

# AGENDA

## Huawei CRI Math Workshop, Oct 14th

Time		Speaker	Organization	Min.
9:30-9:45	Welcome speech & Introduction	Zeng Jiancheng, Kochuguev Sergey	Huawei	15
9:45-10:25	ISC analytical problems	Wang Yinhua	Huawei ISC Lab	40
10:25-11:05	How to multiply matrices fast	Vsemirnov Maxim Aleksandrovich	PDMI	40
11:05-11:25	Coffee Break			20
11:25-12:05	Scalable algorithm for Solving Convex Feasibility Problems	Sokolinsky Leonid Borisovich	SUSU	40
12:05-12:45	Key Problems for Future Network Theory - Preliminary Thinking	Bai Bo	Huawei Theory Lab	40
12:45-13:00	Discussion			15
13:00-14:00	Lunch			60
14:00-14:40	Theoretical foundations towards a highly efficient and quality guaranteed Internet	Tang Siyu	Huawei Network Technology Lab	40
14:40-15:20	Construction of Multivariate Wavelet Frames	Skopina Maria Alexandrovna/ Krivoshein Alexander Vladimirovich	SPbU	40
15:20-16:00	Average distance between random nodes	Zaporozhets Dmitry Nikolaevich	PDMI	40
16:00-16:20	Coffee Break			20
16:20-17:00	Complexity reduction in parallel algorithms	Tiskin Alexander Vladimirovich	University of Warwick	40
17:00-18:00	Discussion			60
18:00	Dinner			

# AGENDA

Huawei CRI Math Workshop, Oct 15th				
Time		Speaker	Organization	Min.
9:30-10:10	Mathematical Problems in Advanced Wireless Research	Zhou Yue	Huawei Wireless Technology Lab	40
10:10-10:50	On mathematical models of nonlinear waveguides - how to use integrability to transmit information	Romanov Roman Vladimirovich	SPbU	40
10:50-11:30	Nondifferentiable optimization: theory and applications	Abbasov Majid Elkan Ogly	SPbU	40
11:30-11:50	Coffee Break			20
11:50-12:30	Rattling in systems with spatially distributed hysteresis	Tikhomirov Sergey Borisovich	SPbU	40
12:30-13:00	Discussion			30
13:00-14:00	Lunch			60
14:00-14:40	Complexity reduction for rational approximation problems with applications to filter synthesis	Bogatyrev Andrey Borisovich	INM	40
14:40-15:20	Mathematical Problems in Fiber communication Research	Luo Ji	Huawei B&P Lab	40
15:20-16:00	NLSE/Symbolic-numerical methods in mathematical theory of optical waveguides	Malykh Mikhail Dmitrievich	RUDN	40
16:00-16:20	Coffee Break			20
16:20-16:50	Neuromorphic Computing Engineering	Batusov Roman Igorevich	Huawei DC Lab	30
16:50-18:00	Discussion			70
18:00	Dinner			