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Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XIX, 257 p. 60 illus., 55 illus. in color.)
Disciplina	006.3
Soggetti	Computational intelligence System theory Statistical physics Automatic control Computational Intelligence Systems Theory, Control Applications of Nonlinear Dynamics and Chaos Theory Control and Systems Theory
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Stability and Stabilization of CTIT2FMBSs -- Output-feedback Control of CTIT2FMBSs -- Sampled-Data Control of CTIT2FMBSs -- Output Tracking Control of CTIT2FSs -- Switched Output-feedback Control of CTIT2FMBSs -- Filter Design of CTIT2FMBSs -- Fault Detection of CTIT2FMBSs -- Model Reduction of CTIT2FMBSs -- Optimal Control of DTIT2FMBSs -- State-feedback Control of DTIT2FMBSs -- Static Output-feedback Control of DTIT2FMBSs -- Guaranteed Cost Output Tracking Control of DTIT2FMBSs.
Sommario/riassunto	This book develops a set of reference methods capable of modeling uncertainties existing in membership functions, and analyzing and synthesizing the interval type-2 fuzzy systems with desired performances. It also provides numerous simulation results for various examples, which fill certain gaps in this area of research and may serve as benchmark solutions for the readers. Interval type-2 T-S fuzzy models provide a convenient and flexible method for analysis and

