1.	Record Nr.	UNINA9910255005503321
	Titolo	Information Processing and Management of Uncertainty in Knowledge-Based Systems : 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, , 1865-0937 ; ; 610
	Disciplina	006.33
	Soggetti	Artificial intelligence Data mining Algorithms Computer science - Mathematics Mathematical statistics Machine theory Computer vision Artificial Intelligence Data Mining and Knowledge Discovery Probability and Statistics in Computer Science Formal Languages and Automata Theory 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 aspectsof data aggregation and complex data fusion; fuzzy sets and fuzzy logic; decision support; comparison measures; machine learning; social data processing; temporal data processing; aggregation.