Reconfigurability in Industrial Networks

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ABSTRACT

Reconfigurability is a desirable, yet poorly understood, property for industrial systems. This seminar will bring together number of different strands of research relating to the management of different industrially-occuring networks, which are temporary by nature, and for which ease of configuration and reconfigurability are important properties. In studying these networks the role of different information systems as barriers or enablers for reconfigurability has been examined, with a particular focus on the role of emerging technologies such as Radio Frequency Identification (RFID). Examples from separate investigations into production system control, supply chain management and airport operations will be used to illustrate aspects of these reconfigurable networks.