Section 01: Logic

Invited Lectures

Tuesday, 25 August — H 1012

16:15 – 17:00 **Matthew Foreman,** University of California, Irvine, USA
Generic Large Cardinals: New Axioms for Mathematics? *(I: p.30)*
Chair: Peter G. Koepke

17:15 – 18:00 **Ludomir Newelski,** University of Wrocław, Wrocław and Polish Academy of Sciences, Poland
Meager forking and m-independence *(I: p.33)*
Chair: Alex James Wilkie

Wednesday, 26 August — MA 005

14:00 – 14:45 **Stevo B. Todorcevic,** CNRS, Université de Paris 7, Paris, France, Mathematicki Institut, Beograd, Yugoslavia, and University of Toronto, Toronto, Canada
Basis Problems in Combinatorial Set Theory *(I: p.35)*
Chair: Martin Goldstern

Wednesday, 26 August — H 1012

16:15 – 17:00 **Gregory Hjorth,** UCLA, Los Angeles, USA
When is an equivalence relation classifiable? *(I: p.32)*
Chair: Ronald B. Jensen

17:15 – 18:00 **Alex James Wilkie,** University of Oxford, Oxford, England
O-minimality *(I: p.35)*
Chair: Anand Pillay

Short Communications and Poster Sessions

Short Communications — Thursday, 20 August

Lattices and Universal Algebra — **MA 042**
Chair: Marcus A. Kracht

14:00 – 14:15 **Isabella C. Burger,** Rand Afrikaans University, Auckland Park (Johannesburg), South Africa
Boolean algebras and information-dependent entailment relations *(p.6)*

14:15 – 14:30 **Dietmar Dorninger,** Technische Universität Wien, Wien, Austria
On ring-like structures occurring in axiomatic quantum mechanics *(p.7)*

14:30 – 14:45 **Philippe Niederkorn,** Université de Liège, Liège, Belgium
Natural dualities for finitely generated varieties of MV-algebras *(p.8)*

Short Communications — Friday, 21 August

Categories: Logic and Topology — **MA 042**
Chair: Gerhard Preuß

14:00 – 14:15	**Michel Hebert,** The American University in Cairo, Cairo, Egypt *Syntactic view on locally generated categories: abstract and concrete cases*	*(p.7)*
14:15 – 14:30	**Dieter Leseberg,** TU Braunschweig, Braunschweig, Germany *Filterconvergence as a convenient concept for Topology*	*(p.8)*

Set Theoretic Topology — **MA 042**
Chair: Dieter Leseberg

15:00 – 15:15	**Gerhard Preuß,** Freie Universität, Berlin, Germany *Convenient Topology — A New Branch of Topology*	*(p.9)*
15:15 – 15:30	**Harald Nusser,** Freie Universität, Berlin, Germany *Completions of probabilistic semiuniform convergence spaces*	*(p.8)*

Short Communications — Monday, 24 August

Constructive Mathematics and Models of Arithmetic — **MA 042**
Chair: Hiloshi Ohno

16:15 – 16:30	**Douglas S. Bridges,** University of Waikato, Hamilton, New Zealand *Ideals in constructive ring and Banach algebra theory*	*(p.6)*
16:30 – 16:45	**Luminita Simona Dediu,** University of Waikato, Hamilton, New Zealand *A constructive extension theorem for ultraweakly continuous linear functionals*	*(p.6)*
16:45 – 17:00	**Hiloshi Ohno,** Kashiwa, Japan *A certain proposition unprovable in number-theoretic formal system*	*(p.9)*

Recursion Theory and Model Theory — **MA 042**
Chair: Helmut Pfeiffer

17:15 – 17:30	**David Hartz,** College of St. Benedict, St. Joseph, MN, USA *Hierarchy Based on Inductive Definitions*	*(p.7)*
17:30 – 17:45	**Cyrus F. Nourani,** METAAI and UCSB, Cardiff By The Sea, CA, USA *Functorial Computability And Generic Definable Models*	*(p.8)*

Short Communications — Tuesday, 25 August

Set Theory and Recursion Theory — **MA 042**
Chair: Robert Fittler

14:00 – 14:15	**Philip D. Welch,** Kobe University, Kobe, Japan *The Length of Infinite Time Turing Machine Computations*	*(p.11)*
14:15 – 14:30	**Martin Zeman,** Math. Inst., Humboldt–Universität, Berlin, Germany $\diamond$ *at Mahlo Cardinals*	*(p.11)*
14:30 – 14:45	**Marat-M. Arslanov,** Kazan-State-University, Kazan, Russia *The enumeration degree structures*	*(p.5)*

Model Theory and Recursion Theory — **MA 042**
Chair: Andreas Baudisch

15:00 – 15:15	**Mikhail Peretyat'kin,** Institute of Pure and Applied Mathematics, Almaty, Kazakhstan *Expressive possibilities of finitely axiomatizable theories*	*(p.9)*
15:15 – 15:30	**Niandong Shi,** Dept. of Mathematics, East Stroudsburg, PA, USA *Universal graph problem and model theory*	*(p.10)*
15:30 – 15:45	**Helmut Schwichtenberg,** Universität München, München, Germany *Ramification, Modality, and Linearity in Higher Type Recursion*	*(p.10)*

Poster Session **Monday, 24 August**

14:00 – 15:45 **MA 144**

Fariborz Azarpanah, University of Chamran, Ahvaz, Iran
Sum and intersection of summand ideals in $C(X)$ *(p.5)*

Grzegorz Bancerek, University of Białystok, Białystok, Poland
Mizar — a work environment for a mathematician: an experiment with continuous lattices *(p.6)*

Peter Michael Schuster, Ludwig-Maximilians-Universität München, München, Germany
A Sequence Model for Constructive Nonstandard Analysis *(p.10)*