Session Program

10–14 Sept 2018

The 8th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID 2018)

11. Big data Analytics, Machine learning

Monday 10 September

13:30

11. Big data Analytics, Machine learning
Session | **Location:** Conference Hall

13:30–13:45

Semantic information management: the approach to semantic assets development lifecycle

Speaker

Ms Elena Yasinovskaya

13:45–14:00

Agent Technology Situational Express Analysis in Assessment of Technological Development Level of the BRICS Countries

Speaker

Ms Diana Koshlan

14:00–14:15

Cluster analysis of scientific payload to execute it efficiently in distributed computing environment

Speaker

Maksim Gubin

14:15–14:30 **Optimization of Neural networks training with Vector-Free heuristic on Apache Spark**

Speaker

Mr Kamil Khamitov

14:30

15:00

11. Big data Analytics, Machine learning
Session | **Location:** Conference Hall

15:00–15:15 **Checking foreign counterparty companies using Big Data**

Speaker

Mr Sergey Belov

15:15–15:30 **Labour market monitoring system**

Speaker

Sergey Belov

15:30–15:45 **Многомерный анализ данных о продажах на основе технологии OLAP**

Speaker

Prof. Vladimir Dimitrov

15:45–16:00

IMPROVING THE EFFICIENCY OF SMART GRIDS OF ENERGY CONSUMPTION WITH APPLICATION OF SYSTEMS OF ARTIFICIAL INTELLECT

Speakers

Mr Mikchail Berezhkov, Prof. eugene Shchetinin

16:00

Thursday 13 September

13:30

11. Big data Analytics, Machine learning
Session | **Location: 406A**

13:30–13:45   **Text segmentation on photorealistic images**

Speaker
Dr Valery Grishkin

13:45–14:00

Deep Learning Methodology for Prediction of Long-Term Dynamics of Financial Derivatives

Speaker
Prof. Alexander Bogdanov

14:00–14:15   **Russian-language speech recognition system based on DeepSpeech**

Speaker
Anna Shaleva

14:15–14:30   **Texture generation for archaeological reconstructions**

Speaker
Dmitry Selivanov

14:30–14:45   **Machine learning for natural language processing tasks**

Speaker
Mr Aleksey Kulnevich

14:45–15:00   **Building corpora of transcribed speech from open access sources**

Speaker
Anna Shaleva

15:00

15:30

11. Big data Analytics, Machine learning
Session | **Location: 406A**

15:30–15:45

Particle identification in ground-based gamma-ray astronomy using convolutional neural networks

Speaker
Evgeny Postnikov

15:45–16:00   **Botnet in PyPy to speed up the work of the Earley parser**

Speaker
Mr Vladislav Radishevskiy

16:00–16:15

Using TensorFlow to solve the problems of financial forecasting for high-frequency trading.

Speaker
alexey Stankus

16:15–16:30   **Comparison of explicit and not explicit mathematical methods of financial forecasting**

Speaker
alexey Stankus

16:30–16:45

Combining satellite imagery and machine learning to predict atmospheric heavy metal contamination

Speaker

Dr Alexander Uzhinskiy

16:45–17:00 **Сверточная нейронная сеть в системе стереозрения мобильного робота**

Speaker

Mr Kirill Koshelev

17:00–17:15

Comparison of different convolution neural network architectures for the solution of the problem of emotion recognition by facial expression

Speaker

Mr Anton Vorontsov

17:15–17:30

Time Series and Data Analysis Based on Hybrid models of Deep Neural Networks and Neuro-Fuzzy Networks

Speakers

Dr Alexey Averkin, Mr Sergey Yarushev

17:30