Special Session on: Recent fuzzy logic applications in manufacturing

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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. A new form of organization called "Supply Chain Network" turn to appear and quickly adopted by most leading enterprises. It is noticed that "*competition in the future will not be between individual organizations but between competing supply chains*" Thus, business opportunities are captured by groups of enterprises in the same supply chain network. The main reason for this change is the global competition that forces enterprises to focus on their core competences (i.e., to do what you do the best and let others do the rest).

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.

Experts and professionals from academia, industry, and the public sector are invited to submit papers on their recent research and professional experiences on the subject. High quality papers reporting on relevant reviews of existing literature, theoretical studies, case studies, interdisciplinary research are all very welcome.

Keywords: Fuzzy logic, supply chain, logistics, manufacturing, inventory control, selection problems

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