

September 12-14, 2018, Brno, Czech Republic (cmsb2018.fi.muni.cz)

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 Šafránek, Masaryk University (CZ)

Tool Track Chair

Samuel Pastva, Masaryk University (CZ)

Local Organisation Chair

David Šafránek, Masaryk University (CZ)

Invited Speakers



Ilka M. Axmann

Heinrich Heine University Düsseldorf, DE

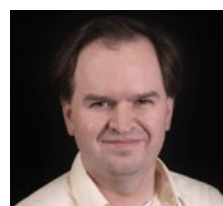
What time is it?



Mustafa Khammash

ETH Zurich, CH

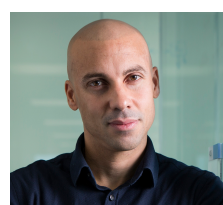
Biomolecular Control Systems



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