

German-Russian Science Forum

Brain Science and the Next Generation of Artificial Intelligence

10 December 2019, 14.00 - 20.30

Lomonosov Moscow State University, *Lomonosovsky prospect 27 bld. 4*

The original aim of artificial intelligence was to reproduce the principles of human intelligence. However, current technologies of artificial intelligence are based on neuroscience knowledge, which was developed more than 50 years ago. Today the human brain is still the best of intellectual devices, and even a small fraction of its abilities, embodied in artificial intelligence, can radically transform industry, economy and society. Such transformation requires joint efforts of neuroscience and AI communities. At the present Science Forum, leading scientists from Germany and Russia, engaged in brain research and the development of new approaches in the field of artificial intelligence, will share their experience and insights regarding these issues and the prospects for developing a new generation of artificial intelligence.

14.00 Welcome remarks

- **Andrey Fedyanin**, Vice-Rector, Lomonosov Moscow State University
- **Beate Grzeski**, Deputy Head of Mission, German Embassy Moscow
- **Andreas Hoeschen**, Director, German Centre for Research and Innovation (DWIH) in Moscow

Keynote lectures

- 14.30** **Katrin Amunts**, Director of the Institute Structural and functional organization of the brain, Jülich Research Centre, Scientific Director of the Human Brain Project (HBP) Flagship
- 15.00** **Thomas Lippert**, Director of the Institute for Advanced Simulation, Head of Jülich Supercomputing Centre, Jülich Research Centre
- 15.30** **Konstantin Anokhin**, Director of the Institute for Advanced Brain Studies, Lomonosov Moscow State University
- 16.00** **Ivan Oseledets**, Associate Professor, Leader of the Scientific Computing Group, Skolkovo Institute of Science and Technology (Skoltech)

16.30 Coffee break

17.00 Panel Discussion „Prospects for Neuromorphic Intelligence”

- **Onur Güntürkün**, Biopsychology, Faculty of Psychology, Ruhr-Universität Bochum
- **Pavel Balaban**, Head of the Laboratory of Cellular Neurobiology of Learning, Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Sciences
- **Tim Landgraf**, Dahlem Center for Machine Learning and Robotics (DCMLR), Institute for Informatics, Freie Universität Berlin
- **Anton Konushin**, Associate Professor, Lomonosov Moscow State University; Lab Leader, Samsung AI Center Moscow
- **Arno Villringer**, Director of the Department for Neurology, Max-Planck-Institute for Human Cognitive and Brain Sciences
- **Vladimir Mironov**, Chair, Department of Ontology and Epistemology, Lomonosov Moscow State University

18.30 – 20.30 Networking reception