

Reykjavík, Iceland 1-3 June, 2015



# International Conference on Computational Science

### **Scientific Chairs**

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### Jack Dongarra

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Reykjavík University, Iceland

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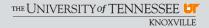
Reykjavík University, Iceland

### **Organizers**





Universiteit van Amsterdam



### Corporate Supporters





## "Computational Science at the Gates of Nature"

The 15<sup>th</sup> International Conference on Computational Science (ICCS 2015) will take place in Reykjavík, Iceland, at Reykjavík University on June 1-3, 2015. With an average attendance of 350 participants, an excellent lineup of keynote speakers and over 20 thematic workshops, ICCS is the prime annual event in Computational Science, bringing together researchers and scientists from academics and industry.

The theme for ICCS 2015 not only marks the crucial role of Computational Science in tackling the myriad problems and applications within natural systems but also refers to Iceland's stunning nature and inspiring culture. Reykjavík University, located in the heart of Iceland's capital, is a dynamic international university with state-of-the-art facilities and will be a proud host for ICCS 2015.

We invite original contributions on all topics related to Computational Science, including, but not limited to:

- Scientific Computing
- Problem Solving Environments
- Advanced Numerical Algorithms
- Complex Systems: Modeling and Simulation
- Hybrid Computational Methods
- Web- and Grid-based Simulation and Computin
- Parallel and Distributed Computing
- Advanced Computing Architectures and New **Programming Models**
- Large Scale Scientific Instruments

- Visualization and Virtual Reality as Applied to Computational Science
- Applications of Computation as a Scientific Paradigm • New Algorithmic Approaches to
- Computational Kernels and Applications
- Computational Humanities
- Education in Computational Science
- Computational Sociology
- Medical and Biomedical Computational Science

#### PAPER SUBMISSION, PUBLICATIONS AND INDEXATION

The deadline for full paper submission is **December 15, 2014**.

All accepted papers will be published in the open-access Procedia Computer Science and indexed by Scopus, ScienceDirect and Thomson Reuters Conference Proceedings Citation (former ISI Proceedings) - an integrated index within Web of Science. After the conference, selected papers will be invited for a special issue of the Journal of Computational Science (Impact Factor 1.567).

#### KEYNOTE SPEAKERS

ICCS' keynote speaker lineup is always one the event's highlights. Confirmed so far:

David Abramson, The University of Queensland, Australia

Tim Cornwell, Square Kilometre Array Telescope (SKA), UK

Petros Koumoutsakos, Swiss Federal Institute of Technology Zurich, Switzerland

J. Stephen Lansing, Nanyang Technological University, Singapore Xin-She Yang, Middlesex University London, UK

### IMPORTANT DEADLINES

Full paper submission
Notification of paper acceptance February 15, 2015
Camera-ready paper submissionMarch 2, 2015

