50 Jahre Zukunft

GESUNDHEIT INFORMATION UMWELT ENERGIE

Invitation to our expert chats at 10 o'clock

Monday, Tuesday, Wednesday

Supercomputing – Key technology for the 21st century

Simulation on computers has become the third pillar of the sciences alongside experiment and theory. During ESOF, Forschungszentrum Jülich will demonstrate at its booth (no. 3; in front of main lecture hall), the role that supercomputers will play in the future development of all the sciences and how simulation tools are intensively and broadly used on one of the fastest computers in the world, the Jülich Blue Gene JUBL : online, interactive and live.
Every day at 10 o'clock, experts from different fields will demonstrate their use of supercomputing and discuss its enormous potential with you.

Monday, July 17th, 10 o'clock, booth 3:

The origin of matter

Why we exist.
Prof. Dr. Zoltan **Fodor**, particle and astrophysicist at Universität Wuppertal, will explain how supercomputers allow us to see matter that existed 14 billion years ago.

Tuesday, July 18th, 10 o'clock, booth 3:

Tool and topic

The role of supercomputers for the sciences in Europe.
Prof. Dr. Dr. Thomas **Lippert**, head of the Jülich Centre of Supercomputing, will give an insight to the perspectives of computational science and scientific computing.

Wednesday, July 19th, 10 o'clock, booth 3:

From atoms to bits

Giant data storages of the future.
Prof. Dr. Stefan **Blügel**, material scientist at Forschungszentrum Jülich, will show how supercomputers boost our knowledge of atomic and magnetic structures.

For more information call A. Lindner, 0160 / 9723 4213

Forschungszentrum Jülich
in der Helmholtz-Gemeinschaft

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