

**Special session****Deadline: 15 May 2020****Title:**

Advanced fuzzy logic applications in manufacturing and logistics

**Organised by:**

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**Abstract:**

The global economy and the recent developments in IC technologies have significantly modified the business organization of enterprises and the way that they do business. Today's consumers demand cheaper, high quality products, on-time delivery and excellent aftersales services. Hence, companies are under intense pressure to cut product and material costs while maintaining a high level of quality and after-sale services.

Fuzzy sets proved successful in various fields of engineering and management to formalize human reasoning patterns and to develop high-performance expert systems in contexts where data are affected by uncertainty and/or vagueness. This special session will provide a forum to investigate, exchange novel ideas and disseminate knowledge covering the broad area of fuzzy logic applications in manufacturing and logistics. Experts and professionals from academia, industry, and the public sector are invited to submit papers on their recent research and professional experience on the subject. High quality papers reporting on relevant reviews of existing literature, theoretical studies, case studies, inter-disciplinary research are all very welcome.

**List of topics:**

All fuzzy logic applications in manufacturing and logistics problems

**Keywords:**

Fuzzy logic, logistics, manufacturing, inventory control, selection problems, transportation, scheduling, supply chain