MOCA'01

Workshop on Modelling of Objects, Components, and Agents

Aarhus, Denmark, August, 27-28, 2001

organised by the "Coloured Petri Net" Group at the University of Aarhus and
the "Theoretical Foundations of Computer Science" Group at the University of Hamburg

Joint with CPN'01

Deadline for registration: **August 1, 2001**

Further information:
URL: http://www.daimi.au.dk/CPnets/workshop01/
E-mail: moca01@informatik.uni-hamburg.de

Objects, components, and agents are fundamental concepts to organise models and are often applied in the modelling process. Even though they are used in software engineering intensively, the relations and potential of mutually enhancements between Petri nets and the three paradigms have not been finally covered. The intention of this workshop is to bring together research and application directions to have a lively mutual exchange of ideas, knowledge, view points, and experiences.

The workshop takes place at the University of Aarhus, Denmark, and it is open for engineers, researchers and students at all levels. Aarhus is situated at the east coast of Jutland (the main land of Denmark). It is easily accessible by plane, train and car.

Programme

Monday, August 27

9.00-9.15: Welcome
Opening Session
Daniel Moldt

9.15-10.00
An Experiment with Coordinated Algebraic Petri Nets as Formalism for Modeling Mobile Agents
Jarle Hulaas and Didier Buchs

10.00-10.30: Coffee and Tea

10.30-12.00
Modeling State-Dependent Objects using Coloured Petri Nets
Robert G. Pettit and Hassan Gomaa

Petri Net Components
N. Sidorova and M. Voorhoeve and J.C.S.P. van der Woude

12.00-13.30: Lunch

13.30-14.30: Invited Talk
DAWN for Modelling and Verifying Multi-Agent Systems?
Ekkart Kindler

14.30-15.00: Coffee and Tea

15.00-17.00: Work in Progress
Participants who want to contribute to this session should send a short description of their talk to moca01@informatik.uni-hamburg.de as soon as possible (and no later than August 1). The intention is to have short oral presentations of ongoing work.

19.00-22.00: Workshop dinner

Tuesday, August 28

9.00-10.00: Invited Talk
Applications of Petri Nets in Modeling Distributed Software Systems
Guido Wirtz

10.00-10.30: Coffee and Tea

10.30-12.00
An Application of an Expressive Coloured Petri Nets Modeling Methodology to a Business to Business Environment
Juan Frausto and Francisco Camargo and Fernando Ramos

Steps Towards Formal Verification of Agent-based E-Business Applications
Nick Szirbik and Gerd Wagner

12.00-13.15: Lunch

13.15-14.45
Agent-Oriented Modeling of Distributed Systems with the Object Coordination net Approach
Holger Giese

Towards an Unified Approach for Modeling and Verification of Multi Agent Systems
Michael Köhler and Heiko Rölke

14.45-15.15: Coffee and Tea

15.15-16.00

Towards an Adequate Framework for Specifying and Validating Runtime Evolving Complex Discrete-event Systems
Nasreddine Aoumeur and Gunter Saake

16.00-17.00: Discussion
Petri Nets and Objects, Components, and Agents: How to integrate?

17.00-17.30: Closing Session

CPN'01: Joint Workshop

CPN'01,Third Workshop and Tutorial on Practical Use of Coloured Petri Nets and the CPN Tools, is also held at University of Aarhus, August 29-31, just after MOCA'01. For more information please refer to: CPN'01.

Programme Committee

Wil van der Aalst (The Netherlands), Ekkart Kindler (Germany), Remi Bastide (France), Gabriela Kotsis (Austria), Jonathan Billington (Australia), Fabrice Kordon (France), Didier Buchs (Switzerland), Charles Lakos (Australia), Henrik Bærbak Christensen (Denmark), Rainer Mackenthun (Germany), Jose-Manuel Colom (Spain), Daniel Moldt (Chair) (Germany), Jörg Desel (Germany), Kjeld Hoyer Mortensen (Denmark), Susanna Donatelli (Italy), Dan Simpson (UK), Nisse Husberg (Finland), Rüdiger Valk (Germany), and Tomas Vojnar (Czech Republic)

Location of Workshops

Both workshops take place at

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Department of Computer Science    Aabogade 34
University of Aarhus              DK-8200 Aarhus N
IT-parken                        Phone: +45 8942 5611
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This is the home of the CPN group and the rest of Experimental Computer Science at University of Aarhus. Please notice that the workshop site is located outside the University campus approx. 1 km from the other buildings of the Department of Computer Science. The entire department will move to this new location within the next 2-3 years.

Registration

To register please send an e-mail to CPNworkshop@daimi.au.dk, indicating the name, position, affiliation and e-mail address of the participant(s), and the workshop(s) in which you want to particpate. The deadline for registration is August 1, 2001.

- The fee for MOCA'01 is 1,000 DKK (or 140 EURO). This covers participation in the workshop, a copy of the proceedings, lunches, and a workshop dinner.

- The fee for CPN'01 is 1,500 DKK (or 210 EURO). This covers participation in the full workshop and tutorial programme, a copy of the proceedings, lunches and the workshop

dinner.

- Participants who register for both CPN'01 and MOCA'01 obtain a discount, so that the total fee becomes 2,250 DKK (or 310 EURO).

The fee is paid during the workshops. Unfortunately, we are not able to accept credit cards. Hence, you must pay by a check issued to the University of Aarhus (EURO or DKK) or pay in cash (only DKK).

Accommodation

Accommodation will primarily be at:

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Scandic Hotel Plaza      Phone:  +45 8732 0100
Banegaardspladsen 14     Fax:    +45 8732 0199
DK-8100  Aarhus C        E-mail: plaza.aarhus@scandic-hotels.com
Denmark                  URL:    http://www.scandic-hotels.com
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This is a nice old hotel located in the City Centre (200 m from the railway station and the airport bus terminals). The distance to the conference site is approx. 2 km, and can be reached by foot, bus or taxi.

- Single room, 735 DKK per night (approx. 100 EURO)

All rooms have their own bathroom and shower, and breakfast is included in the price. Bookings are made directly to the hotel. Please refer to "*Booking no.: 27250*". Payments are made directly to the hotel at departure. The hotel accepts major credit cards. We strongly recommend early booking. The sufficient number of rooms are guaranteed until August 1. After that you may need to find other hotels.

Less Expensive Accommodation

For students and others with limited fundings a small number of less expensive rooms will be available at PUC, which is the "Education Centre of the Press". It is not a real hotel and has limited services. The rooms are rather small - but otherwise very nice, and they are conveniently located less than 1 km from the conference site and approx. 1 km from the city centre.

- Single room with bath, 486 DKK pr night (or 67 EURO)
- Single room without bath, 375 DKK pr night (or 52 EURO)

Breakfast is **not** included in the price. Payment is made to the conference organisers during the workshop. Unfortunately, we are not able to accept credit cards. Hence, you must pay by a check issued to the University of Aarhus (EURO or DKK) or pay in cash (only DKK). There are several other events in Aarhus concurrently with the workshops, and hence we have not been able to make a pre-booking at PUC. For this reason we strongly recommend to book NOW. This is done by sending an e-mail to CPNworkshop@daimi.au.dk, specifying name, type of room, date of arrival and departure.

Another option is the local youth hostel. The rooms at the hostel are typically shared by 2-4 persons. If you are interested in such rooms please send an e-mail to CPNworkshop@daimi.au.dk as early as possible, specifying your particular requirements.