

Lecture Notes in Artificial Intelligence 1919

Subseries of Lecture Notes in Computer Science

Edited by J. G. Carbonell and J. Siekmann

Lecture Notes in Computer Science

Edited by G. Goos, J. Hartmanis and J. van Leeuwen

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Logics in Artificial Intelligence

European Workshop, JELIA 2000
Málaga, Spain, September 29 – October 2, 2000
Proceedings



Springer

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Cataloging-in-Publication Data applied for

Die Deutsche Bibliothek - CIP-Einheitsaufnahme

Logics in artificial intelligence : European workshop ; proceedings /
JELIA 2000, Málaga, Spain, September 29 - October 2, 2000. Manuel
Ojeda-Aciego ... (ed.). - Berlin ; Heidelberg ; New York ; Barcelona ;
Hong Kong ; London ; Milan ; Paris ; Singapore ; Tokyo : Springer, 2000
(Lecture notes in computer science ; Vol. 1919 : Lecture notes in
artificial intelligence)
ISBN 3-540-41131-3

CR Subject Classification (1998): I.2, F.4.1, D.1.6

ISBN 3-540-41131-3 Springer-Verlag Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by Boller Mediendesign
Printed on acid-free paper SPIN 10722808 06/3142 5 4 3 2 1 0

Preface

Logics have, for many years, laid claim to providing a formal basis for the study of artificial intelligence. With the depth and maturity of methodologies, formalisms, procedures, implementations, and their applications available today, this claim is stronger than ever, as witnessed by increasing amount and range of publications in the area, to which the present proceedings accrue.

The European series of Workshops on Logics in Artificial Intelligence (or *Journées Européennes sur la Logique en Intelligence Artificielle – JELIA*) began in response to the need for a European forum for the discussion of emerging work in this burgeoning field. JELIA 2000 is the seventh such workshop in the series, following the ones held in Roscoff, France (1988); Amsterdam, Netherlands (1990); Berlin, Germany (1992); York, U.K. (1994); Évora, Portugal (1996); and Dagstuhl, Germany (1998).

JELIA 2000 will take place in Málaga, Spain, from 29 September to 2 October 2000. The workshop is organized and hosted by the Research Group of Mathematics Applied to Computing of the Department of Applied Mathematics of the University of Málaga.

As in previous workshops, the aim is to bring together researchers involved in all aspects of logic in artificial intelligence. Additional sponsorship was provided by the ESPRIT NOE Compulog-Net.

This volume contains the papers selected for presentation at the workshop along with abstracts and papers from the invited speakers. The programme committee selected these 23 papers, from 12 countries (Australia, Austria, Belgium, Canada, Finland, Germany, Hong Kong, Italy, The Netherlands, Portugal, Spain, and the United Kingdom), out of 60 submissions, from 22 countries (submissions were also received from Argentina, Brazil, Czech Republic, France, Japan, Mexico, Poland, Slovakia, Sweden, and Switzerland). We would like to thank all authors for their contributions as well as the invited speakers Johan van Benthem from the University of Amsterdam (The Netherlands), Thomas Eiter from the Vienna University of Technology (Austria), Reiner Hähnle from the Chalmers University of Technology (Sweden), and Frank Wolter from the University of Leipzig (Germany).

Papers were reviewed by the programme committee members with the help of the additional referees listed overleaf. We would like thank them all for their valuable assistance. It is planned that a selection of extended versions of the best papers will be published in the journal *Studia Logica*, after being subjected again to peer review.

September 2000

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Inma P. de Guzmán
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Logics in Artificial Intelligence

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