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Collana	Lecture Notes in Artificial Intelligence ; ; 1721
Disciplina	501
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Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- The Melting Pot of Automated Discovery: Principles for a New Science -- Expressive Probability Models in Science -- Contributed Papers -- Weighted Majority Decision among Several Region Rules for Scientific Discovery -- CAEP: Classification by Aggregating Emerging Patterns -- An Appropriate Abstraction for an Attribute-Oriented Induction -- Collaborative Hypothesis Testing Processes by Interactive Production Systems -- Computer Aided Discovery of User's Hidden Interest for Query Restructuring -- Iterative Naive Bayes -- Schema Design for Causal Law Mining from Incomplete Database -- Design and Evaluation of an Environment to Automate the Construction of Inductive Applications -- Designing Views in HypothesisCreator: System for Assisting in Discovery -- Discovering Poetic Allusion in Anthologies of Classical Japanese Poems -- Characteristic Sets of Strings Common to Semi-structured Documents -- Approximation of Optimal Two-Dimensional Association Rules for Categorical Attributes Using Semidefinite Programming -- Data Mining of Generalized Association Rules Using a Method of Partial-Match Retrieval -- Adaptive Sampling Methods for Scaling Up Knowledge Discovery Algorithms -- Scheduled Discovery of Exception Rules -- Learning in Constraint Databases -- Discover Risky Active Faults by Indexing an Earthquake Sequence -- Machine Discovery Based on the Co-occurrence of References in a Search Engine -- Smoothness Prior

Approach to Explore the Mean Structure in Large Time Series Data -- Automatic Detection of Geomagnetic Sudden Commencement Using Lifting Wavelet Filters -- A Noise Resistant Model Inference System -- A Graphical Method for Parameter Learning of Symbolic-Statistical Models -- Parallel Execution for Speeding Up Inductive Logic Programming Systems -- Discovery of a Set of Nominally Conditioned Polynomials -- H-Map: A Dimension Reduction Mapping for Approximate Retrieval of Multi-dimensional Data -- Normal Form Transformation for Object Recognition Based on Support Vector Machines -- Posters -- A Definition of Discovery in Terms of Generalized Descriptive Complexity -- Feature Selection Using Consistency Measure -- A Model of Children's Vocabulary Acquisition Using Inductive Logic Programming -- Automatic Acquisition of Image Processing Procedures from Sample Sets of Classified Images Based on Requirement of Misclassification Rate -- "Thermodynamics" from Time Series Data Analysis -- Developing a Knowledge Network of URLs -- Derivation of the Topology Structure from Massive Graph Data -- Mining Association Algorithm Based on ROC Convex Hull Method in Bibliographic Navigation System -- Regularization of Linear Regression Models in Various Metric Spaces -- Argument-Based Agent Systems -- Graph-Based Induction for General Graph Structured Data -- Rules Extraction by Constructive Learning of Neural Networks and Hidden-Unit Clustering -- Weighted Majority Decision among Region Rules for a Categorical Dataset -- Rule Discovery Technique Using GP with Crossover to Maintain Variety -- From Visualization to Interactive Animation of Database Records -- Extraction of Primitive Motion for Human Motion Recognition -- Finding Meaningful Regions Containing Given Keywords from Large Text Collections -- Mining Adaptation Rules from Cases in CBR Systems -- An Automatic Acquisition of Acoustical Units for Speech Recognition Based on Hidden Markov Network -- Knowledge Discovery from Health Data Using Weighted Aggregation Classifiers -- Search for New Methods for Assignment of Complex Molecular Spectra -- Automatic Discovery of Definition Patterns Based on the MDL Principle -- Detection of the Structure of Particle Velocity Distribution by Finite Mixture Distribution Model -- Mutagenesis Discovery Using PC GUHA Software System -- Discovering the Primary Factors of Cancer from Health and Living Habit Questionnaires.
