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Nota di contenuto	-- Rough Set Models and Foundations. -- A Proposal of The Sub attributes Based Dependency in Rough Sets and Its Calculation. -- Triadic Patterns for Explainable Artificial Intelligence. -- Rough Shadowed Set: Hybridization of Rough Set and Shadowed Set. -- An Analysis of The Efficacy of Rough Set Models within The Framework of Binary Information Tables. -- A Novel Weighted k nearest Neighborhood Rough Set Approach for Interval valued Decision Information System. . A Class specific Attribute Reduction Acceleration Algorithm Based on Neighborhood Rough Set. -- Optimal Scale Selections of Inconsistent Generalized Multi scale Ordered Decision Information Systems with Multi-scale Decision Attributes Based on The Set valued Dominance Matrix. -- New Insights into Reduction Theory: Building on Concept Reduction. -- Fuzzy Rough Sets and Rough Fuzzy Sets. -- Fuzzy Clustering Ensemble Method Based on Dempster-Shafer Theory. -- Attribute Reduction Method of Fuzzy Rough Sets Based on Improved Overlap Degree. -- Intuitionistic Fuzzy Clustering Indexes

Based on Generalized Fuzzy Orthopartitions. -- Virtual Exposure Bracketing for HDR Imaging with Fuzzy Membership. -- Attribute Reduction in Multi scale Fuzzy Decision Systems. -- Tri Training with Granular ball in Weighted Fuzzy Rough Sets. -- On  $q$  Rung Orthopair Fuzzy Rough Generalized Dombi Aggregation Operators. -- Optimising The Attribute Order in Fuzzy Rough Rule Induction. -- Multi Criteria Attribute Ranking Based on Rough Sets and Interval valued Fuzzy Sets. -- Granular Computing. -- MGSM CAN: Multi-granularity Semantic Margin Cross Annotation Network. -- Hierarchical Multi label Attribute Reduction Based on Granular-ball. -- Similarity Measurement and Application of Normal Clouds Based on Bhattacharyya Distance. -- The Description of Isomorphism Between Concept Lattices Based on The Special Datas. -- Multi view Graph Convolutional Network Via Granular ball Computing. -- Fuzzy Rough Outlier Detection Method in Two layer Granular Ball Space. -- Unsupervised Granular ball Partitioning Algorithm Based on KL Divergence. -- MOGBC: Multi objective Driven Granular Ball Clustering. -- Fast Minimum Spanning Tree Clustering Algorithm Based on Granular ball Computing. -- Improved Distance Measure of Intuitionistic Fuzzy Sets and Its Application in Pattern Recognition.

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### Sommario/riassunto

This three-volume set LNAI 15708-15709-15110 constitutes the proceedings of the International Joint Conference on Rough Sets, IJCRS 2025, held in Chongqing, China, during May 11–13, 2025. The 90 full papers included in these volumes were carefully reviewed and selected from 187 submissions. They are organized in topical sections as follows: Part I: Rough Set Models and Foundations; Fuzzy Rough Sets and Rough Fuzzy Sets; and Granular Computing. Part II: Rough Set Applications; Feature Selection and Knowledge Discovery; and Cognitive Computing. Part III: Three-way Data Analytics and Decision; Medicine and Health Data Mining; and Applications of Deep Learning and Soft Computing.

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