rafael Tolosana-Calasanz
Aragón Institute of Engineering Research,
Zaragoza University
✉pn2017-publicity@unizar.es

Steering Committee

W. van der Aalst, The Netherlands
J. Kleijn, The Netherlands
L. Pomello, Italy
G. Ciardo, USA
F. Kordon, France
W. Reisig, Germany
J. Desel, Germany
M. Koutny, UK (chair)
G. Rozenberg, The Netherlands
S. Donatelli, Italy
L.M. Kristensen, Norway
M. Silva, Spain
S. Haddad, France
C. Lin, China
A. Valmari, Finland
K. Hiraishi, Japan
W. Penczek, Poland
A. Yakovlev, UK

Program Committee

W.van der Aalst, The Netherlands (co-chair)
G. Balbo, Italy
R. Bergenthum, Germany
E. Best, Germany (co-chair)
H. Boucheneb, Canada
D. Buchs, Switzerland
L. Cabac, Germany
J.M. Colom, Spain
D. Fahland, The Netherlands
D. de Frutos Escrig, Spain
G. Geeraerts, Belgium
H. Hansen, Finland
P. Jancar, Czech Republic
R. Janicki, Canada
G. Juhas, Slovakia

F. Kordon, France
L.M. Kristensen, Norway
H. Matsuno, Japan
Ł. Mikulski, Poland
A. Miner, USA
D. Moldt, Germany
G. Michele Pinna, Italy
P. Poizat, France
S. Schmitz, France
P. Sobocinski, UK
Y. Thierry-Mieg, France
I. Virbitskaite, Russia
M. Weidlich, Germany
K. Wolf, Germany

Other Major Activities of the Petri Net Community

Petri Net Newsletter

The newsletter is published twice a year by the Special Interest Group on Petri Nets and Related System Models of the Gesellschaft für Informatik. It contains articles, surveys and state-of-the-art reports. Also, it contains work-in-progress papers, all kinds of announcements, programs and reports on meetings and activities, information on theses and new books, and abstracts of recent publications.
The executive editor is Robert Lorenz (e-mail:robert.lorenz@informatik.uni-augsburg.de). Further information as well as subscribtions forms can be obtained from the Petri Net Newsletter website: http://www.informatik.uni-augsburg.de/pnnl/

Transactions on Petri Nets and Other Models of Concurrency (ToPNoC)

ToPNoC (http://www.springer.com/lncs/topnoc) is published by Springer-Verlag as a journal subline in Lecture Notes in Computer Science (LNCS). ToPNoC contains: revised versions of some of the best papers from workshops and tutorials at the annual Petri net conferences, special sections/issues within particular subareas, and papers submitted directly to ToPNoC.
For more information about ToPNoC please contact the editor-in-chief: Maciej Koutny (e-mail:maciej.koutny@ncl.ac.uk).

Advanced Courses on Petri Nets

These courses are organised periodically in order to present the progress in Petri net research and applications. The 5th Advanced Course took place in Rostock, Germany, September 13 –24, 2010. Previously there have been Advanced Courses in Hamburg 1979, Bad Honnef 1986, Dagstuhl 1996 and Eichstätt 2003. The material from the last course has been published by Springer-Verlag as a special volume of ToPNoC:
http://www.springer.com/computer/swe/book/978-3-642-38142-3

Petri Net WWW and Petri Net Mailing

These electronic services are used to disseminate announcements, questions, bibliographies, tool information, addresses, and all other kinds of Petri net related information. The services are maintained by the TGI group at University of Hamburg, Germany. More information can be obtained at the following addresses:

- E-mail:petriadm@informatik.uni-hamburg.de
- Web:http://www.informatik.uni-hamburg.de/TGI/PetriNets/

Zaragoza

Zaragoza is a warm, lively and historical city, capital of the Aragón Region, in NE Spain, strategically located between Madrid, Barcelona, Bilbao, Valencia and Toulouse. The city was founded under Roman Emperor Caesar Augustus around 14 BC and offers a host of historical sights covering its Roman, Islamic, and Christian epochs. Nowadays it is the fifth city in Spain with over 700,000 habitants. The city welcomes visitors with its rich culture, shopping, eating, and sightseeing.

Zaragoza hosted Expo 2008 in the summer of 2008, a world's fair on water and sustainable development. It was also a candidate for the European Capital of Culture in 2012. The city is famous for its folklore, local gastronomy, and landmarks such as the Basílica del Pilar, La Seo Cathedral and the Aljafería Palace. Together with La Seo and the Aljafería, several other buildings form part of the Mudéjar Architecture of Aragon, which is a UNESCO World Heritage Site. The Fiestas del Pilar are among the most celebrated festivals in Spain.

Despite a decline in the outlying rural economy, Zaragoza has continued to grow. During the second half of the 20th century, its population boomed as a number of factories opened in the region.

Zaragoza University

Although founded in 1542, the University of Zaragoza (with its 35,000 students in its 22 faculties spread among the different campuses in the provinces of Zaragoza, Huesca and Teruel) has not lost the beat of the times. Zaragoza University is the main centre of technological innovation in the Ebro Valley and enjoys a great prestige among the group of Spanish, European and International universities it has relations with.

Not only does it enjoy high prestige in Spanish as a Foreign Language, but also in fields as interesting to international students as Spanish Literature, Geography, Archaeology, Cinema, History, Biocomputation and Physics of Complex Systems (BIFI Research Group), Aragón Institute for Engineering Research (I3A), Homogeneous Catalysis Research Institute (IUCH) and Nanotechnologies among many others. Notable member of the University was Santiago Ramón y Cajal, awarded the Nobel Prize in Physiology or Medicine in 1906 and is widely recognized as the father of modern neuroscience.

School of Engineering and Architecture – Aragón Institute of Engineering Research (I3A)

The School of Engineering and Architecture, located in the Campus Río Ebro in Zaragoza, enjoys high prestige for its training of engineering professionals, their degrees are widely recognised and highly valued in the national and international labour market, and the level of graduate employment is impressive. The School of Engineering and Architecture has been the result of the merge of two well-known and well reputed schools of engineering, the "Centro Politécnico Superior" and the "Escuela Universitaria de Ingeniería Técnica Industrial".

In the academic year 2010-11, the university started the Bologna convergence process, offering 9 official Bachelor's degrees and 8 Master's degrees, fully adapted to the new structure. This offer comprises 6 degrees in the area of Industrial Engineering, 2 in the area of Information and Communication Technologies (ICT) and a degree in Architecture.

The I3A is a university research institute established by the Zaragoza University more than 10 years ago and located in the Campus Río Ebro in Zaragoza. Since established, the I3A has grown both nationally and internationally, consolidated a shared vision among scientists and technical experts, and gained recognition as a reference point in many fields of engineering research. Its four strategic divisions, Biomedical Engineering, Information and Communication Technologies, Processes and Recycling, and Industrial Technologies, work for a common objective, which is to generate knowledge and transfer this knowledge to the social and business environment.