MARC Symposium 2012 - ONERA, Toulouse

Thursday July, 19th 2012:

09:00 - 09:45  Registration, Welcome coffee
09:45 - 10:00  Welcome speech
10:00 - 11:00  Keynote
Parallelisation of Hard Real-time Applications for Embedded Multi- and Many-cores,
Prof. Dr. Theo Ungerer
Chair of Systems and Networking
Dept. of Computer Science, University of Augsburg

11:30 - 13:00  Session I
Andreas Prell and Thomas Rauber: Go's Concurrency Constructs on the SCC
Vasil Slavov, Praveen Rao, Dinesh Barenkala and Srivenu Paturi: Performance of RDF Query Processing on the Intel SCC
Randolf Rotta, Thomas Prescher, Joerg Nolte and Jana Traue: Data Sharing Mechanisms for Parallel Graph Algorithms on the Intel SCC

13:00 - 14:00  Lunch

14:00 - 15:30  Session II
Steffen Christgau and Bettina Schnor: One-Sided Communication in RCKMPI for the Single-Chip Cloud Computer
Darko Petrovic, Omid Shahmirzadi, Thomas Ropars and Andre Schiper: Asynchronous Broadcast on the Intel SCC using Interrupts
Janmartin Jahn, Sebastian Kobbe, Santiago Pagani, Jian-Jia Chen and Jörg Henkel: Work in Progress: Malleable Software Pipelines for Efficient Many-core System Utilization

15:30 - 16:00  Coffee break

16:00 - 17:30  Session III
Hans Woithe, William Brozas, Christian Wills, Bharath Pichai, Ulrich Kremer, Mike Eichhorn, Michael Riepen: Enabling Computation Intensive Applications in Battery-Operated Cyber-Physical Systems
Jimi van der Woning and Roy Bakker: Interactive Visual Task Management on the 48-core Intel SCC
Patrick Cichowski, Jörg Keller and Christoph Kessler: Modelling Power Consumption of the Intel SCC

17:30 - 18:15  Program Comittee Meeting
19:30 - 22:00  Social Event

Friday July, 20th 2012:

09:00 - 10:30  Session IV
Bernhard Sputh, Andrew Lukin and Eric Verhulst: Transparent Programming of Many/Multi Cores with OpenComRTOS Comparing Intel 48-core SCC and TI 8-core TMS320C6678
Pablo Rebé, Jacek Galowicz, Stefan Lankes and Thomas Bemmer: Efficient Implementation of the bare-metal hypervisor MetalSVM for the SCC
Michael Ziwiński and Dennis Brylow: BareMichael: A Minimalistic Bare-metal Framework for the Intel SCC

10:30 - 11:00  Coffee break

11:00 - 12:00  Tutorial Session on baremetal programming on the SCC

End of MARC'ONERA'2012
General Information

The conference will take place at the Onera Toulouse Center:
2 Avenue Édouard Belin - 31000 Toulouse – Tél.: 33 (0)5 62 25 25 25

The 60 euros registration fee includes all taxes, access to all sessions, conference proceedings, lunch, coffee breaks and the symposium dinner.

**WIFI:**
Free wifi available during the conference. Access codes will be available at the registration desk.

**Access:**
From Blagnac Airport:
- Public transport Shuttle to the city center (every 20 minutes). Get off at "Compans-Caffarelli" or at "Jean Jaurès". Then Subway B (towards "Ramonville") up to "Faculté de Pharmacie". Then Bus n°68, 51 or 108 up to "CREPS".

From the Railway Station:
- Subway A "Marengo-SNCF" (towards "Basso Cambo") up to "Jean Jaures", then Subway B (towards "Ramonville") up to "Faculté de Pharmacie". Then Bus n°68, 51 or 108 up to "CREPS".

From Downtown:
- Subway B (towards "Ramonville") and get off at "Faculté de Pharmacie". Then Bus n°68, 51 or 108 up to stop station "CREPS".

By Ring Road:
- Exterior Ring Road: towards Montpellier, then towards Toulouse-Center / Foix-Tarbes. Exit number 20.
- West and Internal Ring Road: towards Montpellier. Exit number 20.

By taxi:
- Ask for "Complexe Scientifique de Rangueil", and for "ONERA". ONERA: 2 avenue Edouard Belin, on your right from the ring road.

Access to the symposium dinner:
The gala dinner will take place on Thursday 19th, evening.

**Departure:** Quai de la Daurade or Ponts-Jumeaux.
**Arrival:** Ponts-Jumeaux or Quai de la Daurade.

The starting point of the cruise will be communicated at the registration desk.

**Contact:**
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