

Press release
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PRACE Award 2010 Winners Announced

PRACE, Partnership for Advanced Computing in Europe, awards a prize for an outstanding scientific paper submitted to ISC'10 by a European student or young scientist on petascaling. The PRACE Award will be presented for a third time at the ISC'10 in Hamburg, Germany.

The PRACE Award 2010 winners are **Klaus Iglberger**, M. Sc. and Prof. **Ulrich Rüde** from the University of Erlangen-Nuremberg, Germany. Their paper "*Massively Parallel Granular Flow Simulations with Non-Spherical Particles*" was declared as the winning paper among the excellent submissions.

The PRACE Award drew a submission of 21 papers. The winner was selected by the ISC Award Committee, led by Prof. **Michael Resch**, Director of HLRS.

"The paper proposed by Iglberger and Rüde addresses successfully the issue of simulating flows of granular materials in a realistic way, that is with particles of different shapes moving in a complex environment. It introduces a new algorithm for this purpose that shows an excellent scalability on a very high number of cores, making possible very large simulations that will be useful in important applications like the design of silos", says the leader of PRACE work package "Petaflop/s Systems for 2009/2010" **François Robin** (GENCI), member of the ISC Award Committee.

"Among the very good papers submitted for the PRACE Award 2010, this paper was the best both addressing a complex physical problem and implementation of a highly scalable method for solving it", Robin continues.

The prize will be presented at the opening session of ISC'10 on Monday, May 31 in Hamburg, Germany. The much-anticipated TOP500 list of the fastest supercomputers in the world will be released at the same session.

The authors of the PRACE Award winning paper have the opportunity to give a keynote talk on their work at the ISC'10 Scientific Sessions on Monday, May 31, 2010. The winners will receive a PRACE sponsorship for the participation in a training event or a conference relevant to petascale computing.

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About PRACE: The Partnership for Advanced Computing in Europe (PRACE) prepares the creation of a persistent pan-European HPC service, consisting of several tier-0 centres providing European researchers with access to capability computers and forming the top level of the European HPC ecosystem. PRACE is a project funded in part by the EU's 7th Framework Programme. The PRACE project receives funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° RI-211528.