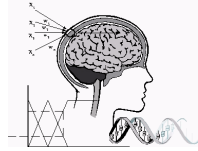




International

*Innovation in Knowledge Based and Intelligent
Engineering Systems*



INVITED SESSION SUMMARY

Title of Session: Statistical Analysis and Model Selection for Complex Structured Data

Name of Chair:

Chair: Dr. Rei Monden

Graduate School of Advanced Science and Engineering, Hiroshima University, Japan

Co-chair: Dr. Mariko Yamamura

Department of Statistics, Radiation Effects Research Foundation, Japan

Details of Session:

Complex structured data, such as longitudinal data, clustered data or spatio-temporal data, are now more common due to the availability of more sophisticated technology. Analytical methods to handle these complex structured data are highly in demand. Therefore, this invited session focuses on theoretical and empirical research in the topic of statistical analyses for complex structured data. In order to acquire reliable and reproducible statistical inference or prediction from these analytical methods, model selection plays an important role.

Topics are solicited for, but not limited to:

- spatio-temporal data analysis and/or applications
- multivariate nonparametric analysis and/or applications
- causal inference
- model selection
- network clustering and/or applications
- cohort longitudinal data analysis and/or applications

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