Lamma / Mello

Extensions of Logic Programming

Third International Workshop, ELP '92, Bologna, Italy, February 26-28, 1992. Proceedings

This book contains papers which investigate how to extend logic programming toward the artificial intelligence and software engineering areas, covering both theoretical and practical aspects. Some papers investigate topics such as abductive reasoning and negation. Some works discuss how to enhance the expressive power of logic programming by introducing constraints, sets, and integration with functional programming. Other papers deal with the structuring of knowledge into modules, taxonomies, and objects, withthe aim of extending logic programming toward software engineering applications. A section is devoted to papers concentrating on proof theory and inspired by Gentzen-style sequent or natural deduction systems. Topics such as concurrency are considered to enhance the expressive power of logic languages. Finally, some papers mainly concernimplementation techniques for some of these logic programming extensions.

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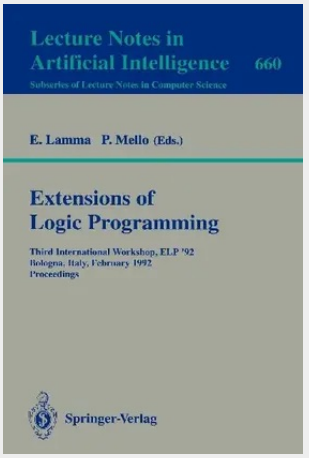

53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540564546
Medium: Buch
ISBN: 978-3-540-56454-6
Verlag: Springer
Erscheinungstermin: 12.02.1993
Sprache(n): Englisch
Auflage: Erscheinungsjahr 1993
Serie: Lecture Notes in Computer Science
Produktform: Kartoniert
Gewicht: 1340 g
Seiten: 426
Format (B x H): 155 x 235 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)