

logic colloquium 84

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Logic Colloquium '84

This proceedings volume contains most of the invited talks presented at the colloquium. The main topics treated are the model theory of arithmetic and algebra, the semantics of natural languages, and applications of mathematical logic to complexity theory. The volume contains both surveys by acknowledged experts and original research papers presenting advances in these disciplines.

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Logic Colloquium '84

The Annual European Meeting of the Association for Symbolic Logic, generally known as the Logic Colloquium, is the most prestigious annual meeting in the field. Many of the papers presented there are invited surveys of developments, and the rest of the papers are chosen to complement the invited talks. This 2007 volume includes surveys, tutorials, and selected research papers from the 2005 meeting. Highlights include three papers on different aspects of connections between model theory and algebra; a survey of major advances in combinatorial set theory; a tutorial on proof theory and modal logic; and a description of Bernay's philosophy of mathematics.

Logic Colloquium

The papers appearing in this volume are part of those originally intended for presentation at the conference: Logic Colloquium '80 - European Summer Meeting of the Association for Symbolic Logic (A.S.L.) which was to take place in Prague, August 24-30, 1980, principally under the auspices of the Czech Academy of Sciences. There were 36 invited speakers from Western and Eastern Europe, Israel, the U.S., and the U.S.S.R. The local organizing committee cabled participants on July 15, 1980 to inform them that the meeting was cancelled for technical reasons; a subsequent communication stated that the cancellation was due to unforeseen circumstances lying beyond the control of the organizing committee. The unexpected cancellation of the Prague meeting was greatly regretted, since so much care, time, and energy had been given to its advance preparation by the local organizing committee as well as by representatives of the A.S.L. and its European Committee. The late date on which cancellation took place required drastic changes of plans by speakers and participants. Last-minute efforts to reschedule the meeting elsewhere in Europe could not be realized.

Logic Colloquium 2005

The result of the European Summer Meeting of the Association for Symbolic Logic, this volume gives an overview of the latest developments in most of the major fields of logic being actively pursued today. Important new developments in the applications of logic in computer science are presented. Other areas examined include model theory, set theory, recursion theory, proof theory, and the history of logic. This volume contains the texts of ten of the invited lectures and six of the contributed papers.

Logic Colloquium

Fourteen papers presented at the 1987 European Summer Meeting of the Association for Symbolic Logic are collected in this volume. The main areas covered by the conference were Logic, Set Theory, Recursion Theory, Model Theory, Logic for Computer Science and Semantics of Natural Languages.

Logic Colloquium '80

The Annual European Meeting of the Association for Symbolic Logic, also known as the Logic Colloquium, is among the most prestigious annual meetings in the field. The current volume, Logic Colloquium 2007, with contributions from plenary speakers and selected special session speakers, contains both expository and research papers by some of the best logicians in the world. This volume covers many areas of contemporary logic: model theory, proof theory, set theory, and computer science, as well as philosophical logic, including tutorials on cardinal arithmetic, on Pillay's conjecture, and on automatic structures. This volume will be invaluable for experts as well as those interested in an overview of central contemporary themes in mathematical logic.

Proceedings of the Colloquium

This compilation of papers presented at the 2000 European Summer Meeting of the Association for Symbolic Logic marks the centennial anniversary of Hilbert's famous lecture. Held in the same hall at La Sorbonne where Hilbert first presented his famous problems, this meeting carries special significance to the Mathematics and Logic communities. The pr

Logic Colloquium '86

Since their inception, the Perspectives in Logic and Lecture Notes in Logic series have published seminal works by leading logicians. Many of the original books in the series have been unavailable for years, but they are now in print once again. This volume, the seventeenth publication in the Lecture Notes in Logic series, collects the proceedings of the European Summer Meeting of the Association for Symbolic Logic, held in Utrecht, The Netherlands in August, 1999. It includes surveys and research articles from some of the world's preeminent logicians. Two long articles are based on tutorials given at the meeting and present accessible expositions of current research in geometric model theory and the descriptive set theory of group actions. The other articles cover current research topics in all areas of mathematical logic, including proof theory, set theory, model theory, computability theory and philosophy.

