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Titolo	Advances in Fuzzy Decision Making [[electronic resource] ] : Theory and Practice // by Iwona Skalna, Bogdan Rbiasz, Bartomiej Gawe, Beata Basiura, Jerzy Duda, Janusz Opia, Tomasz Peech-Pilichowski
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Descrizione fisica	1 online resource (XI, 151 p. 58 illus. in color.)
Collana	Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 333
Disciplina	003.56
Soggetti	Computational intelligence Engineering economics Engineering economy Operations research Decision making Computational Intelligence Engineering Economics, Organization, Logistics, Marketing Operations Research/Decision Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Fuzzy Numbers -- Ordering of Fuzzy Numbers -- Fuzzy Random Variable and the Dempster-Shafer Theory of Evidence -- Multi-Attribute Decision Making Process and its Application -- Risk Assessment in the Presence of Uncertainty -- Application of Fuzzy Theory in Steel Production Planning and Scheduling -- Application of Fuzzy Decision Trees in Analog Forecasting -- Selected Issues of Visualisation of Fuzziness in Cardiac Imaging Data.
Sommario/riassunto	This book shows how common operation management methods and algorithms can be extended to deal with vague or imprecise information in decision-making problems. It describes how to combine decision trees, clustering, multi-attribute decision-making algorithms and Monte Carlo Simulation with the mathematical description of imprecise or vague information, and how to visualize such information. Moreover, it discusses a broad spectrum of real-life management

problems including forecasting the apparent consumption of steel products, planning and scheduling of production processes, project portfolio selection and economic-risk estimation. It is a concise, yet comprehensive, reference source for researchers in decision-making and decision-makers in business organizations alike.

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