

JSCNews

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PRACE Early Access Call

Starting on 1 August 2010, the Partnership for Advanced Computing in Europe (PRACE) will offer supercomputer resources on the highest level (Tier-0) to European researchers. The German partner in PRACE is the Gauss Centre for Supercomputing (GCS) – an alliance of the three national supercomputing centres in Garching (LRZ), Jülich (JSC) and Stuttgart (HLRS). Jülich, as a member of GCS and involved in shaping PRACE as well as hosting the only European Tier-0 supercomputer currently available, will dedicate a 35% share of the IBM Blue Gene/P system JUGENE to PRACE within the framework of its commitments.

An early access call for proposals was released by PRACE on 10 May 2010 and will be open until 10 June 2010. For full details of the call see <http://www.fz-juelich.de/jsc/news/prace-call>.

The PRACE peer review process for the proposals is headed by Prof Richard Kenway, EPCC. Jülich invites all interested scientists to participate in this call provided they can meet scientific and technical criteria. The first regular PRACE call for proposals is scheduled for the second half of June 2010 and will be announced separately in due time.

(Contact: SC-support, sc@fz-juelich.de)

JSC @ ISC10

The International Supercomputing Conference will take place at the Congress Center

Hamburg from 30 May to 3 June 2010. JSC will present its wide-ranging supercomputing activities (booth #132), in close collaboration with its partners in the Gauss Centre for Supercomputing (GCS) and the Gauss Alliance. Jülich will showcase its petaflop supercomputer JUGENE, the cluster supercomputer JUROPA, and JSC's involvement in future architecture research, most notably the QPACE project – a collaboration with DESY, several European universities, and industry. During the conference, Dr. Bernd Mohr (JSC) will present a "Crash Course on High Performance Computing". JSC staff will also be present at the PRACE (#125) and UNICORE (#122) booths. Do pay us a visit if you plan to attend the conference! For up-to-date information on JSC activities at ISC10 see:

<http://www.fz-juelich.de/jsc/news/isc10>
(Contact: Dr. Walter Nadler, ext. 2324)

News from NIC Scientific Council

The NIC Scientific Council held its annual meeting in April. Prof. Juan Carlos Cuevas (Universidad Autonoma de Madrid), Prof. Uwe-Jens Wiese (University of Bern), and Dr. Hubert Simma (DESY Zeuthen) were elected as new members. Since Prof. Dietrich Wolf (University of Duisburg-Essen) will step down as Deputy Chairman at the end of this year, Prof. Kurt Binder from the Johannes Gutenberg University Mainz was elected new Deputy Chairman.

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NIC Excellence Project 2010

At its meeting in April, the NIC Peer Review Board decided to once again recognize an outstanding simulation project by awarding it the title of NIC Excellence Project. The project receiving the distinction this year comes from the field of condensed matter physics, "Quantum Monte Carlo Studies of Strongly Correlated Systems", submitted by Alejandro Muramatsu, University of Stuttgart. The project deals with simulating correlated electrons in solid-state systems and ultracold atoms and molecules in optical lattices. Such systems are of fundamental interest in condensed matter physics because of the possibility of new emergent phenomena due to interactions.

(Contact: Dr. Walter Nadler, ext. 2324)

Successful UNICORE Summit 2010

The 6th UNICORE Summit took place on 18 - 19 May 2010 at JSC. The UNICORE Summit represents a unique meeting-place for UNICORE users, developers, administrators, researchers, service providers, and decision-makers. Over 40 participants shared their experiences with UNICORE, presented their own developments and discussed new ideas for interesting and fruitful collaborations.

Prof. Geerd-Rüdiger Hoffmann from DWD opened the event with a historical overview about the beginnings of UNICORE more than 12 years ago. The invited talk about EMI – The European Middleware Initiative – was given by Dr. Alberto Di Meglio (CERN), project director of EMI. The technical part consisted of 10 presentations and 7 demonstrations. The detailed programme and all presentations can be found in pdf form at: <http://www.unicore.eu/summit/2010>

(Contact: Dr. Achim Streit, ext. 6576)

New Board of the UNICORE Forum e.V. Elected

On 17 May 2010, a new board of the UNICORE Forum e.V. was elected by its members at their 23rd general meeting that took place at JSC. Prof. Hoffmann (DWD - Deutscher Wetterdienst) no longer stood as a candidate for the chairman of the board since he will be retiring this summer. The members thanked Prof. Hoffmann for his work over the last 10 years for the UNICORE Forum e.V.

Dr. Achim Streit (former secretary of the board) from JSC was elected new chairman of the board. As the new secretary the members elected Dr. Ralph Müller-Pfefferkorn from Dresden University of Technology. Dr. Alfred Geiger from T-Systems SfR remains the member at large and Dr. Thomas Schoenemeyer (NEC Deutschland GmbH) was re-elected treasurer of the UNICORE Forum e.V. More information

about the UNICORE Forum e.V. can be found at:

<http://www.unicore.eu/forum>

(Contact: Dr. Achim Streit, ext. 6576)

Achim Streit Appointed Professor at Karlsruhe Institute of Technology

After joining JSC in January 2005 as a scientist, Achim Streit became head of the division of "Distributed Systems and Grid Computing" in July 2005. Since then, his division has been extremely successful in acquiring numerous EU- and BMBF-funded R&D projects and has grown from 8 members of staff at the beginning to 17 at present. His division is a major development partner for UNICORE Grid Technology in the international UNICORE community.

On 1 July 2010, Achim Streit will take up his new position as W3 professor for "Distributed and Parallel High-Performance Systems" at the Karlsruhe Institute of Technology (KIT) and at the same time will become a Director at the Steinbuch Centre for Computing (SCC) at KIT. KIT is the result of a merger between Forschungszentrum Karlsruhe and the University of Karlsruhe; SCC was established by the merger of the University Computing Centre and the Institute for Scientific Computing at Forschungszentrum Karlsruhe. In his new position, Achim Streit will be responsible for all activities in the Helmholtz Programme "Supercomputing" at KIT, including all Grid- and Cloud-related activities at SCC.

JSC congratulates Achim on his new position and wishes him all the best in Karlsruhe!

Events

Workshop "Open LUSTRE-for-LINUX"

Date: 25 - 26 May 2010

Venue: Rotunda, Jülich Supercomputing Centre

<http://www.fz-juelich.de/jsc/events/offl>

Jülich-Chernogolovka Seminar

Topic: Quantum Computing

Date: 26 May 2010, 14:00

Venue: Hörsaal, Jülich Supercomputing Centre

<http://www.fz-juelich.de/jsc/events/jch-seminar>

1st SimLab Porting Workshop

Date: 9 - 11 June 2010

Venue: Rotunda, Jülich Supercomputing Centre

<http://www.fz-juelich.de/jsc/simlab-porting-workshop>

If you would like to receive regular information on our events, please send an e-mail to jsc-events-join@fz-juelich.de.

Further events, talks, and training courses:

JSC: <http://www.fz-juelich.de/jsc/news/calendar>