

## Preface

The conference **Foundations of the Formal Sciences II: Applications of Mathematical Logic to Philosophy and Linguistics** was the second part of the conference series **Foundations of the Formal Sciences**. Our conference series focuses on the interdisciplinary aspects of the foundational parts of the Formal Sciences and invites mainly young researchers to present their work in detail to an interdisciplinary audience.<sup>1</sup> The conference series started with a general conference **Foundations of the Formal Sciences I** in Berlin (May 1999) and will be continued with meetings in Vienna (September 2001) on “Complexity in Mathematics and Computer Science” and again Bonn (February 2003) on “The History of the Concept of the Formal Sciences”. The most recent information about the conference series can be found on our webpage

<http://www.math.uni-bonn.de/people/fotfs/>.

This meeting in Bonn in the year 2000 was dedicated to the applications of formal methods in subjects more closely related to the Arts (as opposed to the Sciences): The uses of formal methods both in philosophy (mainly in philosophy of science, language and mathematics) and linguistics are multifarious, and the number and the level of intricacy of interconnections between seemingly unrelated areas is particularly high in this field.

We believe that our conference and this proceedings volume give a clear testimony of this fact: We have papers on structuralist methods in the philosophy of science, on semantics and formal languages and their use in linguistics, and on several aspects of intensional semantics, connected to Kripke style modal logic or Gupta-Belnap style revision theory.

The reader can find a list of participants and a schedule of the conference on pages ix and x.

We hope that this proceeding volume will be as helpful to those reading it as the talks were for us participants at the conference. And, of course, we hope that the conference series continues to be as successful as this second conference of the series was, when we reconvene in Vienna in September 2001 for the third conference of the series.

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<sup>1</sup> In [Löw∞], the author presents a brief discussion of the scope of this conference series. He subsumes non-exclusively the subjects mathematics, theoretical philosophy, theoretical computer science and formal linguistics under the heading of the conference series.

We would like to thank all speakers at the conference for contribution to the success of the conference. In addition to that, we would like to thank all people involved in the organization of the conference; first of all, the two additional members of the Organizing Committee, Peter Koepke of the *Mathematisches Institut* and Rainer Stuhlmann-Laeisz of the *Lehr- und Forschungsbereich III des Philosophischen Seminars*. This conference was a joint event of these two departments and faculty, staff and students of the two departments joined to organize this conference.

We would like to thank all helpers at this conference and name them in alphabetic order: Stefan Bold, Patrick Braselmann, Dipl.-Math. Manfred Burghardt, Lic. Marc van Eijmeren, Matthias Enders, Tanja Hötte, Dipl.-Math. Martin Koerwien, our secretary Sabine Lange, Dipl.-Math. Philipp Rohde, Birgit Schuster, Matthias Thurn from the computer support, and Thomas Waltke.

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Last but not least, we have to thank the numerous referees who helped us a lot to produce this volume within nine months after the conference by adhering to our strict deadlines and producing illuminating and competent reports.

Bonn, August 2001

*B.L. W.M. Th.R.*

After submitting the volume to *Kluwer Academic Publishers* in September 2001, we received a helpful referee report on the entire volume for which we are thankful. We also thank Charles Erkelens who was in charge of the book series **Trends in Logic** (after a restructuring at Kluwer's) and took Tamara Welschot's part of being our contact in Dordrecht.

During the final proofreading phase, Dipl.-Math. Stefan Bold helped us with his bibliographical, layouting and technical skills for which we thank him very much.

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