Artificial Intelligence Resources in Control and Automation Engineering

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About the eBook

Techniques such as neural networks, fuzzy logic and expert systems are a key tool for researchers and engineers requiring powerful solutions to a wide range of problems. The e-book presents practical examples of real cases where these techniques have been successfully applied.

Contents

- Intelligent PID DC Motor Speed Control Alteration Parameters Using Particle Swarm Optimization
- Systems Theoretic Techniques for Modeling, Control and Decision Support in Complex Dynamic Systems
- Fuzzy Controllers Design for the Inertia Wheel Inverted Pendulum
- Engineering Congestion Control of Internet Video Streaming with Fuzzy Logic
- Artificial Intelligence and Electrical Drives
- Mobile Manipulator with Resolved Acceleration and Knowledge-Based Fuzzy Active Force Control

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