

## ECML'02 Accepted Papers

---

1. Bikramjit Banerjee and Jing Peng: Convergent Gradient Ascent in General-Sum Games
2. Stephen D. Bay, Daniel G. Shapiro, and Pat Langley: Revising Engineering Models: Combining Computational Discovery with Knowledge
3. Wray Buntine: Variational Extensions to EM and Multinomial PCA
4. Xavier Carreras, Lluís Màrquez, Vasin Punyakanok, and Dan Roth: Learning and Inference for Clause Identification
5. Honghua Dai, Gang Li, and Yiqing Tu: An Empirical Study of Encoding Schemes and Search Strategies in Discovering Causal Networks
6. Philip Derbeko, Ran El-Yaniv, and Ron Meir: Variance Optimized Bagging
7. Günther Eibl and Karl Peter Pfeiffer: Make AdaBoost.M1 Work for Weak Base Classifiers by Changing Only One Line of the Code
8. Yaakov Engel, Shie Mannor, and Ron Meir: Sparse Online Greedy Support Vector Regression
9. Johannes Fürnkranz: Pairwise Classification as an Ensemble Technique
10. Grzegorz Góra and Arkadiusz Wojna: RIONA: A Classifier Combining Rule Induction and k-NN Method with Automated Selection of Optimal Neighbourhood
11. Ole Martin Halck: Using Hard Classifiers to Estimate Conditional Class Probabilities
12. Harlan D. Harris: Evidence that Incremental Delta-Bar Delta is an Attribute-Efficient Linear Learner
13. Susanne Hoche and Stefan Wrobel: Scaling Boosting by Margin-Based Inclusion of Features and Relations
14. Geoffrey Holmes, Bernhard Pfahringer, Richard Kirkby, Eibe Frank, and Mark Hall: Multiclass Alternating Decision Trees
15. Eyke Hüllermeier: Possibilistic Induction in Decision-Tree Learning
16. Christopher Kermorvant and Pierre Dupont: Improved Smoothing for Probabilistic Suffix Trees Seen as Variable Order Markov Chains
17. Stefan Klink, Armin Hust, Markus Junker, and Andreas Dengel: Collaborative Learning of Term-Based Concepts for Automatic Query Expansion
18. Tony Kråkenes and Ole Martin Halck: Learning to Play a Highly Complex Game from Human Expert Games
19. Matjaž Kukar and Igor Kononenko: Reliable Classifications with Machine Learning
20. Nicholas Kushmerick: Robustness Analyses of Instance-Based Collaborative Recommendation

21. Stephen Kwek and Chau Nguyen: *i*Boost: Boosting Using an Instance-Based Weighting Scheme
22. Marcus-Christopher Ludl and Gerhard Widmer: Towards a Simple Clustering Criterion Based on Minimum Length Encoding
23. Dragos D. Margineantu: Class Probability Estimation and Cost-Sensitive Classification Decisions
24. Mario Martin: On-line Support Vector Machine
25. Ishai Menache, Shie Mannor, and Nahum Shimkin: Q-Cut — Dynamic Discovery of Sub-Goals in Reinforcement Learning
26. Katharina Morik and Stefan Rueping: A Multistrategy Approach to the Classification of Phases in Business Cycles
27. Richard Nock and Patrice Lefaucheur: A Robust Boosting Algorithm
28. Santiago Ontañón and Enric Plaza: Case Exchange Strategies in Multiagent Learning
29. Harris Papadopoulos, Kostas Proedrou, Volodya Vovk, and Alex Gammerman: Inductive Confidence Machines for Regression
30. Lourdes Peña Castillo and Stefan Wrobel: Macro-Operators in Multirelational Learning: A Search-Space Reduction Technique
31. Philippe Preux: Propagation of Q-values in tabular TD( $\lambda$ )
32. Kostas Proedrou, Ilia Nouretdinov, Volodya Vovk, and Alex Gammerman: Transductive Confidence Machines for Pattern Recognition
33. Bohdana Ratitch and Doina Precup: Characterizing Markov Decision Processes
34. Ulrich Rückert, Stefan Kramer, and Luc De Raedt: Phase Transitions and Stochastic Local Search in  $k$ -Term DNF Learning
35. Janne Sinkkonen, Samuel Kaski, and Janne Nikkilä: Discriminative Clustering: Optimal Contingency Tables by Learning Metrics
36. Franck Thollard, Marc Sebban, and Philippe Ezequel: Boosting Density Function Estimators
37. Ljupčo Todorovski, Hendrik Blockeel, and Sašo Džeroski: Ranking with Predictive Clustering Trees
38. Ioannis Tsochantaridis and Thomas Hofmann: Support Vector Machines for Polycategorical Classification
39. Jean-Noël Vittaut, Massih-Reza Amini, and Patrick Gallinari: Learning Classification with Both Labeled and Unlabeled Data
40. Chen-Hsiang Yeang: An Information Geometric Perspective on Active Learning
41. Bernard Ženko and Sašo Džeroski: Stacking with an Extended Set of Meta-Level Attributes and MLR