From the journals. . . .

EXPERT SYSTEMS
Vol. 3 No. 2
Articles
The Fossil expert system
D. R. Brough and I. F. Alexander
Useful approach for evaluating expert systems
Dr. Jay Liebowitz
Survey of expert systems for fault detection, test generation and maintenance
L. F. Pau
Interview
News
Recent articles

THE JOURNAL OF LOGIC PROGRAMMING
Vol. 4 No. 1
Articles
A note of the complexity of the satisfiability of modal horn clauses
Luis Fariñas del Cerro and Martti Penttonen
Enumeration operators and modular logic programming
Melvin Fitting
Efficient loop detection in prolog using the tortoise-and-hare technique
Allen van Gelder
On determining the cause of nonunifiability
P. T. Cox
Logic programming and digital analysis
W. F. Clocksin
Book review

JOURNAL OF AUTOMATED REASONING
Vol. 3 No. 1
Articles
Link inheritance in abstract clause graphs
Hans Jürgen Ohlbach
Hierarchical deduction basic research problems
Tie-Cheng Wang and W. W. Bledsoe
Editor's Note
Some obstacles to the automation of reasoning, and the problem of redundant information
Larry Wos
Problem corner:
A case study in automated theorem proving: Finding sages in combinatory logic
William McCune and Larry Wos
Change of address
Announcements

COGNITIVE SCIENCE
Vol. 11 No. 1
Articles
Cognitive science news
Mental spaces from a functional perspective
John Dinsmore
Competitive learning: From interactive activation to adaptive resonance
Stephen Grossberg
Why a diagram is (sometimes) worth ten thousand words
Jill H. Larkin and Herbert A. Simon
Plans and semantics in human processing of language
Henry Hamburger and Stephen Crain
Book review

IEEE EXPERT
Vol. 2 No. 1
Articles
Using expert systems: The legal perspective
Janet S. Zeide and Jay Liebowitz
Expert systems in space
David Leinweber
CoalSORT: A knowledge-based interface
Ira Monarch and Jaime Carbonell
ASDEP: An expert system for electric power plant design
John J. Jansen and Hans B. Püttgen
Special feature article
How feasible is automated discovery?
Michael G. Walker

Books received for review

Pat Langley, Herb Simon, Gary Bradshaw and Jan M. Zytkow. "Scientific Discovery", Cambridge: MIT, 1987, 350 pp.

P. Slatter. "Building expert system: cognitive emulation", Ellis Horwood/Wiley: Chichester, 1987, 140 pp.

D.D. Wolfgram, T.J. Dear and C.S. Galbraith. "Expert systems for the technical professional". New York: Wiley 1987, 300 pp.

G.G. Wilkinson and A.R. Winterflood (Eds.). "Fundamentals of information technology", Chichester: Wiley, 1987, 350 pp, ISBN 0 471 91003 1.

Wolfgang Bibel. "Automated theorem proving" Second edition, Vieweg, 1987, 280 pp.

J. Hallam and C. Mellish (Eds.). Advances in Artificial Intelligence, Wiley, 1987, 290 pp.

J.-P. Haton (Ed.). Fundamentals in computer understanding: Speech and vision (An advanced course) Cambridge University Press, 273 pp.

I. Bratko and Lavrac N. (Eds.). Progress in machine learning. Proceedings of EWSL 87: 2nd European working session on learning, Bled, Yugoslavia, 1987. Wilmslow: Sigma Press, 256 pp.