

Press release: PRACE Award Presented to Young Scientist at ISC'08
For release: Wednesday 18 June, 2008 right after the ISC'08 opening ceremony

PRACE Award Presented to Young Scientist at ISC'08

PRACE, Partnership for Advanced Computing in Europe, awarded a prize for the best scientific paper submitted to ISC'08 by a European student or young scientist on petascaling.

The authors of the award winning paper are Stefan Turek, Dominik Göddeke, Christian Becker, Sven H.M. Buijssen and Hilmar Wobker from the Institute of Applied Mathematics, Dortmund University of Technology, Germany.

Their work, *UCHPC – UnConventional High Performance Computing for Finite Element Simulations*, was selected by the ISC'08 Award Committee, headed by Michael Resch, High Performance Computing Center Stuttgart. Achim Bachem, Chairman of the Board Forschungszentrum Jülich and PRACE coordinator presented the PRACE Award at the ISC'08 opening ceremony in Dresden on Wednesday, 18 June. Dominik Göddeke, Ph.D. student in the team of Professor Stefan Turek will receive a sponsorship for the participation in a conference relevant to Petascale computing.

Professor Turek and his team conduct research in numerical methods for Partial Differential Equations, with applications in engineering- and life-sciences such as fluid-structure interaction, multiphase fluidics and hemodynamics. To accomplish complex simulations, special hardware-oriented numerical techniques are developed, for instance the use of unconventional hardware like graphics processors known from computer games.

This is the first time the prize is awarded. The PRACE Award will be continued in the years to come to encourage young European scientists to work on innovative solutions for Petascale computing.

The winning paper may be found at:

http://www.mathematik.tu-dortmund.de/lsiii/static/showpdf/turek_goeddeke_becker_buijssen_wobker_2008.pdf

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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.

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