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**CONTROL AND
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Edited by
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intelligence in decision making processes they have made substantial contributions to the solution of very complex problems. As a result the field of computational intelligence has branched out in several directions. For instance artificial neural networks can learn how to classify patterns such as images or sequences of events and effectively model complex nonlinear systems. Simple and easy to implement fuzzy systems can be applied to successful modeling and system control. Illustrating how these and other tools help engineers model nonlinear system behavior, determine and evaluate system parameters and ensure overall system control. *Intelligent Systems* Addresses various aspects of neural networks and fuzzy systems. Focuses on system optimization covering new techniques such as evolutionary methods, swarm and ant colony optimizations. Discusses several applications that deal with methods of computational intelligence. Other volumes in the set: *Fundamentals of Industrial Electronics*, *Power Electronics and Motor Drives*, *Control and Mechatronics*, *Industrial Communication Systems*.

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