



International

*Innovation in Knowledge Based and Intelligent
Engineering Systems*



INVITED SESSION SUMMARY

Title of Session:

Decision support systems, forecasting, classification

Name, Title and Affiliation of Chair:

Wojciech Froelich, Institute of Computer Science, University of Silesia, Poland

Details of Session (including aim and scope):

The objective of the session is the presentation of original, unpublished results on recent advances in decision sport systems, time series forecasting and classification. The suggested but not limited scope of the session includes the following topics:

- Decision support systems (DSS) – design and implementation
- DSS architectures and algorithms (TOPSIS, AHP, other),
- Multi-criteria decision making
- Medical DSS, medical diagnosis, medical guidelines, modelling medical pathways
- Financial DSS
- Supplier selection problem
- Time series forecasting, forecasting of sequences
- Classification – theory and applications
- Committees of classifiers
- Learning classification and forecasting models
- Dealing with missing and lacking data in classification and forecasting
- Dealing with dispersed knowledge in classification and forecasting
- Feature selection for classification and forecasting
- Dealing with big data in classification and forecasting

IMPORTANT DATES:

Submission of papers: to follow

Notification of acceptance: to follow

Final paper publication files to be received by: to follow

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