Welcome
by the general chair Wil van der Aalst
over 520 participants for all three conferences (420+ ICPM)

40th edition of our conference

special session on Friday afternoon

like 2003 co-located with a new conference (then BPM, now ICPM)
Thanks to our platinum sponsors

celonis
Deloitte.
PROCESSGOLD
TIMELINEPI
Thanks to our silver and bronze sponsors
Thanks to our cooperation partners
Thanks

- Participants
- Authors and presenters
- PC chairs (Susanna Donatelli and Stefan Haar), also for ACSD (Jörg Keller and Wojciech Penczek)
- PC members
- Demo chair: Bas van Zelst
- Publicity chair: Anna Kalenkova
Sunday DC + PN course

Reception dinner on Monday

Monday, June 24

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00</td>
<td>PN Course</td>
<td>Lars Kristensen</td>
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<tr>
<td>10:30</td>
<td>Coffee Break</td>
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<tr>
<td>11:00</td>
<td>PN Course</td>
<td>Lars Kristensen</td>
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<tr>
<td>12:30</td>
<td>Lunch Break + Market</td>
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<tr>
<td>13:30</td>
<td>PN Course</td>
<td>Serge Haddad</td>
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<tr>
<td>15:00</td>
<td>Coffee Break</td>
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<tr>
<td>15:30</td>
<td>PN Course</td>
<td>Serge Haddad</td>
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<tr>
<td>17:00</td>
<td>Break</td>
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<tr>
<td>17:15</td>
<td>Invited Tutorial</td>
<td>Gal, Weidlich</td>
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<tr>
<td>18:15</td>
<td>18:15-22:30 Meeting</td>
<td>Steering Committee Petri Nets</td>
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<td>18:30</td>
<td>After Party (by Colonis)</td>
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<tr>
<td>19:30</td>
<td>Dinner Kurparkterrassen</td>
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Tuesday, June 25

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Opening by General Chair and PC Chairs</td>
<td>Keynote Wil van der Aalst</td>
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<tr>
<td>09:10</td>
<td>Tutorial Karsten Wolf</td>
<td>Kindler</td>
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<tr>
<td>11:00</td>
<td>Emerging Applications of Process Mining</td>
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<tr>
<td>13:30</td>
<td>Predictive Monitoring</td>
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<tr>
<td>15:30</td>
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<tr>
<td>17:00</td>
<td>PN Tool Demonstrations</td>
<td>Bas van Zelst</td>
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Wednesday, June 26

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<tr>
<td>09:00</td>
<td>Opening</td>
<td>Jörg Keller</td>
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<tr>
<td>09:15</td>
<td>Invited Talk</td>
<td>Philippa Tj Wee</td>
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<tr>
<td>10:00</td>
<td>10:00 - 10:30 Open Nets</td>
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<td>11:00</td>
<td>Synthesis</td>
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<td>13:30</td>
<td>Models with Extensions</td>
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<tr>
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<td>Processes</td>
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Thursday, June 27

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<td>11:00</td>
<td>Data Analysis &amp; Monitoring</td>
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<tr>
<td>15:30</td>
<td>Processes</td>
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Friday, June 28

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<td>10:00 - 10:30 Open Nets</td>
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<tr>
<td>11:00</td>
<td>Dataflow and Parallel Computing</td>
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<tr>
<td>13:30</td>
<td>Process</td>
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<tr>
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Petri nets / ACSD program (see booklet)

Today

Tool demonstrations in Club lounge 2

Thursday ACSD

Club lounge 1

Thursday Petri nets

Club lounge 1

Friday Petri nets

Press conference room

Press conference room

Note closing session: Champagne from France
40th Petri Net Conference (Friday afternoon)

Session 1 (chair Jörg Desel)

13.30 Wolfgang Reisig: How it all begun
14.10 Maciej Koutny: The Petri net community today (including statistics)

Session 2 (chair Alex Yakovlev)

15.10 Gianfranco Balbo: 35 years of (generalized) stochastic Petri nets for performance analysis
15.30 Javier Esparza: 25 years of net unfoldings and true-concurrency analysis tools
15.50 Wil van der Aalst: 20 years of workflow Petri nets, initiating the biggest success story of Petri nets
16.10 Fabrice Kordon: 10 years of model checking contest with Petri nets

Session 3 (chair Jetty Kleijn)