Logic Colloquium '87

Proceedings of the Annual European Summer Meeting of the Association for Symbolic Logic, covering classical topics of mathematical logic.

Logic Colloquium 2007

Since their inception, the Perspectives in Logic and Lecture Notes in Logic series have published seminal works by leading logicians. Many of the original books in the series have been unavailable for years, but they are now in print once again. This volume, the second publication in the Lecture Notes in Logic series, is the proceedings of the Association for Symbolic Logic meeting held in Helsinki, Finland, in July 1990. It contains eighteen papers by leading researchers, covering all fields of mathematical logic from the philosophy of mathematics, through model theory, proof theory, recursion theory, and set theory, to the connections of logic to computer science. The articles published here are still widely cited and continue to provide ideas for ongoing research projects.

Logic Colloquium 2000 (hardcover)

Since their inception, the Perspectives in Logic and Lecture Notes in Logic series have published seminal works by leading logicians. Many of the original books in the series have been unavailable for years, but they are now in print once again. This volume, the nineteenth publication in the Lecture Notes in Logic series, collects the proceedings of the European Summer Meeting of the Association for Symbolic Logic, held in Paris, France in July 2000. This meeting marked the centennial anniversary of Hilbert's famous lecture and was held in the same hall at La Sorbonne where Hilbert presented his problems. Three long articles, based on tutorials given at the meeting, present accessible expositions of developing research in model theory, computability, and set theory. The eleven subsequent papers present work from the research frontier in all areas of mathematical logic.

Logic Colloquium '99

Fourteen papers presented at the 1987 European Summer Meeting of the Association for Symbolic Logic are collected in this volume. The main areas covered by the conference were Logic, Set Theory, Recursion Theory, Model Theory, Logic for Computer Science and Semantics of Natural Languages.

Logic Colloquium '95

The bulk of this volume consists of invited addresses presented at the Colloquium. These contributions report on recent or ongoing research in some of the mainstream areas of mathematical logic: model theory, both pure and in its applications (to group theory and real algebraic geometry); and proof theory, applied to set theory and diophantine equations. The major novel aspect of the book is the important place accorded to the connections of mathematical logic with the neighboring disciplines: mathematical foundations of computer science, and philosophy of mathematics.

Logic Colloquium '90

A collection of surveys, tutorials, and research papers from the 2004 Logic Colloquium.

Logic Colloquium 2000

A compilation of papers presented at the 1998 European Summer Meeting of the Association for Symbolic Logic, Logic Colloquium '98 includes surveys and research from the world's preeminent logicians. Topics cover current research from all areas of mathematical logic, including Proof Theory, Set Theory, Model Theory, Computability Theory, and Philosophy. This book will be of interest to students and researchers of mathematical logic.

Logic Colloquium '87

A compilation of papers presented at the 2001 European Summer Meeting of the Association for Symbolic Logic, Logic Colloquium '01 includes surveys and research articles from some of the world's preeminent logicians. Two long articles are based on tutorials given at the meeting and present accessible expositions of research in two active areas of logic, geometric model theory and descriptive set theory of group actions. The remaining articles cover separate research topics in many areas

of mathematical logic, including applications in Computer Science, Proof Theory, Set Theory, Model Theory, Computability Theory, and aspects of Philosophy. This collection will be of interest not only to specialists in mathematical logic, but also to philosophical logicians, historians of logic, computer scientists, formal linguists and mathematicians in the areas of algebra, abstract analysis and topology. A number of the articles are aimed at non-specialists and serve as good introductions for graduate students.

Logic Colloquium '85

Logic Colloquium '02 includes articles from some of the world's preeminent logicians. The topics span all areas of mathematical logic, but with an emphasis on Computability Theory and Proof Theory. This book will be of interest to graduate students and researchers in the field of mathematical logic.

Proceedings of the Logic Colloquium. Held in Aachen, July 18-23, 1983

Discusses the deep connections between logic and complexity theory, and lists a number of intriguing open problems.

