Record Nr. UNISA996466051403316 Autore Bistarelli Stefano Titolo Semirings for Soft Constraint Solving and Programming [[electronic resource] /] / by Stefano Bistarelli Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 2004 **ISBN** 1-280-30701-3 9786610307012 3-540-25925-2 Edizione [1st ed. 2004.] Descrizione fisica 1 online resource (XII, 284 p.) Collana Lecture Notes in Computer Science, , 0302-9743 ; ; 2962 Disciplina 005.1/1 Soggetti Algebra Programming languages (Electronic computers) Computer programming Software engineering Computer logic Artificial intelligence Programming Languages, Compilers, Interpreters **Programming Techniques** Software Engineering Logics and Meanings of Programs Artificial Intelligence Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references. Nota di contenuto 1. Introduction -- 2. Soft Constraint Satisfaction Problems -- 3. Towards SCSPs Solutions -- 4. SCSP Abstraction -- 5. Higher Order Semiring-Based Constraints -- 6. Soft CLP -- 7. SCLP and Generalized Shortest Path Problems -- 8. Soft Concurrent Constraint Programming -- 9. Interchangeability in Soft CSPs -- 10. SCSPs for Modelling Attacks to Security Protocols -- 11. Conclusions and Directions for Future Work. Sommario/riassunto Constraint satisfaction and constraint programming have shown to be

very simple but powerful ideas, with applications in various areas. Still,

in the last ten years, the simple notion of constraints has shown some deficiencies concerning both theory and practice, typically in the way over-constrained problems and preferences are treated. For this reason, the notion of soft constraints has been introduced with semiring-based soft constraints and valued constraints being the two main general frameworks. This book includes formal definitions and properties of semiring-based soft constraints, as well as their use within constraint logic programming and concurrent constraint programming. Moreover, the author shows how to adapt existing notions and techniques such as abstraction and interchangeability to the soft constraint framework and it is demonstrated how soft constraints can be used in some application areas, such as security. Overall, this book is a great starting point for anyone interested in understanding the basics of semiring-based soft constraints.

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Titolo Resilient Borders and Cultural Diversity: Internationalism, Brand

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Sommario/riassunto

"This book discusses how the evolution of market-driven cultural globalization has reinforced the administration of national cultural borders in Japan. As a result of these processes, a particular kind of cross-border connectivity and exchange is embraced while cross-border dialogue and engagement with multicultural questions within Japan are discouraged"--Provided by publisher.