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Autore	Corradini Broussard, Domenico
Titolo	Disuguali dialoghi / Domenico Corradini
Descrizione fisica	79 p. ; 24 cm
Collana	Materiali didattici ETS ; 23
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910437583203321
Autore	Crespi Reghizzi Stefano
Titolo	Formal Languages and Compilation // by Stefano Crespi Reghizzi, Luca Breveglieri, Angelo Morzenti
Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2013
ISBN	1-4471-5514-9
Edizione	[2nd ed. 2013.]
Descrizione fisica	1 online resource (408 p.)
Collana	Texts in Computer Science, , 1868-0941
Disciplina	511.3
Soggetti	Logic, Symbolic and mathematical Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Introduction -- Syntax -- Finite Automata as Regular Language Recognizers -- Pushdown Automata and Parsing -- Translation Semantics and Static Analysis.
Sommario/riassunto	This fully revised and expanded new edition elucidates the elegance and simplicity of the fundamental theory underlying Formal Languages and Compilation. Retaining the reader-friendly, minimalist style of the first edition, this uniquely versatile textbook describes the essential principles and methods used for defining the syntax of artificial

languages, and for designing efficient parsing algorithms and syntax-directed translators with semantic attributes. A comprehensive selection of topics is presented within a rigorous, unified framework, illustrated by numerous practical examples. Features and topics:

- Presents a novel conceptual approach to parsing algorithms that applies to extended BNF grammars, together with a parallel parsing algorithm (NEW)
- Supplies supplementary teaching tools, including course slides and exercises with solutions, at an associated website
- Unifies the concepts and notations used in different approaches, enabling an extended coverage of methods with a reduced number of definitions
- Systematically discusses ambiguous forms, allowing readers to avoid pitfalls when designing grammars
- Describes all algorithms in pseudocode, so that detailed knowledge of a specific programming language is not necessary
- Makes extensive usage of theoretical models of automata, transducers and formal grammars
- Includes concise coverage of algorithms for processing regular expressions and finite automata
- Introduces static program analysis based on flow equations

This clearly-written, classroom-tested textbook is an ideal guide to the fundamentals of this field for advanced undergraduate and graduate students in computer science and computer engineering. Some background in programming is required, and readers should also be familiar with basic set theory, algebra and logic.
