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Altri autori (Persone)	HullermeierEyke KruseRudolf HoffmannFrank <1964->
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Nota di contenuto	Machine Learning and Data Mining -- Towards a Conscious Choice of a Fuzzy Similarity Measure: A Qualitative Point of View -- A Stochastic Treatment of Similarity -- Order-Based Equivalence Degrees for Similarity and Distance Measures -- Comparing Partitions by Subset

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Sommario/riassunto

The International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU, is organized every two years with the aim of bringing together scientists working on methods for the management of uncertainty and aggregation of information in intelligent systems. Since 1986, this conference has been providing a forum for the exchange of ideas between theoreticians and practitioners working in these areas. The 13 IPMU conference took place in Dortmund, Germany, June 28-July 2, 2010. This volume contains 77 papers selected through a rigorous reviewing process among 320 submissions from 36 countries. The contributions reflect the richness of research in the field of computational intelligence and represent several important developments, specifically focused on the following subfields: (a) machine learning, data mining, and pattern recognition, (b) uncertainty handling, (c) aggregation and fusion of information, (d) logic and knowledge processing. We were delighted that Melanie Mitchell (Portland State University, USA), Nihkil R. Pal (Indian Statistical Institute), Bernhard Schölkopf (Max Planck Institute for Biological Cybernetics, Tübingen, Germany) and Wolfgang Wahlster (German Research Center for Artificial Intelligence, Saarbrücken) accepted our invitation to present keynote lectures. Jim Bezdek received the Kampé de Fériet Award, granted every two years on the occasion of the IPMU conference, in view of his eminent research contributions to the handling of uncertainty in clustering, data analysis and pattern recognition.
