

# ICCS 2015

Reykjavík, Iceland

1-3 June, 2015



## International Conference on Computational Science

### Scientific Chairs

**Peter Sloot**

University of Amsterdam, The Netherlands  
ITMO University, Russia  
NTU, Singapore

**Jack Dongarra**

University of Tennessee, USA  
Oak Ridge National Laboratory, USA  
University of Manchester, UK

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**Michael Lees**

University of Amsterdam, The Netherlands

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**Valeria Krzhizhanovskaya**

University of Amsterdam, The Netherlands  
St. Petersburg Polytechnic University and  
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### Local Chairs

**Slawomir Koziel**

Reykjavik University, Iceland

**Leifur Leifsson**

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### Organizers



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### “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 Reykjavik 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 Computing
- 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..... December 15, 2014  
 Notification of paper acceptance..... February 15, 2015  
 Camera-ready paper submission..... March 2, 2015

