Record Nr. UNISA996465880403316 Evolutionary Multi-Criterion Optimization [[electronic resource]]: 6th **Titolo** International Conference, EMO 2011, Ouro Preto, Brazil, April 5-8, 2011, Proceedings / / edited by Ricardo H.C. Takahashi, Kalyanmoy Deb, Elizabeth F. Wanner, Salvatore Greco Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 2011 **ISBN** 3-642-19893-7 Edizione [1st ed. 2011.] Descrizione fisica 1 online resource (XV, 620 p.) Theoretical Computer Science and General Issues, , 2512-2029;; 6576 Collana Disciplina 005.1 Soggetti Algorithms Numerical analysis Artificial intelligence Mathematical optimization Computational intelligence **Numerical Analysis** Artificial Intelligence Optimization Computational Intelligence Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di bibliografia Includes bibliographical references and index. Sommario/riassunto This book constitutes the refereed proceedings of the 6th International Conference on Evolutionary Multi-Criterion Optimization, EMO 2011, held in Ouro Preto, Brazil, in April 2011. The 42 revised full papers presented were carefully reviewed and selected from 83 submissions. The papers deal with fundamental questions of EMO theory, such as the development of algorithmically efficient tools for the evaluation of solution-set quality, the theoretical questions related to solution archiving and others. They report on the continuing effort in the

development of algorithms, either for dealing with particular classes of problems or for new forms of processing the problem information.

Almost one third of the papers is related to EMO applications in a diversity of fields. Eleven papers are devoted to promote the interaction with the related field of Multi-Criterion Decision Making (MCDM).