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Symbolic and Quantitative Approaches to Reasoning and Uncertainty

European Conference, ECSQARU '95
Fribourg, Switzerland, July 3-5, 1995
Proceedings

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Series Editors

Jaime G. Carbonell
School of Computer Science, Carnegie Mellon University
Pittsburgh, PA 15213-3891, USA

Jörg Siekmann
University of Saarland, German Research Center for AI (DFKI)
Stuhlsatzenhausweg 3, D-66123 Saarbrücken, Germany

Volume Editors

Christine Froidevaux
LRI, University of Paris-Sud
Bât. 490, F-91405 Orsay, France

Jürg Kohlas
Institute of Informatics, University of Fribourg
Site Regina Mundi, CH-1700 Fribourg, Switzerland

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Preface

This volume contains the papers accepted for presentation at ECSQARU'95, the European Conference on Symbolic and Quantitative Approaches to Reasoning and Uncertainty, held at the University of Fribourg, Switzerland, July 3 to 5, 1995.

In recent years it has become apparent that an important part of the theory of Artificial Intelligence is concerned with reasoning on the basis of uncertain, vague, incomplete, or inconsistent information. Classical logic and probability theory are only partially adequate for this and a variety of other formalisms both symbolic and numerical have been developed, some of the most familiar being nomonotonic logics, modal logics, fuzzy sets, possibility theory, belief functions, evidence theory, and dynamic models of reasoning such as belief revision and Bayesian networks.

ECSQARU'95 is the third in a biennial series of conferences which provide a forum for the development, synthesis, and discussion of approaches to reasoning and uncertainty. The first was held in Marseille in 1991 (LNCS 548) and the second in Granada in 1993 (LNCS 747). Like its predecessors, ECSQARU'95 is sponsored and organized by the DRUMS consortium (Defeasible Reasoning and Uncertainty Management Systems, ESPRIT III Basic Research Action 6156), which involves twenty-one European partners, and by the European Society for Automated Practical Reasoning and Argumentation (ESAPRA).

The Executive Scientific Committee for the conference consisted of John Bell (QMW, University of London), Christine Froidevaux (LRI, University of Paris 11), Jürg Kohlas (University of Fribourg), Rudolf Kruse (University of Braunschweig), Ramon Lopez de Mantaras (CEAB, Blanes), Erik Sandewall (University of Linköping), Philippe Smets (IRIDIA, University of Brussels). We gratefully acknowledge the contribution of the many referees, who were involved in the reviewing process. Finally we would like to thank the University of Fribourg for the support it gave the organizers. Jürg Kohlas was responsible for the local organization in Fribourg.

April 1995

Christine Froidevaux, Jürg Kohlas
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