

1. Record Nr.	UNINA9910437572003321
Titolo	Research and Development in Intelligent Systems XXX : Incorporating Applications and Innovations in Intelligent Systems XXI Proceedings of AI-2013, The Thirty-third SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence / / edited by Max Bramer, Miltos Petridis
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2013
ISBN	9783319026213 3319026216
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (xiv, 449 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	004 006.3 006.312 006.33
Soggetti	Artificial intelligence Data mining Artificial Intelligence Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Research and Development in Intelligent Systems XXX Best Technical Paper -- Pattern Graphs: Combining Multivariate Time Series and Labelled Interval Sequences for Classification -- Knowledge Discovery and Data Mining I -- Vertex Unique Labelled Subgraph Mining -- Hierarchical Single Label Classification: An Alternative Approach -- Classification based on Homogeneous Logical Proportions -- Knowledge Discovery and Data Mining II -- Predicting Occupant Locations Using Association Rule Mining -- Contextual Sentiment Analysis in Social Media Using High-Coverage Lexicon -- Profiling Spatial Collectives -- Sentiment Classification using Supervised Sub-Spacing -- Intelligent Agents -- On Applying Adaptive Data Structures to Multi-Player Game Playing -- Anytime Contract Search --

Diagnosing Dependent Action Delays in Temporal Multiagent Plans -- Representation and Reasoning -- Conditional Preference-nets, Possibilistic Logic, and the Transitivity of Priorities -- Using Structural Similarity for Effective Retrieval of Knowledge from Class Diagrams -- Formulating the Temporal Causal Relationships between Events and their Results -- Machine Learning and Constraint Programming -- The Importance of Topology Evolution in NeuroEvolution: A Case Study using Cartesian Genetic Programming of Artificial Neural Networks -- Inferring Context from Users' Reviews for Context Aware Recommendation -- Constraint Relationships for Soft Constraints -- Short Papers -- A Fuzzy Logic-based Decision Support System for the diagnosis of Arthritis Pain for Rheumatic Fever Patients -- A Viewpoint Approach to Structured Argumentation -- Rule Type Identification using TRCM for Trend Analysis in Twitter -- KNNs and Sequence Alignment for Churn Prediction. Applications and Innovations in Intelligent Systems XXI Best Application Paper -- Knowledge Formalisation for Hydrometallurgical Gold Ore Processing -- Medical Applications -- Extracting and Visualising Clinical Statements from Electronic Health Records -- Evaluation of Machine Learning Techniques in Predicting Acute Coronary Syndrome Outcome -- Applications in Education and Information Science -- An AI-based Process for Generating Games from Flat Stories -- Partridge: An Effective System for the Automatic Classification of the Types of Academic Papers -- Aggregation Semantics for Link Validity -- AI Applications -- Efficient Interactive Budget Planning and Adjusting Under Financial Stress -- 'The First Day of Summer': Parsing Temporal Expressions with Distributed Semantics -- Genetic Programming for Wind Power Forecasting and Ramp Detection -- Automated River Segmentation using Simulated Annealing -- Short Papers -- A Multiagent Based Framework for the Simulation of Mammalian Behaviour -- Parameter Estimation of Nonlinear Systems Using Lévy Flight Cuckoo Search.

---

#### Sommario/riassunto

The papers in this volume are the refereed papers presented at AI-2013, the Thirty-third SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence, held in Cambridge in December 2013 in both the technical and the application streams. They present new and innovative developments and applications, divided into technical stream sections on Knowledge Discovery and Data Mining I, Knowledge Discovery and Data Mining II, Intelligent Agents, Representation and Reasoning, and Machine Learning and Constraint Programming, followed by application stream sections on Medical Applications, Applications in Education and Information Science, and AI Applications. The volume also includes the text of short papers presented as posters at the conference. This is the thirtieth volume in the Research and Development in Intelligent Systems series, which also incorporates the twenty-first volume in the Applications and Innovations in Intelligent Systems series. These series are essential reading for those who wish to keep up to date with developments in this important field.

---