

CALL FOR POSTERS



DATE'16 Friday Workshop

March 18, 2016, Dresden, Germany

First Workshop on Resource Awareness and Application Autotuning in Adaptive and Heterogeneous Computing (ReS4AnT)

res4ant.deib.polimi.it

Adaptive and heterogeneous computing platforms are gaining interest for applications spanning from embedded to high performance computing due to their promising power/performance ratio. However, sharing hardware resources creates some challenges with respect to predictable execution time and power consumption. In traditional real-time approaches, resource usage is over dimensioned to achieve worst case guarantees, whereas in best effort approaches, predictability remains a challenge. The goal of the workshop is to bring together researchers from the area of resource awareness and application autotuning, to discuss their various approaches, their commonalities and differences, to foster collaboration between them and to share their most recent research achievements with the international research community.

TOPIC AREAS

- **Architectures:** on architectural mechanism for adaptive and heterogeneous computing.
- **Resource awareness:** on resource management and awareness for parallel computing.
- **Autotuning:** on application autotuning mechanisms for parallel computing.
- **Applications:** on the analysis, development, modification and integration of applications in the embedded and high performance computing domains.

ORGANIZATION

General Co-Chairs:	Cristina Silvano, Politecnico di Milano, Italy Walter Stechele, TU Munich, Germany Stephan Wong, TU Delft, The Netherlands
Poster Session Chair:	Jeronimo Castrillon, TU Dresden, Germany
Panel Session Chair:	Michael Hübner, Ruhr-Universität Bochum, Germany
Web Chair:	Amir H. Ashouri, Politecnico di Milano, Italy

POSTERS SUBMISSION INSTRUCTIONS

We invite posters on the aforementioned topics of interest. In addition to the poster sessions, there will be a short presentation slot for introducing the posters during the workshop. Poster submission should be a 2-page double-column extended abstract including figures. The submission should clearly specify the relation to the topics addressed in the workshop. A workshop digest based upon the extended abstract will be distributed to all participants of the workshop. Note that the posters presented at the DATE workshops are NOT disseminated through the official DATE proceedings or through any other formal channels, such as, for example, the IEEEExplore or the ACM Digital Library. **Posters will be published online at the Workshop web site.**

Posters submission deadline: January 15, 2016.

Notification of acceptance: February 15, 2016.

Posters submission web site will be opened from **December 1, 2015** and linked from the Workshop web site.