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Nota di contenuto	PREFACE -- Evolving Intelligent Systems -- The Editors -- PART I: METHODOLOGY -- Evolving Fuzzy Systems -- 1. Learning Methods for Evolving Intelligent Systems (R. Yager) -- 2. Evolving Takagi-Sugeno Fuzzy Systems from Data Streams (eTS+) (P. Angelov) -- 3. Fuzzy Models of Evolvable Granularity (W. Pedrycz) -- 4. Evolving Fuzzy Modeling Using Participatory Learning (E. Lima, M. Hell, R. Ballini, and F. Gomide) -- 5. Towards Robust and Transparent Evolving Fuzzy Systems (E. Lughofer) -- 6. The building of fuzzy systems in real-time: towards interpretable fuzzy rules (A. Dourado, C. Pereira, and V. Ramos) -- Evolving Neuro-Fuzzy Systems -- 7. On-line Feature Selection for Evolving Intelligent Systems (S. Ozawa, S. Pang, and N. Kasabov) -- 8. Stability Analysis of an On-Line Evolving Neuro-Fuzzy Network (J. de J.

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Sommario/riassunto

From theory to techniques, the first all-in-one resource for EIS There is a clear demand in advanced process industries, defense, and Internet and communication (VoIP) applications for intelligent yet adaptive/evolving systems. Evolving Intelligent Systems is the first self-contained volume that covers this newly established concept in its entirety, from a systematic methodology to case studies to industrial applications. Featuring chapters written by leading world experts, it addresses the progress, trends, and major achievements in this emerging research field, with a strong emphas