A Bibliography on Hybrid Reasoning

Alan M. Frisch and Richard B. Scherl

This bibliography was originally compiled for and distributed at the 1988 Workshop on Principles of Hybrid Reasoning. An informal proceedings was distributed to all participants prior to the workshop. Since the proceedings included previously-published papers and early drafts of work in progress, it was distributed no further. However, since most of the draft papers have subsequently appeared in published form, it is now possible to give a virtual proceedings. Published versions of the proceedings papers are indicated in this bibliography with an asterisk.

We make no claim about this completeness of this bibliography and solicit suggestions for additional entries. Please send suggestions, preferably in Bibtex format, to either author by electronic mail (frisch@cs.uiuc.edu or scherl@cs.uiuc.edu).

Electronic copies of the BibTeX entries for this bibliography can be obtained by anonymous ftp from a.c.s.uiuc.edu. The file to be copied is pub/hybrid.bib.

This bibliography has been selected from a wide variety of sources. We thank all who have sent us their bibliographic files, especially Charlene Bloch and Peter Patel-Schneider.


[Feferman, 1974] S. Feferman. Applica-
Joseph A. Goguen, and Gert Smolka. 


About the Authors

Alan M. Frisch is an assistant professor in the Department of Computer Science and the Beckman Institute for Advanced Science and Technology at the University of Illinois (405 N. Mathews Ave., Urbana, IL 61801). He was awarded a Ph.D. in computer science by the University of Rochester in 1986 and has taught artificial intelligence at Rochester and the University of Sussex. His dissertation work on knowledge retrieval as specialized inference led him to other investigations of specialized deduction and hybrid reasoning, and resulted in his development of the substitutional framework for hybrid reasoning.

Richard Scherl is a doctoral candidate in the Department of Computer Science at the University of Illinois (405 N. Mathews Ave., Urbana, IL 61801). He received his B.A. from Columbia University and M.A. from the University of Chicago. His primary research interests are in the areas of logic-based knowledge representation and automated deduction. The topic of his Ph.D. dissertation is a general method for the construction of modal deductive systems, based on principles of hybrid deduction.

Alan M. Frisch and Richard Scherl are both members of the artificial intelligence community and have contributed significantly to the field of hybrid reasoning.