

## JSCNews

Jülich  
Supercomputing  
Centre

No. 204 • May 2012

### Wolfgang Gürich Retires

Having worked for nearly 33 years at the institute, Wolfgang Gürich retired at the end of April 2012. In 1979, he started at the Central Institute for Applied Mathematics as a young scientist working on performance measurement and analysis for mainframe computers. From 1983 to 1991, he was coordinator for the education of mathematical-technical assistants. He then took over as head of the division "Technical Operations" – and later "Technology" – and was responsible for the operation of the IT equipment and the technical management of the supercomputer facility. Since December 2008, he has been deputy director of JSC, managing among other things the institute's finances and coordinating the procurement of supercomputers.

On 25 April 2012, the institute honoured Wolfgang Gürich and his work with a festive colloquium "HPC technology for science". Four talks highlighted his professional life and showed some aspects of IT technology and the close connection between Forschungszentrum Jülich and the Intel Corporation. At the reception after the colloquium, the JSC staff paid tribute to Wolfgang in a photo session with humorous pictures from his long career at the institute. JSC wishes Wolfgang Gürich all the best for his retirement!

The position of deputy director of JSC has been taken over by Dr. Norbert Attig. (Contact: Dr. Sabine Höfler-Thierfeldt, [s.hoefler-thierfeldt@fz-juelich.de](mailto:s.hoefler-thierfeldt@fz-juelich.de))

### GCS Large-Scale Project at JSC

Twice a year, the Gauss Centre for Supercomputing (GCS) issues a call for large-scale projects on its petascale supercomputers JUGENE (JSC), HERMIT (HLRS), and SuperMUC (LRZ). Projects are classified as "large-scale", if they require more than 5 % of the available CPU cycles. This time around, the status of a large-scale project on JUGENE was awarded to a project submitted by Prof. Jochen Fröhlich, Technical University Dresden, which was granted 24 rack months. It aims to understand turbulence-induced erosion and the transport of sediment particles in water. For more details on this project and on projects at HERMIT and SuperMUC, see <http://www.gauss-centre.eu/gauss-projects/>.

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### News from the Campus Network JuNet

In April 2012, JSC took over all remaining tasks previously assigned to the Central Institute for Electronics (ZEL) associated with the operation of the campus network JuNet. JSC is now solely responsible for its planning, deployment, and operation. Building and backbone cabling remains the remit of the technical infrastructure division Building and Property Management (G). Since the introduction of the structured, switch-based Ethernet infrastructure in 1999, JSC, ZEL,

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and G have jointly operated JuNet. While JSC was in charge of the planning, sourcing and monitoring of the campus network, ZEL's main responsibility was the operation of the switch hardware at the Jülich campus and the 10Base2 (Coax) infrastructure. In the first quarter of this year, the last 10Base2 network segments were decommissioned, and ZEL withdrew from JuNet operation. We wish to thank the ZEL network team led by Hans Stoff for many years of successful close collaboration.

The transition is largely transparent for users. The most noticeable change is that JSC's on-call network analyst can now be contacted at any time (24/7) using the phone number 6440. Furthermore, the use of the online system for requesting the connection of systems to JuNet, introduced in May 2010, is now mandatory, see <https://junet-portal.fz-juelich.de/verkabelung>. (Contact: Dr. Frank Mohr, [f.mohr@fz-juelich.de](mailto:f.mohr@fz-juelich.de)).

## News from the NIC Scientific Council

The Scientific Council of the John von Neumann Institute for Computing (NIC) held its annual meeting on 19 April 2012 at DESY in Zeuthen. Prof. Kurt Binder, chairman of the NIC-SC since January, chaired the meeting. Prof. Guy Brasseur, director of the Climate Service Center, was elected as a new member and will begin his term in January 2013. Several new members were also elected to the NIC Peer Review Board: Prof. Nikolaus A. Adams (Technical University Munich), Prof. Frithjof Anders (Technical University Dortmund), and Prof. K. Helmut Grubmüller (Max Planck Institute for Biophysical Chemistry, Göttingen). They will begin their term of office at the next meeting of the Peer Review Board in October.

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## NIC Excellence Projects 2012

At its meeting on 20 April 2012 at DESY in Zeuthen, the NIC Peer Review Board decided to honour two outstanding simulation projects by awarding them the title of a NIC Excellence Project. "The Small Scale Structure of the Universe" submitted by Dr. Stefan Gottlöber, Leibniz-Institut für Astrophysik (AIP) Potsdam, aims to perform high-resolution cosmological simulations in order to understand the formation and evolution of Milky Way-sized galaxies and their satellites. "Numerical simulations of strongly correlated electron systems" submitted by Prof. Fakher Assaad, University of Würzburg, has the goal of understanding collective emergent phenomena in a variety of setups where topological invariants play a major role, ranging from correlation effects in quantum spin Hall states to the dimensionality-driven insulator-metal transition. For more details, see

<http://www2.fz-juelich.de/nic/Projekte/exzellenz-2012.html>  
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## UNICORE Summit 2012

The 8th UNICORE Summit will take place at Technical University Dresden from 30 to 31 May 2012. The UNICORE Summit provides a unique opportunity for UNICORE users, developers, administrators, researchers, service providers and decision-makers to share information and discuss new ideas and concepts. Keynotes will illustrate UNICORE deployments in US and European infrastructures. The programme and more information are available at <http://www.unicore.eu/summit/2012>.

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## JSC @ ISC'12

The International Supercomputing Conference ISC'12 will take place from 17 June to 21 June 2012. JSC, together with its partners in the Gauss Centre for Supercomputing (GCS), LRZ (Garching) and HLRS (Stuttgart), will present its wide-ranging supercomputing activities at the new GCS booth #150.

In particular, JSC will showcase LLview, the in-house developed comprehensive interactive monitoring software for supercomputers, demonstrating live the operation of various supercomputers worldwide. A wide spectrum of scientific results obtained with its supercomputers JUGENE and JUROPA will be exhibited in 2D and 3D presentation videos and animations. JSC staff will give several talks and tutorials and will also be present at the PRACE (#134) and the UNICORE (#135) booths. Detailed information about JSC's participation can be found at <http://www.fz-juelich.de/ias/jsc/events/isc12>.

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## Current Calls for Computing Time Proposals

### 5th PRACE and DECI Call

Resources: PRACE Tier-1 and Tier-0 supercomputers

Eligible: researchers from Europe (Tier-1) or worldwide (Tier-0)

Allocation period: one year starting 1 November 2012

Submission deadline: 30 May 2012

Info: <http://prace-ri.eu/Call-for-proposals-for-5th-PRACE>

## Events

### Introduction to programming and using the supercomputer resources at Jülich

Speakers: Representatives of IBM, Intel and ParTec, JSC staff members

Date: 21-22 May 2012, beginning on 21 May, 13:00

Venue: Hörsaal, Jülich Supercomputing Centre

Registration: [E.Bielitza@fz-juelich.de](mailto:E.Bielitza@fz-juelich.de), ext. 5642

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