

Computational Logic: (Constraint) Logic Programming

Theory, practice, and implementation

Textbooks and References

*Department of Artificial Intelligence
School of Computer Science
Technical University of Madrid
28660-Boadilla del Monte, Madrid, SPAIN*

The following people have contributed to this course material:

Manuel Hermenegildo (editor), Francisco Bueno, Manuel Carro, Pedro López, and Daniel Cabeza, Technical University of Madrid, Spain; María José García de la Banda, Monash University, Australia; David H. D. Warren, University of Bristol, U.K.; Ulrich Neumerkel, Technical University of Vienna, Austria; Michael Codish, Ben Gurion University, Israel

Bibliography - I

- Basic references:

- ◇ “The Art of Prolog” (Second edition), Sterling & Shapiro, MIT Press, 1994.
- ◇ “Programming with Constraints: An Introduction”, Marriott & Stuckey, MIT Press, 1998.

- Other basic references:

- ◇ “From Logic Programming to Prolog”, K. Apt, Prentice–Hall, 1997.
- ◇ “Prolog Programming for Artificial Intelligence”, I. Bratko, Addison–Wesley Ltd. 1990 (2nd edition); 2000 (3rd edition).
- ◇ “Programming in Prolog”, Clocksin & Mellish, 1981, Springer–Verlag.

Textbooks and References - II

- Background references:
 - ◇ “Logic for Computer Science: Foundations of Automatic Theorem Proving”, J.H. Gallier, 1987, John Wiley and Sons.
- More advanced references:
 - ◇ “Special Issue on Ten Years of Logic Programming,” The Journal of Logic Programming, Volumes 19/20, North Holland, 1994.
 - ◇ “Warren’s Abstract Machine: A Tutorial Reconstruction,” H. Ait-Kaci, MIT Press, 1991.
 - ◇ “Constraint Satisfaction in L.P.”, P. Van Hentenryck, 1989, MIT Press.
- Other useful references:
 - ◇ “Essentials of Logic Programming”, C. Hogger, 1990, Clarendon Press, Oxford.
 - ◇ “Concurrent Prolog–Collected Papers,” E. Shapiro, MIT Press, 1987.