

Table of Contents

Invited Talks

Representing the Spatial / Kinematic Domain and Lattice Computers <i>John Case, Dayanand S. Rajan, Anil M. Shende</i>	1
A Solution of the Credit Assignment Problem in the Case of Learning Rectangles <i>Zhixiang Chen, Wolfgang Maass</i>	26
Learning Decision Strategies with Genetic Algorithms <i>John J. Grefenstette</i>	35
Background Knowledge and Declarative Bias in Inductive Concept Learning <i>Nada Lavrac, Saso Dzeroski</i>	51
Too Much Information Can be Too Much for Learning Efficiently <i>Rolf Wiehagen, Thomas Zeugmann</i>	72

Submitted Papers

Some Experiments with a Learning Procedure <i>Kurt Ammon</i>	87
Unions of Identifiable Classes of Total Recursive Functions <i>Kalvis Apsitis, Rusins Freivalds, Martins Krikis, Raimonds Simanovskis, Juris Smotrovs</i>	99
Learning from Multiple Sources of Inaccurate Data <i>Ganesh Baliga, Sanjay Jain, Arun Sharma</i>	108
Strong Separation of Learning Classes <i>John Case, Keh-Jiann Chen, Sanjay Jain</i>	129
Desiderata for Generalization-to-N Algorithms <i>William W. Cohen</i>	140
The Power of Probabilism in Popperian FINite Learning <i>Robert P. Daley, Bala Kalyanasundaram, Mahendran Velauthapillai</i>	151

An Analysis of Various Forms of 'Jumping to Conclusions' <i>Peter A. Flach</i>	170
An Inductive Inference Approach to Classification <i>Rusins Freivalds, Achim G. Hoffmann</i>	187
Asking Questions Versus Verifiability <i>William I. Gasarch,</i> <i>Mahendran Velauthapillai</i>	197
Predictive Analogy and Cognition <i>Bipin Indurkha</i>	214
Learning a Class of Regular Expressions via Restricted Subset Queries <i>Efim Kinber</i>	232
A Unifying Approach to Monotonic Language Learning on Informant <i>Steffen Lange, Thomas Zeugmann</i>	244
Characterization of Finite Identification <i>Yasuhito Mukouchi</i>	260
A Model of the Redescription Process in the Context of Geometric Proportional Analogy Problems <i>Scott O'Hara</i>	268
Inductive Strengthening: The Effects of a Simple Heuristic for Restricting Hypothesis Space Search <i>Foster John Provost, Bruce G. Buchanan</i>	294
On Identifying DNA Splicing Systems from Examples <i>Yuji Takada, Rani Siromoney</i>	305