

Many-core Applications Research Community Symposium 2012

MARC 2012, Aachen, Germany, November 29th–30th 2012

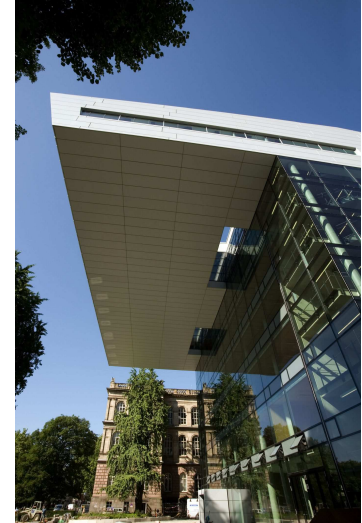
Organized in collaboration with the RWTH Aachen University and the RWTH International Academy



Call for Papers

In continuation of a successful series of events, the next symposium of the Many-core Applications Research Community (MARC) will take place at the RWTH Aachen University. On November 29th and 30th, 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Both MARC members and interested external organizations are invited to submit unpublished reports, both on work in process or new results regarding software for novel many-core hardware architectures. 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 (in particular the forthcoming Intel Many Integrated Core (MIC) platform) is also relevant for this event.



Symposium Topics

Topics of interest included, 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
- Experiences porting, running, or developing applications
- Traditional and new programming models for novel many-core hardware
- Power-aware many-core computing

Schedule and Submission Procedure

All authors are invited to submit innovative 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 available on the conference web site. All accepted and presented submissions will be published online and will presumably be assigned with ISBN and URN for making them referenceable and visible to an even wider audience. The copyright remains with the authors. Paper submission is possible through EasyChair.

Submission deadline: ~~September 30th 2012~~ **October 14th 2012**

Notification of acceptance: November 5th 2012

Registration deadline: November 18th 2012

Camera-ready deadline: November 18th 2012

The best papers will receive an **award from Intel**.

Email: marc2012@easychair.org

URL: <http://www.marc2012.de> EasyChair: <http://www.easychair.org/conferences/?conf=marc2012>

Symposiums Chairs

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