

IFAC FOSBE 2016
October 9-12, 2016, Magdeburg

Dear Colleagues,

On behalf of the organizing committee, we are pleased to invite you to submit papers and proposals for invited sessions to the 6th International Conference on Foundations of Systems Biology in Engineering (FOSBE 2016) which will take place in the historical city of Magdeburg, Germany, October 9-12, 2016.

Computational and engineering methods are at the core of systems biology, synthetic biology and systems medicine. The integration of quantitative data from a variety of sources together with model inference and analysis techniques as well as control theory have proven valuable to decipher biological systems ranging from intracellular mechanisms to human disease.

FOSBE aims at stimulating discussion and fostering collaborations among scientists, from method to theory oriented engineers to experimental and theoretical biologists, interested in or working on systems thinking applied to life sciences. Major conference topics are:

- Modelling of complex biological systems
- Multiscale and multiomics data integration and modelling
- Network interference and modeling (signaling, regulation, metabolic)
- Analysis and modeling of stochastic and heterogeneous systems,
- Dynamics and control of biological systems
- Design and control of synthetic biological systems and circuits
- Systems biology for (red, green, blue and white) biotechnology
- Systems medicine
- Synthetic biology
- Next generation methods and tools for systems and synthetic biology

MAGDEBURG

FOSBE 2016 will take place in the historical city of Magdeburg, Germany, at the Elbe river. Magdeburg and the federal state of Saxony-Anhalt have many historical sights to visit. It is often called the birth cradle of German history and culture.

For detailed information about the 6th FOSBE, visit <http://www.fosbe2016.ovgu.de>.

Deadlines

Invited session proposals	11 MAR 2016
Regular & invited papers, workshop proposals	20 MAR 2016
Abstracts contributions	15 JUN 2016
Acceptance notification	30 JUN 2016
Final contributions	15 JUL 2016

Rolf Findeisen (NOC Chair) Eva Balsa-Canto (IPC Chair)
Thomas Eißing (NOC Industrial Co-Chair), Kristel Bernaerts (IPC Co-Chair)
Conference Website:
<http://www.fosbe2016.ovgu.de>.

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