Program of Summer School on Deep Learning and Bayesian Methods 2018

	August 27, Mon	August 28, Tue	August 29, Wed	August 30, Thu	August 31, Fri	September 1, Sat
10:00-11:30	Introduction to Bayesian Methods Dmitry Vetrov	Introduction to stochastic optimization Anton Rodomanov	Advanced methods of variational inference Max Welling (University of Amsterdam)	Generative models Dmitry Ulyanov Egor Zakharov	Gaussian processes Evgeny Burnaev	Bayesian neural networks and variational dropout Dmitry Molchanov
11:30-12:00	Coffee break					
12:00-13:30	Bayesian reasoning Kirill Struminsky	Scalable Bayesian methods Dmitry Kropotov	Reinforcement learning through the lense of variational inference Sergey Bartunov (DeepMind)	Adversarial learning Dmitry Ulyanov	Bayesian optimization Alexey Zaytsev	Sparse variational dropout and variance networks Kirill Neklyudov
13:30-14:30	Lunch					
14:30-16:00	Models with latent variables and EM-algorithm Dmitry Vetrov	Variational autoencoders Dmitry Vetrov	Reinforcement learning Alexander Panin	Extending the Reparameterization Trick Michael Figurnov (DeepMind)	Deep Gaussian processes Maurizio Filippone (EURECOM)	Neural networks sparsification Arsenii Ashukha
16:00-16:15	Break			16:00 -16:20 Yaroslav Labutin-Rymsho. Samsung Research	Break	
16:15-17:45	EM-algorithm Ekaterina Lobacheva	Gumbel-softmax Artem Sobolev	Distributional reinforcement learning Alexander Grishin		Markov chain Monte Carlo Dmitry Kropotov	Information bottleneck Alessandro Achille (University of California) by video conference
17:45-18:15	Coffee break			16:20 — evening Social event	Coffee break	
18:15-19:45	EM-algorithm Nadia Chirkova	Variational autoencoders Kirill Struminsky	Distributional reinforcement learning Arsenii Ashukha		Stochastic Markov chain Monte Carlo Kirill Neklyudov	18:45 — evening Reception

Colors: Lecture | Invited talk | Practical session