Huawei – HSE Open Day 2021

October 20 – 21st | Moscow

MOSCOW

Agenda

Day 1 | Oct 20th

HSE Campus, Pokrovsky Boulevard 11

Date	Time	Contents	Participants / Speakers
Opening Ceremony	09:30 – 10:00	Arrival & Registration / Welcome Coffee Break	**ALL**
	10:00 – 10:05	Introduction of Participants from Both Sides	**Karina Gurgenova** Head of Cooperation and Technology Planning, Moscow Research Centre
	10:05 – 10:20	Welcome words by HSE	**Prof. Igor Agamirzyan** Vice-president HSE **Prof Ivan Arzhantsev** Dean, Faculty of Computer Science
	10:20 – 10:30	Welcome words by Huawei	**Tian Xingpu** President of Huawei Russian Research Institute **Hou Rui** Vice President of Huawei Russian Research Institute, Director of Moscow Research Centre
Research Challenges for Huawei	10:30 – 11:00	Consumer Business Group HW Directions: Computational Imaging, Cyberverse AR, AI Platform	**Alex Nevidomsky** Director of Consumer Business Group Hardware, Russia
	11:00 – 11:30	Cloud scheduling challenges	**Andrey Tikhonov** Team Lead, Cloud Business Unit
	11:30 – 12:00	Fundamental research challenges for Institute of Strategic research	**Mikhail Popov** Expert, Institute of Strategic research
	12:00 – 12:20	Coffee Break	
Introduction of HSE Research departments/ directions	12:20 – 13:00	Towards minimally invasive speech prosthesis	**Prof Alexey Ossadtchi** Institute for Cognitive Neuroscience, Centre for Bioelectric Interfaces
	13:00 – 13:40	Some theoretical properties of GANs	**Dr. Alexey Naumov** Faculty of Computer Science
	13:40 – 14:20	Sequential reactive systems: optimization and verification	**Dr. Vladimir Zakharov** Faculty of Computer Science
	14:20 – 15:00	Optimization of equipment design using machine learning methods	**Ass.Prof. Denis Derkach** Faculty of Computer Science
	15:00 – 15:05	Day 1 Closing remarks	

Day 2 |Oct 21th
HSE Campus, Pokrovsky Boulevard 11

Date	Time	Contents	Participants / Speakers
Research Challenges for Huawei	09:30 – 10:00	Arrival & Registration /Coffee Break	**ALL**
	10:00 – 10:30	Framework for AST-Based Pattern Mining and Source Code Patching	**Andrey Tatarnikov** Cloud Business Unit
	10:30 – 11:00	Research Perspectives in Computing AI Direction	**Filimonov Egor & Durinov Mikhail** Intelligent Computing Product Line
	11:00 – 11:30	Challenges & breakthroughs in mobile 3D visualization	**Kryachko Yury** Consumer Business Group Software OS
	11:30 – 12:00	Coffee Break	
Introduction of HSE Research departments/ directions	12:00 – 12:40	Low-rank decompositions for tensorized data: theory and applications	**Ass.Prof. Maxim Rakhuba** Faculty of Computer Science
	12:40 – 13:20	Gradient-Based Methods for Black-Box Tuning and Optimisation	**Ass.Prof. Andrey Ustyuzhanin** Faculty of Computer Science
	13:20 – 14:00	Sharp metastable behavior for some classes of Markov processes	**Ass.Prof. Mauro Mariani** Faculty of Mathematics
	14:00 – 14:40	Computational statistical physics: simulations and machine learning	**Prof Lev Shchur** MIEM HSE, Joint Department with RAS Dorodnicyn Computing Centre
	14:40 – 15:00	Coffee Break	
Round Table Discussion	15:00 – 16:00	*Topics for discussion* • Long-term and Trustable Cooperation Relationship • Talents cultivation programs & scholarships • Base Department	Huawei: **President & Lab Directors** HSE: **Deans & Executives** Moderator: **Gurui,** Director for Technology Planning, Cooperation and Academic Relations, Moscow Research Centre Huawei
Relocation & Gala Dinner	16:00 – 17:00	Relocation to dinner (transfer from HSE Campus to restaurant)	
	17:00 – 20:00	**Gala Dinner** Restaurant **"Ruski"** Address: Moscow-City, OKO Tower, 1-Y Krasnogvardeyskiy Proyezd, 21, building 2	