

PDMI-Huawei Workshop, 16 October 2017, St.Petersburg, Fontanka 27, Marble hall

11:00-11:05 Opening. Welcome speech by S.V.Kislyakov

11:05-11:10 Welcome speech (Huawei)

Morning session.

Moderator: Maxim Vsemirnov

11:10-11:35 Xuecang Zhang (Huawei). Some algorithm topics in spiking neural network and neuromorphic computing.

11:35-12:00 Dmitry Itsykson (PDMI). Algorithms and complexity in PDMI

12:00-12:20 Coffee break

12:20-12:45 Vladimir Ivanov (Huawei). Mathematical Problems at Huawei R&D

12:45-13:10 Alexander Khodunin (Huawei). Open Questions on Coding Theory and It's Application.

13:10-15:00 Lunch

Afternoon session.

Moderator: Vladimir Ivanov.

15:00-15:25 Nikolai Osipov (PDMI). Application of prediction market technology in medicine

15:25-15:50 Dmitry Shmelkin (Huawei). Combinatorial optimization related to Optical Network Planning.

15:50-16:10 Coffee break

16:10-16:35 Sergey Nikolenko (PDMI). Deep learning for natural language processing.

16:35-17:00 Vasily Usatyuk (Huawei). Cycle's topological optimizations and the iterative decoding problem on general graphs.

17:00-17:20 Coffee break

17:20-18:20 Round table. Moderator: Dmitry Shmelkin.