

Lecture Notes in Mathematics

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Logic and Computer Science

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Preface

The C.I.M.E. Meeting on *Logic and Computer Science* was held in June 1988 in Montecatini, Italy. It was attended by some one hundred people from all over Europe, and it consisted of five short courses on mainstream aspects of Applied Logic.

In particular, the following fields were touched: foundational aspects of both logical (Sacks) and functional (Scedrov) programming languages; constructive logic (Nerode); complexity theory (Hartmanis and Homer); and program verification (Platek).

The present volume collects the lecture notes for those classes (with only one exception). We hope that they will turn out to be useful both to the people who attended the meeting, and to those who did not, but share with all of us an interest in the foundational aspects of Computer Science and the applications of Logic.

On behalf of the organization, I would like to thank the speakers and the participants for making the meeting a successful one.

Piergiorgio Odifreddi

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