17.00 P.S. Thiagarajan: Some thoughts on Carl Adam Petri, Petri nets, concurrency theory and biology
Social events remaining

SIGHTSEEING TOUR - WEDNESDAY, JUNE 26, 2019, 19:30

Meeting point: Tourist Info Dianabrunnen, Friedrich-Wilhelm-Platz, 52062 Aachen

The sightseeing tour will show Aachen, the 13th century city and UNESCO World Heritage Site in Germany. It is impossible to visualize the splendor of Aachen magnetically embodied. The notable places of Aachen or built around Aachen have been pointed out, that the history of the city, the beautiful city hall, and the Burg-Aachen. Even more interesting, the tour, taken every two of the visitor parties, between Dianabrunnen and the Friedens-Schloss Aachener Str. 14.

Wednesday 19:30

Conference Dinner Petri Nets / ACSO - Kurpark-Terrassen

Thursday, June 27th, 19:30

Domstraße 48, 52066 Aachen
Enjoy the conference!
Welcome
by the PC chairs
Susanna Donatelli and Stefan Haar
Petri Nets 2019
40th International Conference on Application and Theory of Petri Nets

Program Committee
Aachen, June 26, 2019
Submissions+Reviewing

- 41 papers submitted (33 regular, 8 tool papers)
- authors from 19 different countries

- Each paper was reviewed by three reviewers ...
- ... after some adjusting: avoid conflict of interest, balance workload, etc.
- (Almost) all reviews came in on time - thanks!
- Selection process with electronic discussions
- ... that intensified when closing in on borderline papers
- Entire process until proceedings generation supported by Easychair
- At the end of the process: 23 papers selected (19 regular, 4 tool papers)
Conference program

• Three invited lectures: the Carl Adam Petri distinguished lecture + two invited (one for Petri Nets and one for ACSD)

• Sessions on: Synthesis, Semantics, Analysis of extended PN models, Stochastic models, Concurrent processes, Algorithmic aspects of verification, Open nets, Parametrics and combinatorics

• A tool session with 4 tool presentation

• A tool demo with 9 tools on Thursday afternoon
Carl Adam Petri Distinguished Lecture: Luca Cardelli

- Assistant Director at Microsoft
- Research Cambridge, UK
- Royal Society Research Professor, U of Oxford
- π-Calculus, Continuous Markov Processes
- (Reactive) Systems Biology
- Natural Computability, Molecular Semantics
- Cell Cycle Switch, Phosphorelays, Immune System
- ...

Topic CAP lecture:

Programmable Molecular Networks
Invited Speaker: Dirk Fahland (Friday)

Research (excerpts)
• Associate Professor Eindhoven
• University of Technology (TU/e)
• Complex and distributed Systems
• Process mining
• data engineering.
• Workflows
• Artifacts
• Precision Measures
• Log Pattern detection
• Data Quality
• . . .

Invited lecture on
Describing, Discovering, and Understanding
Multi-Dimensional Processes
Thanks to:

- Easychair for reliable and smooth support of selection process
- the PN Steering committee for their support
- the organizers in Aachen for giving the pace
- Springer Verlag for the proceedings
- and ...
Thanks to: Program Committee

Elvio Amparore, Italy
Paolo Baldan, Italy
Didier Buchs, Switzerland
Maximilien Colange, France
Jose Manuel Colom, Spain
Isabel Demongodin, France
Susanna Donatelli, Italy (Co-chair)
Javier Esparza, Germany
Dirk Fahland, The Netherlands
Gilles Geeraerts, Belgium
Stefan Haar, France (Co-chair)
Henri Hansen, Finland
Petr Jancar, Czech Republic
Ryszard Janicki, Canada
Gabriel Juhas, Slovakia
Anna Kalenkova, Germany

Ekkart Kindler, Denmark
Jetty Kleijn, The Netherlands
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Olivier Roux, France
Arnaud Sangnier, France
Irina Virbitskaite, Russia
Matthias Weidlich, Germany
Karsten Wolf, Germany
Thanks to: Additional Reviewers

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Tiziana Cimoli
Leonardo Brenner
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Jorge Julvez
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Hanifa Boucheneb

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Rabah Ammour
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Sebastian Muskalla
Prakash Saivasan
Peter Chini
Philipp J. Meyer
Nataliya Gribovskaya
Thomas Brihaye
Anna Gogolinska
Petr Osicka
Dimitri Racordon
Note the error in the printed booklet (online is correct).