

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 Spath, Andrew Lukin and Eric Verhulst: *Transparent Programming of Many/Multi Cores with OpenComRTOS Comparing Intel 48-core SCC and TI 8-core TMS320C6678*
Pablo Reble, Jacek Galowicz, Stefan Lankes and Thomas Bemmerl: *Efficient Implementation of the bare-metal hypervisor MetalSVM for the SCC*
Michael Ziwicki 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.

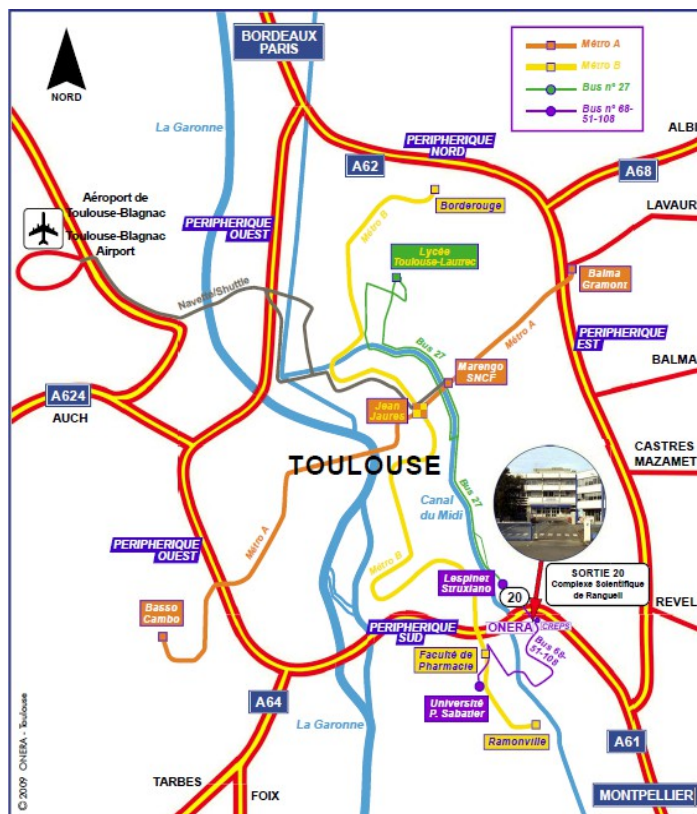
Departure: [Quai de la Daurade](#) or [Ponts-Jumeaux](#).

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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THE FRENCH AEROSPACE LAB