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| 1. Record Nr.           | UNINA9910484997903321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Titolo                  | Logic Programming and Nonmonotonic Reasoning : 12th International Conference, LPNMR 2013, Corunna, Spain, September 15-19, 2013. Proceedings / / edited by Pedro Cabalar, Tran Cao Son                                                                                                                                                                                                                                                                                                                                                            |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ISBN                    | 3-642-40564-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Edizione                | [1st ed. 2013.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Descrizione fisica      | 1 online resource (XVIII, 570 p. 70 illus.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Collana                 | Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 8148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Disciplina              | 006.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Soggetti                | Artificial intelligence<br>Computer science - Mathematics<br>Discrete mathematics<br>Computer science<br>Machine theory<br>Software engineering<br>Computer programming<br>Artificial Intelligence<br>Discrete Mathematics in Computer Science<br>Computer Science Logic and Foundations of Programming<br>Formal Languages and Automata Theory<br>Software Engineering<br>Programming Techniques                                                                                                                                                 |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Nota di contenuto       | Towards Reactive Multi-Context Systems -- Logic Programming in the 1970s -- Integrating Temporal Extensions of Answer Set Programming -- Forgetting under the Well-Founded Semantics -- The Fourth Answer Set Programming Competition: Preliminary Report -- WASP: A native ASP solver based on constraint learning -- The Complexity Boundary of Answer Set Programming with Generalized Atoms under the FLP Semantics -- ARVis: Visualizing Relations between Answer Sets -- Symbolic System Synthesis Using Answer Set Programming -- Accurate |

Computation of Sensitizable Paths using Answer Set Programming --  
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 -- Event-Object Reasoning with Curated Knowledge Bases: Deriving  
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 Minimal Change -- Normalizing Cardinality Rules using Merging and  
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 gene units -- Evaluating Reactive Answer Set Solving for General Game  
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 Extending the Metabolic Network of *Ectocarpus Siliculosus* using  
 Answer Set Programming -- Negation as a Resource: a novel view on  
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 Justification and -- Well-Founded Domination -- Approximate  
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 -- Representation Theorems for Revision of Logic -- Flexible  
 Combinatory Categorical Grammar Parsing using the CYK Algorithm and  
 Answer Set Programming -- Early Recovery in Logic Program Updates  
 -- Preference Handling for Belief-Based Rational Decisions -- Logic-  
 based techniques for data cleaning: an application to the Italian  
 National Healthcare System -- Justifications for Logic Programming --  
 Belief Change in Nonmonotonic Multi-Context Systems -- On optimal  
 solutions of answer set optimization problems.

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## Sommario/riassunto

This volume contains the refereed proceedings of the 12th  
 International Conference on Logic Programming and Nonmonotonic  
 Reasoning, LPNMR 2013, held in September 2013 in Corunna, Spain.  
 The 34 revised full papers (22 technical papers, 9 application  
 description, and 3 system descriptions) and 19 short papers (11  
 technical papers, 3 application descriptions, and 5 system descriptions)  
 presented together with 2 invited talks, were carefully reviewed and  
 selected from 91 submissions. Being a forum for exchanging ideas on  
 declarative logic programming, nonmonotonic reasoning, and  
 knowledge representation, the conference aims to facilitate interactions  
 between those researchers and practitioners interested in the design  
 and implementation of logic-based programming languages and  
 database systems, and those who work in the area of knowledge

representation and nonmonotonic reasoning.

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