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| Collana | Programming and Software Engineering ; ; 7514 |
| Disciplina | 005.131 |
| Soggetti | Mathematical logic Numerical analysis Algorithms Computer logic Computer science—Mathematics Programming languages (Electronic computers) Mathematical Logic and Formal Languages Numeric Computing Algorithm Analysis and Problem Complexity Logics and Meanings of Programs Discrete Mathematics in Computer Science Programming Languages, Compilers, Interpreters |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | International conference proceedings. |
| Nota di bibliografia | Includes bibliographical references and author index. |
| Nota di contenuto | Invited Papers -- Best Paper -- Best Application Paper -- Honorable Mentions -- CP Main Track -- Application Track -- Multi-disciplinary Track. |
| Sommario/riassunto | This book constitutes the thoroughly refereed post-conference proceedings of the 18th International Conference on Principles and Practice of Constraint Programming (CP 2012), held in Québec, Canada, in October 2012. The 68 revised full papers were carefully selected from 186 submissions. Beside the technical program, the conference |

featured two special tracks. The former was the traditional application track, which focused on industrial and academic uses of constraint technology and its comparison and integration with other optimization techniques (MIP, local search, SAT, etc.) The second track, featured for the first time in 2012, concentrated on multidisciplinary papers: cross-cutting methodology and challenging applications collecting papers that link CP technology with other techniques like machine learning, data mining, game theory, simulation, knowledge compilation, visualization, control theory, and robotics. In addition, the track focused on challenging application fields with a high social impact such as CP for life sciences, sustainability, energy efficiency, web, social sciences, finance, and verification.
