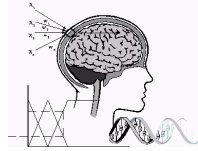




International

*Innovation in Knowledge Based and Intelligent
Engineering Systems*



INVITED SESSION SUMMARY

Title of Session:

Recent Development of Multivariate Analysis and Model Selection

Name of Chair:

Chair: Dr. Rei Monden

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

Co-chair: Dr. Mariko Yamamura

Department of Radiation Effects Research Foundation, Japan

Details of Session:

This invited session focuses on theoretical and empirical research in the topic of multivariate analyses and their model selections. With the rapid development of data collection technologies, multivariate analysis methods which can handle large, multivariate, complex data are in high demand. To obtain reliable and reproducible statistical inference or prediction from these multivariate analysis methods, model selection plays a key role.

Topics are solicited for, but not limited to:

- Multivariate longitudinal data analysis and/or applications
- Ordinary multivariate analysis and/or application
- High-dimensional data analysis and/or application for multivariate data
- Sparse estimation for model selection and/or applications
- High-dimensional asymptotic theory

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