

Details about the Competence Centre can be found under:

<https://www.lrz.de/forschung/projekte/forschung-hpc/CzeBaCCA/>

We are looking forward to welcoming you to our future workshops at IT4Innovations and LRZ!



Funded by:



Federal Ministry of Education and Research



DLR Project Management Agency



Czech-Bavarian Competence Centre for Supercomputing Applications

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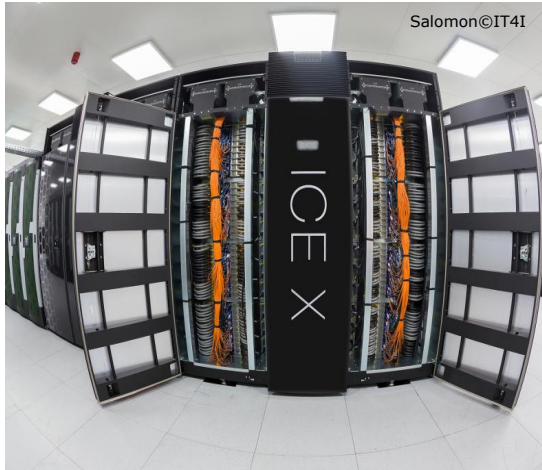
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To foster the Czech-German collaboration in high performance computing, the Leibniz Supercomputing Centre (LRZ), the Department of Informatics of the Technical University of Munich (TUM) and the National Supercomputing Centre of the Czech Republic (IT4Innovations) joined forces and established the Czech-Bavarian Competence Centre for Supercomputing Applications. IT4Innovations is hosting Salomon, one of the largest supercomputers based on the Intel MIC (Many Integrated Core) architecture in Europe, LRZ and TUM have long-term experience with operating and programming such systems efficiently. The aim of the initiative is threefold:

- to establish well-trained supercomputing communities,
- to improve simulation software,
- to foster the Czech-German collaboration in simulation supercomputing.

Besides a joint research program around simulation software and tools for Salomon, one of the main objectives of the new Competence Centre is to organize a series of scientific workshops and Intel MIC architecture specific trainings. Topics:

- seismic simulations, atmosphere modelling, water and air related environmental hazards & hazard assessment and disaster mitigation,
- demands and desired features of future simulation software,
- parallelization for current and novel HPC platforms,
- establishing scalable simulation workflows,
- Intel MIC programming and optimization,
- experiences and best practices on Intel MIC based systems in Europe.

Workshop-Program 2016/2017

Intel MIC Programming Workshop

3 – 4 February 2016, Ostrava, Czech Republic

Scientific Workshop:

SeisMIC - Seismic Simulation on Current and Future Supercomputers

5 February 2016, Ostrava, Czech Republic

Intel MIC Programming Workshop

27 – 29 June 2016, Garching, Germany

Scientific Workshop:

High Performance Computing for Water Related Hazards

29 June – 1 July 2016, Garching, Germany

Intel MIC Programming Workshop

7 – 8 February 2017, Ostrava, Czech Republic

Scientific Workshop:

High performance computing in atmosphere modelling and air related environmental hazards

9 – 10 February 2017, Ostrava, Czech Republic

Intel MIC Programming Workshop

26 – 28 June 2017, Garching, Germany

Scientific Workshop: HPC for natural hazard assessment and disaster mitigation

28 – 30 June 2017, Garching, Germany



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