

Programme

Monday 13

9:00 Registration

9:20 Opening

9:50 *Invited talk*

Thierry Coquand. *Constructive Sheaf Models and Choice Sequences*

10:40 Break

11:10 *Invited talk*

Maria Manuel Clementino. *Enriched Categories in Topology: an approach*

12:00 Lunch

15:00 *Invited talk*

Steve Vickers. *The view from ultraminimalism*

15:50 *Contributed talk*

Davide Troтта. *Abstracting point-free topology and localic sheafification via doctrines*

16:15 Break

16:35 *Contributed talk*

Andrew Swan. *Cubical assemblies do not have a subobject classifier*

17:00 *Contributed talk*

Satoshi Nakata. *A j -translation with Kripke forcing relation*

17:25 Break

17:35 *Contributed talk*

Umberto Tarantino. *Toposes with enough points as categories of étale spaces*

18:00 *Contributed talk*

Halimeh Moghbeli. *Orbits of Functions and their Topologies*

18:25 End

Tuesday 14

9:00 *Invited talk*

Giovanni Sambin. *Dynamic Constructivism and Positive Topology: motivations, achievements, and prospects*

9:50 *Invited talk*

Hajime Ishihara. *A constructive theory of uniformity*

10:40 *Break*

11:10 *Invited talk*

Takako Nemoto. *Ishihara's uniform space and basic pairs*

12:00 *Lunch*

15:00 *Invited talk*

Francesco Ciraulo. *Localic Groups in Formal Topology and the Closed Subgroup Theorem*

15:50 *Contributed talk*

Iosif Petrakis. *Apart algebras*

16:15 *Break*

16:35 *Contributed talk*

Benedikt Ahrens. *A Type Theory for Comprehension Categories*

17:00 *Contributed talk*

Georg Lehner. *Measure Theory via Locales*

17:25 *Break*

17:35 *Contributed talk*

Ming Ng. *What is a space, and why should a logician care?*

18:00 *Contributed talk*

Mohammad Tahmasbizadeh. *Decomposability of Formal Real Numbers and WLPO*

18:25 *End*

Wednesday 15

9:00 *Invited talk*

Steve Awodey. *The effective infinity-topos*

9:50 *Invited talk*

David Wörn. *Axioms for higher category theory*

10:40 *Break*

11:10 *Invited talk*

Michael Rathjen. *Lifschitz Realizability as a Topological Construction*

12:00 *Contributed talk*

Samuele Maschio. *A Predicative Constructive Effective Model of Formal Topology via the Minimalist Foundation*

12:25 *Lunch*

Thursday 16

9:00 *Invited talk*

Mark van Atten. Intuitionistic inductive definitions

9:50 *Invited talk*

Ansten Klev. Mathematical objects as meaningful expressions

10:40 Break

11:10 *Invited talk*

Hugo Herbelin. Completeness Theorem, Choice Axioms, and Computation

12:00 *Contributed talk*

Andrei Rodin. Kolmogorov's Calculus of Problems and Its Legacy in Today's Constructive Mathematics

12:25 Lunch

15:30 *Invited talk*

Laura Crosilla. Dynamic Constructivism: a comparison with themes from Hermann Weyl's philosophy of mathematics

16:20 *Invited talk*

Ingo Blechschmidt. Pointfreely embracing infinite sequences as useful fictions

17:10–18:30 Discussion

20:00 Dinner

Friday 17

9:00 *Invited talk*

Martín Escardó. Stone types in neutral mathematics

9:50 *Invited talk*

Tom de Jong. Apartness in domain theory

10:40 **Break**

11:10 *Invited talk*

Tatsuji Kawai. Spread representation of the n -simplex and Brouwer's fixed-point theorem

12:00 **Lunch**

15:00 *Invited talk*

Joshua Wrigley. Towards a syntax-semantics description of non-commutative Stone duality via étendues

15:50 *Contributed talk*

Ayberk Tosun. Sharp Elements and the Points of the Patch Locale

16:15 **Break**

16:35 *Contributed talk*

Rafał Gruszczyński. Contact structures. State of the art and future directions

17:00 *Invited talk*

Andrej Bauer. Turing degrees, constructively

17:50 **Closure**