



INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:

New Advances of Soft Computing in Industrial and Management Engineering

Name, Title and Affiliation of Chair:

Dr. Shing Chiang Tan, Multimedia University, Malaysia
Prof. Chee Peng Lim, Deakin University, Australia
Prof. Junzo Watada, Waseda University, Japan

Details of Session (including aim and scope):

Soft computing deals with uncertainty and imprecision, and is applicable to provide practical solutions to problems in a wide range of industry domains, e.g., from manufacturing to power industries, from finance to agriculture and healthcare. This session is intended to bring together researchers, scholars, engineers, practitioners, and developers from around the world to present and share the latest research outcomes of soft computing in the area of industrial management engineering (IME). The focus of this session is on principles and applications of soft computing to handling various issues and problems related to IME, e.g., project management, corporate strategy, performance management, production management, process/system optimisation, material management, knowledge management and productivity improvement. The topics of interest include, but are not limited to, granular computing, probability and possibility theories, fuzzy sets, evolutionary algorithms, artificial neural networks, rough sets, optimisation, classification/clustering, fuzzy control and modelling, fuzzy analysis, linguistic processing and automata, knowledge discovery and decision making in dealing with the mentioned issues/problems.

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

Website URL of Call for Papers (if any):

Email & Contact Details:

Dr. Shing Chiang Tan sctan@mmu.edu.my
Prof. Chee Peng Lim chee.lim@deakin.edu.au
Prof. Junzo Watada watada@waseda.jp