



Call for Contributions to a Special Session on Interoperable Manufacturing

Scope and Coverage:

On entering the 21st century, manufacturing systems have become increasingly complex as well as diverse. This has been further complicated by the collaborative nature of manufacturing businesses that requires manufacturing systems and information transaction to be more interoperable than ever. This special session provides a forum for researchers and practitioners to review the latest achievements, discuss current progress, and identify possible research directions of interoperable manufacturing.

The topics of interest, including but not limited to the following, are:

- Interoperable and adaptive control of machining systems
- Enabling data models for interoperable CNCs (e.g. STEP-NC)
- Novel control strategy for CNC systems
- Feature-based process planning and manufacturing
- Knowledge database for interoperable manufacturing systems
- AI philosophy and technologies for manufacturing systems
- Innovative design of interoperable manufacturing systems
- Ubiquitous manufacturing systems
- Interoperable manufacturing execution system
- Digital factory
- Interoperable and collaborative manufacturing

Inquiries:

Inquiries about this Special Session should be addressed to Professor Xun Xu at the University of Auckland (e-mail: x.xu@auckland.ac.nz). General inquiries about the conference should be addressed directly to Dr. YF Zhang or Dr. T Qu at the Department of Industrial and Manufacturing Systems Engineering, Email: det2009@hku.hk.

Special Session Chair:

Professor Xun Xu
Department of Mechanical Engineering
University of Auckland, Auckland, New Zealand
x.xu@auckland.ac.nz

Professor Stephen Newman
Department of Mechanical Engineering
University of Bath, England
S.T.Newman@bath.ac.uk