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Disciplina	006.3
Soggetti	Artificial intelligence Data mining Information storage and retrieval Application software User interfaces (Computer systems) Optical data processing Artificial Intelligence Data Mining and Knowledge Discovery Information Storage and Retrieval Information Systems Applications (incl. Internet) User Interfaces and Human Computer Interaction Computer Imaging, Vision, Pattern Recognition and Graphics
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Nota di contenuto	multi-dimensional data processing -- web systems -- intelligent decision making -- methods for scheduling -- collective intelligence in web systems – web systems analysis -- advanced data mining techniques and applications -- cooperative problem solving -- computational swarm intelligence -- semantic methods for knowledge discovery and communication.
Sommario/riassunto	The two volumes set LNCS 7653 and 7654 constitutes the refereed proceedings of the 4th International Conference on Computational

Collective Intelligence, ICCCI, held in Ho Chi Minh City, Vietnam, in November 2012. The 113 revised full papers presented were carefully reviewed and selected from 397 submissions. The papers are organized in topical sections on (Part I) knowledge integration; data mining for collective processing; fuzzy, modal, and collective systems; nature inspired systems; language processing systems; social networks and semantic web; agent and multi-agent systems; classification and clustering methods; modeling and optimization techniques for business intelligence; (Part II) multi-dimensional data processing; web systems; intelligent decision making; methods for scheduling; collective intelligence in web systems – web systems analysis; advanced data mining techniques and applications; cooperative problem solving; computational swarm intelligence; and semantic methods for knowledge discovery and communication.