

GraphHPC-2018

March 1, 2018, Moscow

9:30–10:00	Registration. Welcome Coffee
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10:00–10:15	Opening of the GraphHPC-2018
10:15–10:40	Big Data trends and Angara interconnect <i>A. Semenov, A. Frolov, JSC NICEVT</i>
10:40–11:05	A quantum processor programming experience: The case of an approximate combinatorial optimization algorithm <i>A. Pozdnev, IBM</i>
11:05–11:30	Optimized IntelB® Mathematical Libraries for HPC and Machine Learning <i>R. Israfilov, Intel</i>

11:30–12:00	Coffee Break
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12:00–12:25	NVGRAPH library: graph primitives on GPU <i>M. Arsaev, NVIDIA</i>
12:25–12:50	A Linear Algorithms of Cyclic Graph Reconfiguration <i>V. Lyubetsky, K. Gorbunov, Institute for Information Transmission Problems RAS</i>
12:50–13:15	Graph methods for processing relational data. Expanding the scope of distributed graph systems <i>V. Golovkov, V. Chernov, A. Portnov, "NitrosData Rus" Ltd</i>
13:15–13:40	Data Analytics with IntelB® Distribution for Python <i>R. Israfilov, Intel</i>

13:40–14:40	Lunch Break
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14:40–15:05	Parallel graph processing system for network science applications <i>M. Chernoskutov, Krasovskii Institute of Mathematics and Mechanics, Ural Federal University</i>
15:05–15:30	Mapping of breadth-first search algorithm to various single-node parallel architectures <i>A. Kolganov, Keldysh Institute of Applied Mathematics Russian Academy of Sciences / Lomonosov Moscow State University</i>
15:30–15:55	Development of a matrix representation of generalized graph structures in problems of Big Data description and analysis <i>S. Blyumin, A. Prinkov, Lipetsk State Technical University</i>
15:55–16:20	Graph anomaly detection using Apache Spark <i>A. Mazeev, A. Semenov, D. Doropheev, JSC NICEVT/MIPT</i>

16:20–18:00	GraphHPC-2018 closing
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