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# Preface

This volume comprises the proceedings of the *First All-Berlin Workshop on Nonclassical Logics and Information Processing* which was held at the Freie Universität on the first anniversary of the opening of the Berlin Wall, 9-10 November, 1990.

For the field of logic and computer science, the meeting provided one of the first opportunities for researchers from all parts of the formerly divided city to come together and exchange ideas. In addition, a grant from the Berlin *Senat für Wissenschaft und Forschung* made it possible to invite several colleagues from outside the city. We gratefully acknowledge this financial support, as well as further assistance from the Freie Universität.

The scope of the workshop was broad, covering various different subfields of logic (particularly nonclassical logic) and its applications in artificial intelligence. A number of papers presented are appearing elsewhere and could not be included in this volume. Nevertheless, the remaining papers appearing here provide a representative selection and cover all the main themes discussed in the workshop. They have been grouped according to the four major topics that emerged at the meeting: modal systems, logic programming, nonmonotonic logics, and proof theory. The classification is only intended to provide a rough and ready guide, however, since these areas, particularly the last three, overlap considerably. Thus, for instance, the contributions of Heinrich Herre and Peter Schroeder-Heister are also of special relevance for logic programming.

We would like to thank the speakers and participants of the workshop, for their stimulating talks and discussions, the authors, who in many cases submitted substantially revised and extended versions of their papers, and the referees, for their prompt responses to our requests for comments and evaluations. Lastly, a special word of thanks to Jörg Siekmann for supporting the publication of these proceedings in LNAI, as well as to Springer-Verlag for their patience in awaiting the final manuscript.

*David Pearce and Heinrich Wansing  
Berlin and Amsterdam, March 1992*

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