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Editorial

Fuzzy models have profound influence in non-linear systems. The authors in the first paper have proposed the sliding mode control algorithm based on Takagi-Sugeno fuzzy model.The theortical approaches proposed are validated using a flexible joint manipulator.

In the next paper the authors have proposed a multi-agent model for modeling an industrial system (steam generator. The authors claim that this system will enable the practical training of future operators to control industrial installation.

The next paper has addressed the implementation of an adaptive decorrelator based on two cross coupled least-mean squares (LMS) algorithms. This system has potential applications in such areas as requires blind-source separation of random signals, the author noted.

Efficient manufacturing systems need to be supported by intelligent control architectures. Many current distributed control systems, are now characterised from lack of flexibility and agility. To limit the shortcomings RFID-enabled distributed control and monitoring system has been explored using a flexible manufacturing system (EMU- CIM lab) and also to demonstrate the feasibility of the proposed architecture successfully.

The papers published in this issue are innovative in design as well as on the applications.

Editors