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Titolo	Generalized Rough Sets [[electronic resource] ] : Hybrid Structure and Applications / / by Anjan Mukherjee
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
ISBN	81-322-2458-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XIII, 160 p. 1 illus.)
Collana	Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 324
Disciplina	511.322
Soggetti	Computational intelligence Computational complexity Algorithms Computational Intelligence Complexity Mathematics of Algorithmic Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction to Fuzzy Sets, Rough Sets and Soft Sets -- On Generalised Interval-Valued Intuitionistic Fuzzy Soft Sets -- Soft Rough Intuitionistic Fuzzy Sets -- Interval-Valued Intuitionistic Fuzzy Soft Rough Sets -- Interval Valued Intuitionistic Fuzzy Soft Topological Spaces -- Interval Valued Intuitionistic Fuzzy Soft Multi-sets and their Relations -- Interval Valued Neutrosophic Soft Sets -- Topological Structure formed by Soft Multi Sets and Soft Multi Compact Spaces -- Soft Interval Valued Intuitionistic Fuzzy Rough Sets -- IF Parameterized Intuitionistic Fuzzy Soft Set Theories On Decisions-Making.
Sommario/riassunto	The book introduces the concept of “generalized interval valued intuitionistic fuzzy soft sets”. It presents the basic properties of these sets and also, investigates an application of generalized interval valued intuitionistic fuzzy soft sets in decision making with respect to interval of degree of preference. The concept of “interval valued intuitionistic fuzzy soft rough sets” is discussed and interval valued intuitionistic fuzzy soft rough set based multi criteria group decision making scheme is presented, which refines the primary evaluation of the whole expert group and enables us to select the optimal object in a most

reliable manner. The book also details concept of interval valued intuitionistic fuzzy sets of type 2. It presents the basic properties of these sets. The book also introduces the concept of “interval valued intuitionistic fuzzy soft topological space (IVIFS topological space)” together with intuitionistic fuzzy soft open sets (IVIFS open sets) and intuitionistic fuzzy soft closed sets (IVIFS closed sets).

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