

## **Session Program**

**26-29 Nov 2019**

# **HSE-Yandex autumn school on generative models**

## ***Talks***

Yandex, Moscow, room "Oxford"  
Moscow, 119021, 16, Ulitsa Lva Tolstogo

## Tuesday 26 November

16:30

17:30

### **Talks: New directions in generative models and high-dimensional MC methods**

**Session** | **Location:** Yandex, Moscow, room "Oxford" | **Convener:** Prof. Eric Moulines

## Friday 29 November

10:00

### Talks: Bayesian inference vs stochastic optimization

Session | Location: Yandex, Mouline Rouge | Convener: Prof. Vladimir Spokoyny

10:50

10:50

### Talks: Wasserstein-2 Generative Networks

Session | Location: Yandex, Mouline Rouge | Convener: Prof. Evgeny Burnaev

11:30

12:10

### Talks: Towards Photorealistic Neural Avatars

Session | Location: Yandex, Mouline Rouge | Convener: Prof. Viktor Lempitsky

12:50

12:50

### Talks: Adaptive Divergence for Rapid Adversarial Optimization

Session | Location: Yandex, Mouline Rouge | Convener: Maxim Borisyak

13:10

13:10

### Talks: $(1+\epsilon)$ -class Classification: an Anomaly Detection Method for Highly Imbalanced or Incomplete Data Sets

Session | Location: Yandex, Mouline Rouge | Convener: Andrey Ustyuzhanin

13:30

14:40

### Talks: Approximation of multivariate functions using deep learning with applications

Session | Location: Yandex, Mouline Rouge | Convener: Prof. Ivan Oseledets

15:20

15:20

### Talks: Structure-adaptive manifold estimation

Session | Location: Yandex, Mouline Rouge | Convener: Mr Nikita Puchkin

15:50

16:20

### Talks: Uncertainty estimation: can your neural network provide confidence for its predictions?

Session | Location: Yandex, Mouline Rouge | Convener: Prof. Maxim Panov

16:50

16:50

### Talks: Fast Simulation Using Generative Adversarial Networks in LHCb

Session | Location: Yandex, Mouline Rouge | Convener: Mr Artem Maevskiy

17:15

17:15

### Talks: Differentiating the Black-Box: Optimization with Local Generative Surrogates

Session | Location: Yandex, Mouline Rouge | Convener: Mr Vladislav Belavin

17:40