About

The 16th conference on Computational Methods in Systems Biology (CMSB 2018) takes place on the 12th to 14th September 2018 in Brno, Czech Republic. It is hosted at Faculty of Informatics, Masaryk University. It brings together researchers from across biological, mathematical, computational, and physical sciences who are interested in the study, modelling, simulation, advanced analysis, and design of biological systems. Selected high-quality original contributions target the following topics:

- formalisms for modelling biological processes
- models, methods, tools, and their applications
- frameworks for model verification, validation, analysis, and simulation of biological systems
- high-performance methods for computational systems biology
- parameter and model inference from data
- automated parameter and model synthesis
- model integration and biological databases
- multi-scale modelling and analysis methods
- design, analysis, and verification methods for synthetic biology
- methods for biomolecular computing and engineered molecular devices

Organisation

PC co-chairs
Milan Češka, Brno University of Technology (CZ)
David Šafářek, Masaryk University (CZ)

Tool Track Chair
Samuel Pastva, Masaryk University (CZ)

Local Organisation Chair
David Šafářek, Masaryk University (CZ)

Invited Speakers

Ilka M. Axmann
Heinrich Heine University Düsseldorf, DE
What time is it?

Mustafa Khammash
ETH Zurich, CH
Biomolecular Control Systems

Chris J. Myers
University of Utah, US
A Standard-Enabled Workflow for Synthetic Biology

Andrew Phillips
Microsoft Research, UK
Programming Languages for Molecular and Genetic Devices

Andrew Turberfield
University of Oxford, UK
Modelling Biomimetic Structures and Machinery Using DNA

Registration

Registration can be done via the conference website: http://cmsb2018.fi.muni.cz

Early registration deadline: 31st August