

1. Record Nr.	UNINA9910484419603321
Titolo	Constraint solving and language processing : first international workshop, CSLP 2004, Roskilde, Denmark, September 1-3, 2004 : revised selected and invited papers // Henning Christiansen, Peter Rossen Skadhauge, Jrgen Villadsen (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (VIII, 205 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3438. Lecture notes in artificial intelligence
Altri autori (Persone)	ChristiansenHenning <1955-> SkadhaugePeter Rossen VilladsenJrgen
Disciplina	005.1/16
Soggetti	Constraint programming (Computer science) Logic programming Natural language processing (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"1st International Workshop on Constraint Solving and Language Processing"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- Property Grammars: A Fully Constraint-Based Theory -- An Abductive Treatment of Long Distance Dependencies in CHR -- Metagrammar Redux -- The Other Syntax: Approaching Natural Language Semantics Through Logical Form Composition -- Contributed Papers -- Gradience, Constructions and Constraint Systems -- Problems of Inducing Large Coverage Constraint-Based Dependency Grammar for Czech -- Multi-dimensional Graph Configuration for Natural Language Processing -- An Intuitive Tool for Constraint Based Grammars -- Parsing Unrestricted German Text with Defeasible Constraints -- Animacy Information in Human Sentence Processing: An Incremental Optimization of Interpretation Approach -- An Exploratory Application of Constraint Optimization in Mozart to Probabilistic Natural Language Processing -- A Constraint-Based Model for Lexical and Syntactic Choice in Natural Language Generation.
Sommario/riassunto	This volume contains selected and thoroughly revised papers plus contributions from invited speakers presented at the First International

Workshop on Constraint Solving and Language Processing, held in Roskilde, Denmark, September 1–3, 2004. Constraint Programming and Constraint Solving, in particular Constraint Logic Programming, appear to be a very promising platform, perhaps the most promising present platform, for bringing forward the state of the art in natural language processing, this due to the naturalness in specification and the direct relation to efficient implementation. Language, in the present context, may refer to written and spoken language, formal and semiformal language, and even general input data to multimodal and pervasive systems, which can be handled in very much the same ways using constraint programming. The notion of constraints, with slightly differing meanings, apply in the characterization of linguistic and cognitive phenomena, in formalized linguistic models as well as in implementation-oriented frameworks. Programming techniques for constraint solving have been, and still are, in a period with rapid development of new efficient methods and paradigms from which language processing can profit. A common metaphor for human language processing is one big constraint-solving process in which the different (usually specified) linguistic and cognitive phases take place in parallel and with mutual cooperation, which fits quite well with current constraint programming paradigms.

---