INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:
Applied methods of Machine and Deep Learning

Name, Title and Affiliation of Chair:
Dr. Nikita Andriyanov,
Financial University under the Government of the Russian Federation

Details of Session (including aim and scope):

The section is devoted to the results and achievements in the field of applied artificial intelligence. The section expects practical research in the field of data analysis, including financial information, images, videos, texts, as well as multimodal data. We welcome reports on improving the efficiency and productivity of machine and deep learning methods in solving applied problems in medicine, economics, science and technology.

The **aim** of the section is to form new knowledge about modern methods and models of machine and deep learning in various industries and their application applicability.

The **scope** of report topics includes applied models of machine and deep learning in medicine, transport security, non-destructive testing, aviation security, in recognition and generation of images and texts, but is not limited to them. Also of interest are studies on optimizing data preprocessing procedures, neural network architectures, etc.

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

Laboratory of Computer Vision (Financial University under the Government of the Russian Federation), Image processing school (Ulyanovsk State Technical University) including Prof. Dementiev V.E., Vasiliev K.K., Tashlinskiy A.G.

Samara University mathematical modeling group in medicine including Prof. Ilyasova N.Y.

And also researchers in computer science: M.A. Pascalli (Signals and Images Laboratory, Institute of Information Science and Technologies "A. Faedo" (ISTI)), G. Papakostas (MLV Research Group, Department of Computer Science, International Hellenic University)

Website URL of Call for Papers (if any):

There is no Website at this Stage

Email & Contact Details:

nikita-and-nov@mail.ru
naandriyanov@fa.ru