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2003 EUROPEAN SUMMER MEETING OF THE ASSOCIATION FOR SYMBOLIC LOGIC LOGIC COLLOQUIM '03

Helsinki, Finland, August 14-20, 2003

Logic Colloquium '03, the 2003 European Summer Meeting of the Association for Symbolic Logic, took place on August 14–20, 2003, at the University of Helsinki in Finland. The colloquium was mainly funded by the University of Helsinki, the City of Helsinki, Nokia, the Rolf Nevanlinna Institute Fund, the Academy of Finland, the Finnish Cultural Foundation, Academia Scientiarum Fennica, the European Commission, the US National Science Foundation, and the Association for Symbolic Logic.

The Program Committee consisted of P. Aczel, Z. Adamowicz, J. Baldwin, E. Bouscaren, M. Detlefsen, M. Gitik, L. Hella, T. Jech, R. Parikh, H. Schwichtenberg, T. Slaman, V. Stoltenberg-Hansen (Chair), and J. Väänänen. The Colloquium was organized and run in an excellent manner by the local organizing committee, whose members included Å. Ekman, A. Halko, A. Hellsten, T. Huuskonen, J. Kennedy, J. Kontinen, K. Luosto, M. Luosto, H. Niemistö, J. Oikkonen, M. Pauna, J. Ruokolainen, J. Väänänen (Chair), and M. Viljanen.

The main topics of the conference were *Model Theory and Finite Model Theory, Set Theory, Recursion Theory and Models of Arithmetic, Proof Theory and Non-classical Logic*, and *Philosophy of Mathematics and History of Logic*. The program included two tutorials, eighteen invited plenary lectures and fifteen invited lectures in four special sessions corresponding to the first four main topics. There were also 111 contributed talks. Logic Colloquium 2003 had 251 registered participants from 31 countries, representing all continents but Antarctica. The following tutorials were presented:

Michael Benedikt (Bell Labs), *Model theory and complexity theory*. Stevo Todorčević (Paris), *Set-theoretic methods in Ramsey theory*.

The following invited plenary lectures were given:

Alexandru Baltag (Oxford), Doing things to models: trans-structural dynamic logics. Howard Becker (Columbia, SC), Generalized model theory and Polish group actions. Matthew Foreman (Irvine), Has the CH been settled? Jean-Yves Girard (Marseille), From operator algebras to logic. Martin Grohe (Berlin), The succinctness of monadic logics on finite trees.

Peter T. Johnstone (Cambridge), A survey of realizability toposes.

Simo Knuuttila (Helsinki), On the history of modality as alternativeness.

Menachem Kojman (Be'er Sheva), On the role of infinite cardinals.

Michael C. Laskowski (College Park, MD), Applications of descriptive set theory to uncountable model theory.

Larisa Maksimova (Novosibirsk), Decidable properties of logical calculi and of varieties of algebras.

Per Martin-Löf (Stockholm), Are the objects of propositional attitudes propositions in the sense of propositional and predicate logic?

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