



MARC Symposium at ONERA'2012

July 19th-20th 2012

ONERA, Centre de Toulouse

ONERA

THE FRENCH AEROSPACE LAB

in collaboration with Intel Labs Braunschweig

In continuation of a successful series of events, a symposium of the Many-core Applications Research Community (MARC: <http://communities.intel.com/community/marc>) will take place at ONERA research center (<http://www.onera.fr/english.php>) in Toulouse (France) on July, 19th and 20th. Researchers from different fields will present their current and future work on many-core hardware architectures, their programming models, and the resulting research questions for the upcoming generation of heterogeneous parallel systems. Both MARC members and interested external organizations are invited to submit unpublished reports. While the Intel Single Chip Cloud Computer (SCC) serves as common research platform for most MARC members, other interesting research on next generation many-core platforms is also relevant for this event. Topics of interest include, but are not limited to:

- Operating system support for novel many-core architectures
- Virtualization solutions to deal with hardware limitations
- Dealing with legacy software on novel many-core architectures
- New approaches for leveraging on-die messaging facilities
- Traditional and new programming models for novel many-core hardware

This edition of the MARC symposium will give special attention to:

“bare metal programming on many-core”

All authors are invited to submit original and unpublished work as either regular papers (maximum 6 pages) for oral presentation or short papers (maximum 4 pages) for poster presentation. Papers describing work-in-progress are also welcome. Please use the IEEE document templates: Latex (<http://www.ieee.org/documents/IEEEtran.zip>), Word (<http://www.ieee.org/documents/TRANS-JOUR.doc>).

All accepted and presented submissions will be published on HAL: <http://hal.archives-ouvertes.fr/index.php?langue=en>. The copyright remains with the authors. Paper submission is possible through EasyChair: <http://www.easychair.org/conferences/?conf=marconera2012>.

More informatoins on the conference site: <http://sites.onera.fr/scc/marconera2012>.

The best papers will receive an award from Intel.

Important dates

Submission deadline : ~~April 15th~~ April 22nd
Notification of acceptance : ~~June 1st~~ June 5th
Registration deadline : June 15th
Camera-ready deadline : June 30th

General Chair : Pr. Frédéric Boniol, ONERA

Program Chair : Dr. Eric Noulard, ONERA

Program Committee

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- Dr. Vincent Vidal (ONERA)
- Rob F. Van Der Wijngaart (Intel Corp.)

In case of any questions, don't hesitate to contact Eric Noulard eric.noulard@onera.fr. See you all in Toulouse!