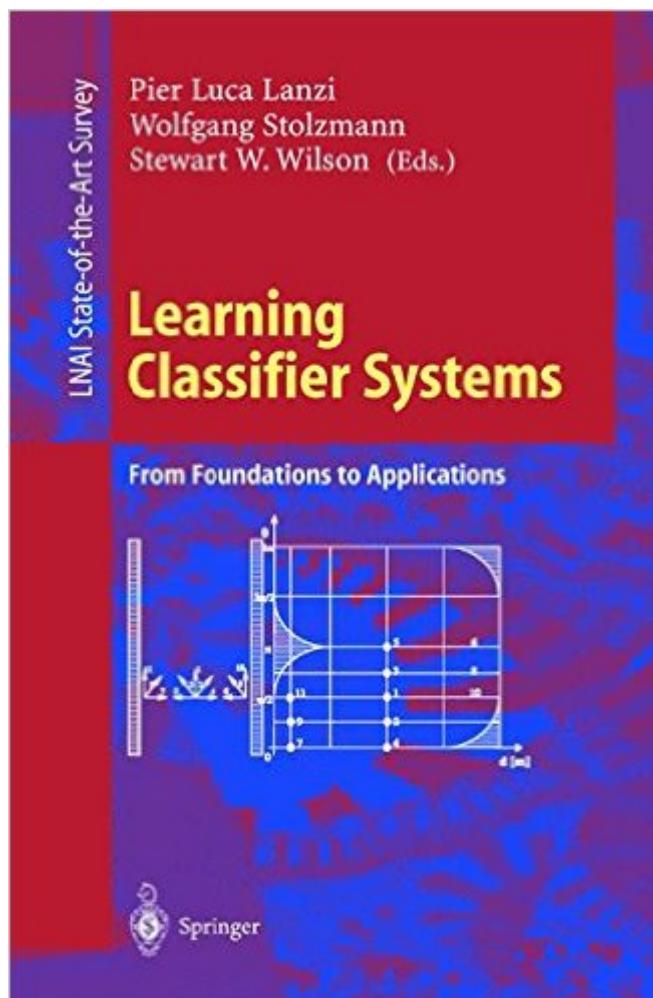


The book was found

# Learning Classifier Systems: From Foundations To Applications (Lecture Notes In Computer Science)



## Synopsis

Learning Classifier Systems (LCS) are a machine learning paradigm introduced by John Holland in 1976. They are rule-based systems in which learning is viewed as a process of ongoing adaptation to a partially unknown environment through genetic algorithms and temporal difference learning. This book provides a unique survey of the current state of the art of LCS and highlights some of the most promising research directions. The first part presents various views of leading people on what learning classifier systems are. The second part is devoted to advanced topics of current interest, including alternative representations, methods for evaluating rule utility, and extensions to existing classifier system models. The final part is dedicated to promising applications in areas like data mining, medical data analysis, economic trading agents, aircraft maneuvering, and autonomous robotics. An appendix comprising 467 entries provides a comprehensive LCS bibliography.

## Book Information

Series: Lecture Notes in Computer Science (Book 1813)

Paperback: 347 pages

Publisher: Springer; 2000 edition (July 31, 2000)

Language: English

ISBN-10: 3540677291

ISBN-13: 978-3540677291

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,594,184 in Books (See Top 100 in Books) #41 in Books > Computers & Technology > Programming > Algorithms > Genetic #371 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Machine Theory #1095 in Books > Computers & Technology > Databases & Big Data > Data Mining

[Download to continue reading...](#)

Learning Classifier Systems: From Foundations to Applications (Lecture Notes in Computer Science) Database and Expert Systems Applications: 13th International Conference, DEXA 2002, Aix-en-Provence, France, September 2-6, 2002. Proceedings (Lecture Notes in Computer Science) Biomimetic Neural Learning for Intelligent Robots: Intelligent Systems, Cognitive Robotics, and Neuroscience (Lecture Notes in Computer Science) Eurocode '90: International Symposium on Coding Theory and Applications : Proceedings (Lecture Notes in Computer Science) Trends in

Distributed Systems: CORBA and Beyond: International Workshop TreDS '96 Aachen, Germany, October 1 - 2, 1996; Proceedings (Lecture Notes in Computer Science) Performance Evaluation of Complex Systems: Techniques and Tools: Performance 2002. Tutorial Lectures (Lecture Notes in Computer Science) Software Reuse for Dynamic Systems in the Cloud and Beyond: 14th International Conference on Software Reuse, ICSR 2015, Miami, FL, USA, January 4-6, ... (Lecture Notes in Computer Science) Nutritional Foundations and Clinical Applications: A Nursing Approach, 5e (Foundations and Clinical Applications of Nutrition) Automated Reasoning with Analytic Tableaux and Related Methods: 16th International Conference, TABLEAUX 2007, Aix en Provence, France, July 3-6, 2007, Proceedings (Lecture Notes in Computer Science) Ada 95 Rationale: The Language - The Standard Libraries (Lecture Notes in Computer Science) Ada 95 Reference Manual. Language and Standard Libraries: International Standard ISO/IEC 8652:1995 (E) (Lecture Notes in Computer Science) Consolidated Ada Reference Manual: Language and Standard Libraries (Lecture Notes in Computer Science) (v. 1) Practical Aspects of Declarative Languages: Third International Symposium, PADL 2001 Las Vegas, Nevada, March 11-12, 2001 Proceedings (Lecture Notes in Computer Science) Generalized Quantifiers and Computation: 9th European Summer School in Logic, Language, and Information, ESSLLI'97 Workshop, Aix-en-Provence, France, ... Lectures (Lecture Notes in Computer Science) Spatial Cognition V: Reasoning, Action, Interaction (Lecture Notes in Computer Science) Cryptography and Lattices: International Conference, CaLC 2001, Providence, RI, USA, March 29-30, 2001. Revised Papers (Lecture Notes in Computer Science) Wireless Sensor Networks: Third European Workshop, EWSN 2006, Zurich, Switzerland, February 13-15, 2006, Proceedings (Lecture Notes in Computer Science) Mobile Entity Localization and Tracking in GPS-less Environments: Second International Workshop, MELT 2009, Orlando, FL, USA, September 30, 2009, Proceedings (Lecture Notes in Computer Science) Dynamical Vision: ICCV 2005 and ECCV 2006 Workshops, WDV 2005 and WDV 2006, Beijing, China, October 21, 2005, Graz, Austria, May 13, 2006, Revised Papers (Lecture Notes in Computer Science) Performance Evaluation: Origins and Directions (Lecture Notes in Computer Science)

[Dmca](#)