Logic Colloquium '73

A compilation of papers presented at the 1998 European Summer Meeting of the Association for Symbolic Logic, Logic Colloquium '98 includes surveys and research from the world's preeminent logicians. Topics cover current research from all areas of mathematical logic, including Proof Theory, Set Theory, Model Theory, Computability Theory, and Philosophy. This book will be of interest to students and researchers of mathematical logic.

Logic Colloquium 2004

A compilation of papers presented at the 1999 European Summer Meeting of the Association for Symbolic Logic, Logic Colloquium '99 includes surveys and research articles from some of the world's preeminent logicians. Two long articles are based on tutorials given at the meeting and present accessible expositions of current research in two active areas of logic, geometric model theory and descriptive set theory of group actions. The other articles cover current research topics in all areas of mathematical logic, including logic in computer science, proof theory, set theory, model theory, computability theory, and philosophy.

Logic Colloquium '98

A compilation of papers presented at the 2003 European Summer Meeting of the Association for Symbolic Logic, Logic Colloquium '03 includes tutorials and research articles from some of the world's preeminent logicians. One article is a tutorial on finite model theory and query languages that lie between first order and second order logic. The other articles cover current research topics in all areas of mathematical logic, including Proof Theory, Set Theory, Model Theory, and Computability Theory, and Philosophy.

Logic Colloquium '01

Heyting'88 Summer School and Conference on Mathematical Logic, held September 13 - 23, 1988 in Chaika, Bulgaria, was honourably dedicated to Arend Heyting's 90th anniversary. It was organized by Sofia University "Kliment Ohridski" on the occasion of its centenary and by the Bulgarian Academy of Sciences, with sponsorship of the Association for Symbolic Logic. The Meeting gathered some 115 participants from 19 countries. The present volume consists of invited and selected papers. Included are all the invited lectures submitted for publication and the 14 selected contributions, chosen out of 56 submissions by the Selection Committee. The selection was made on the basis of reports of PC members, an average of 4 per submission. All the papers are concentrated on the topics of the Meeting: Recursion Theory, Modal and Non-classical Logics, Intuitionism and Constructivism, Related Applications to Computer and Other Sciences, Life and Work of Arend Heyting. I am pleased to thank all persons and institutions that contributed to the success of the Meeting: sponsors, Programme Committee members and additional referees, the members of the Organizing Committee, our secretaries K. Lozanova and L. Nikolova, as well as K. Angelov, V. Bozhichkova, A. Ditchov, D. Dobrev, N. Dimitrov, R. Draganova, G. Gargov, N. Georgieva, M. Janchev, P. Marinov, S. Nikolova, S. Radev, I. Soskov, A.

Soskova and v. Sotirov, who helped in the organization, Plenum Press and at last but not least all participants in the Meeting and contributors to this volume

Logic Colloquium '02: Lecture Notes in Logic 27

"A compilation of papers presented at the 1999 European Summer Meeting of the Association for Symbolic Logic, Logic Colloquium '99 includes surveys and research articles from some of the world's preeminent logicians. Two long articles are based on tutorials given at the meeting and present accessible expositions of current research in two active areas of logic, geometric model theory and descriptive set theory of group actions."

Logic Colloquium '73

Proceedings of the Annual European Summer Meeting of the Association for Symbolic Logic, covering classical topics of mathematical logic.

Bounded Arithmetic, Propositional Logic and Complexity Theory

Logic Colloquium '92, the European Summer Meeting of the Association for Symbolic Logic, was held in Veszprém, Hungary, in August 1992. Two of the main themes of the event were algebraic logic, and axiomatisability and decidability of logical systems. The present volume contains a selection of papers that grew out of invited and contributed talks on these themes. Most of the papers have a strong interdisciplinary flavour as they investigate logical properties of formal systems by studying algebraic properties of corresponding classes of algebras, or vice versa. The remaining papers focus on connected areas from model theory and the combination of logics. This is a useful and timely volume on algebraic logic and related areas, with contributions by leading people in the field.

Logic Colloquium '73

Logic Colloquium '98