



INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:

High-Dimensional Data Analysis, Knowledge Processing and Applications

Name, Title and Affiliation of Chair:

Prof. Mika Sato-Ilic, Faculty of Engineering, Information and Systems, University of Tsukuba, Japan

Co-Chairs:

Prof. Tamara Shikhnabieva, Russian Technological University, Russian Federation
Prof. Lakhmi C. Jain, KES International, UK

Details of Session (including aim and scope):

As the amount of data increases, the treatment of such data is becoming more important. Specifically, during such a dynamically changing period, the theoretical and application-oriented treatment of high-dimensional data is going to be more important. There is a tremendous interest in knowledge extraction and processing among researchers and practitioners world wide as the knowledge is considered as a power in all spheres of life such as science, business healthcare and so on.

Papers are invited on all aspects of the theory and applications of a wide range of high-dimensional data analysis as well as knowledge processing.
Some of these topics include but not limited to are listed below.

- Soft high-dimensional data analysis and/or applications
- Statistical high-dimensional analysis and/or applications
- Decision analysis for high-dimensional data and/or applications
- Clustering/Classification for high-dimensional data and/or applications
- Pattern analysis for high-dimensional data and/or applications
- Multi-mode and Multi-way data analysis for high-dimensional data and/or applications
- Knowledge extraction from data
- Knowledge processing and case studies related to the real world applications in fields including science, engineering, education, healthcare and so on.
- And so on.

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