

1. Record Nr.	UNINA9910255005503321
Titolo	Information Processing and Management of Uncertainty in Knowledge-Based Systems [[electronic resource]] : 16th International Conference, IPMU 2016, Eindhoven, The Netherlands, June 20-24, 2016, Proceedings, Part I // edited by Joao Paulo Carvalho, Marie-Jeanne Lesot, Uzay Kaymak, Susana Vieira, Bernadette Bouchon-Meunier, Ronald R. Yager
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-40596-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XXXIV, 738 p. 190 illus.)
Collana	Communications in Computer and Information Science, , 1865-0929 ; ; 610
Disciplina	006.33
Soggetti	Artificial intelligence Data mining Algorithms Mathematical statistics Mathematical logic Optical data processing Artificial Intelligence Data Mining and Knowledge Discovery Algorithm Analysis and Problem Complexity Probability and Statistics in Computer Science Mathematical Logic and Formal Languages Image Processing and Computer Vision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fuzzy measures and integrals -- Uncertainty quantification with Imprecise probability -- Textual data processing -- Belief functions theory and its applications -- Graphical models -- Fuzzy implications functions -- Applications in medicine and bioinformatics; real-world applications; soft computing for image processing -- Clustering -- Fuzzy logic, formal concept analysis and rough sets -- Graded and

many-valued modal logics -- Imperfect databases -- Multiple criteria decision methods; argumentation and belief revision; databases and information systems -- Conceptual aspects of data aggregation and complex data fusion -- Fuzzy sets and fuzzy logic -- Decision support -- Comparison measures.-Machine learning -- Social data processing -- Temporal data processing -- Aggregation.

Sommario/riassunto

This two volume set (CCIS 610 and 611) constitute the proceedings of the 16th International Conference on Information processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2016, held in Eindhoven, The Netherlands, in June 2016. The 127 revised full papers presented together with four invited talks were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on fuzzy measures and integrals; uncertainty quantification with imprecise probability; textual data processing; belief functions theory and its applications; graphical models; fuzzy implications functions; applications in medicine and bioinformatics; real-world applications; soft computing for image processing; clustering; fuzzy logic, formal concept analysis and rough sets; graded and many-valued modal logics; imperfect databases; multiple criteria decision methods; argumentation and belief revision; databases and information systems; conceptual aspects of data aggregation and complex data fusion; fuzzy sets and fuzzy logic; decision support; comparison measures; machine learning; social data processing; temporal data processing; aggregation.
