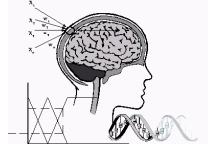




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Recent Advances in Data Analysis and Machine Learning: Paradigms and Practical Applications

**Name of Chair:**

Co-Chair: Prof. Margarita N. Favorskaya - Reshetnev Siberian State University of Science and Technology, Russian Federation

Co-Chair: Dr. Nikita Andriyanov - Financial University under the Government of the Russian Federation

**Details of Session:**

Artificial intelligence technologies are penetrating all spheres of human activity. Data mining techniques, including the use of machine learning models, have worked well in the economy, and today they are penetrating agriculture, raising the level of education and ensuring transport safety. It is also undoubtedly important to develop methods for intelligent processing of medical data, which are of a specific nature, but a number of tasks can be solved with the help of a modern artificial intelligence apparatus. Research papers are invited on recent advances in data analysis and machine learning paradigms and their applications in areas such as healthcare, education, transport and so on.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

Konstantin Vasiliev  
Vitaly Dementiev  
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