

Logic, Methodology and Philosophy of Science

Proceedings of the
Fifteenth International Congress

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Editors



their excellent and skilful work.

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On behalf of the local organizers, I wish to thank Elliott Sober and Benedikt Löwe (DLMPS), Hannes Leitgeb (chair of the Programme Committee), and Jouko Väänänen (chair of the Local Organizing Committee of LC) for their effective co-operation.

The venue of the Congress was the neoclassical main building of the University of Helsinki, located in the middle of the compact downtown area. Summertime in Finland provided pleasant sunshine and white nights, and the participants were able to enjoy the blend of logic and philosophy with a friendly intellectual and cultural atmosphere.

Ilkka Niiniluoto

Chair of the Local Organising Committee

Plenary Lectures

Logic in Play

Johan van Benthem, Amsterdam, Stanford, and Tsinghua University

Repertoires: How to Transform a Project into a Research Community

Rachel A. Ankeny, University of Adelaide, AUSTRALIA

Sabina Leonelli, University of Exeter, UNITED KINGDOM

Scientific Realism, Models and the Social and Behavioral Sciences

Harold Kincaid, University of Cape Town, SOUTH AFRICA

Cubical homotopy type theory and univalence

Steve Awodey, Carnegie Mellon University, USA

Spacetime Functionalism

Eleanor Knox, King's College, London, UNITED KINGDOM

Models in Geometry and Logic: 1880-1920

Patricia Blanchette, University of Notre Dame, USA

Invited Papers

A1. Mathematical Logic

Constructing normal numbers

Verónica Becher, University of Buenos Aires, ARGENTINA

Entanglement and Formalism Freeness: Templates from Logic and Set Theory

Juliette Kennedy, University of Helsinki, FINLAND

Global Reflection Principles

P.D. Welch, School of Mathematics, University of Bristol, UNITED KINGDOM

A2. Philosophical Logic

Could there be no logic?

Gillian Russell, Department of Philosophy, Washington University St Louis, UNITED STATES

Logic Revision: Some Formal and Semi-Formal Techniques for Logic Choice

Edwin Mares, Victoria University of Wellington, NEW ZEALAND