program committee: Guram Bezhanishvili, Curtis Franks, Selwyn Ng, Dima Sinapova, Margaret Thomas and Henry Towsner (chair).
local organizing committee: Tim Bays, Jr Beall, Paddy Blanchette, Peter Cholak, Curtis Franks, Julia Knight (co-chair), Anand Pillay (co-chair) and Sergei Starchenko.

all events will be held via zoom. links will be sent to all registered participants.
WEDNESDAY, June 23

Morning

9:00 – 10:00 Tutorial: Justin Moore (Cornell University), The logic of Thompson’s groups and their relatives II.
10:00 – 10:30 Social break.
10:30 – 11:30 Tutorial: Rahim Moosa (University of Waterloo), Some model theory of automatic sets II.

Afternoon

1:00 – 2:00 Special Session A2, B2, C2, D2, and E2. See pages 3–7.
2:00 – 2:30 Social break.
3:30 – 4:00 Social break.
4:00 – 5:00 Invited Lecture: Johanna Franklin (Hofstra University), Applications of lowness and highness.
5:00 – 5:30 Social break.
5:30 – 6:30 Diversity and Inclusion Breakout Discussions. See page 3.

THURSDAY, June 24

Morning

8:10 – 9:00 Contributed talks A. See pages 7–8.
9:00 – 10:00 Invited Lecture: Julia Wolf (University of Cambridge), Arithmetic combinatorics through the model-theoretic lens.
10:00 – 10:30 Social break.

Afternoon

1:00 – 2:00 Invited Lecture: Nam Trang (University of North Texas), Sealing of the universally Baire sets.

FRIDAY, June 25

Morning

9:00 – 10:00 Invited Lecture: Mai Gehrke (University of Côte d’Azur), Stone duality in computer science: preserving joins at primes.
10:00 – 10:30 Social break.
10:30 – 11:30 Invited Lecture: **Cameron Hill** (Wesleyan University), *Towards a characterization of $\aleph_0$-categorical almost-sure theories.*

**Afternoon**

1:00 – 2:00 Special Session A4, B4, C4, D4, and E4. See pages 3–7.
2:00 – 2:30 Social break.
2:30 – 3:30 Invited Lecture: **Timothy McNicholl** (Iowa State University), *The computability theory of metric structures.*
3:30 – 4:00 Social break.
4:00 – 6:00 Special Session A5, B5 C5, D5, and E5. See pages 3–7.

**SESSION ON DIVERSITY AND INCLUSION**

Wednesday, June 23

2:30 – 3:30 A. Panel discussion on outreach and diversity in logic (moderated by Denis Hirschfeldt).
2:30 – 3:30 B. Promoting diversity early in an academic career (moderated by Carol Wood).
2:30 – 3:30 C. Reaching out to those who have been left out (moderated by Amanda Serenevy).

5:30 – 6:30 Break-out discussion for small groups

**SPECIAL SESSIONS**

**A. Model Theory**

(Organized by Deirdre Haskell and Erik Walsberg)

Session A1: Tuesday, June 22

1:00 – 2:00 **Kobi Peterzil** (University of Haifa), *Interpretable fields in expansions of valued fields.*

Session A2: Wednesday, June 23

1:00 – 2:00 **Zoé Chatzidakis** (ENS), *Groups definable in difference-differential fields.*

Session A3: Thursday, June 24

10:30 – 11:00 **Sylvy Anscombe** (Université de Paris), *Turing degrees of existential theories of fields.*
11:00 – 11:30  **Nigel Pynn-Coates** (The Ohio State University), *An Ax–Kochen/Ershov theorem for differential-henselian pre-H-fields.*

**Session A4:** Friday, June 25
1:00 – 1:30  **Alexi Block Gorman** (University of Illinois at Urbana-Champaign), *Pathological examples of structures with o-minimal open core.*
1:30 – 2:00  **Pablo Andujar Guerrero** (Purdue University), *Types, transversals and definable compactness in o-minimal structures.*

**Session A5:** Friday, June 25
4:00 – 4:30  **Alex Kruckman** (Wesleyan University), *Higher dimensional obstructions for star reductions.*
4:30 – 5:00  **Minh Chieu Tran** (University of Notre Dame), *Minimal and nearly minimal measure expansions in locally compact groups.*
5:00 – 6:00  **Bradd Hart** (McMaster University), *Undecidability in continuous logic.*

**B. Topology meets Philosophy and Logic**
(Organized by Tamar Lando, Sonja Smets, and Aybüke Özgün)

**Session B1:** Tuesday, June 22
1:00 – 2:00  **Nina Gierasimczuk** (Technical University of Denmark), *Learning and modal Logic: there and back again.*

**Session B2:** Wednesday, June 23
1:00 – 2:00  **Achille Varzi** (Columbia), *Open questions in mereotopology*

**Session B3:** Thursday, June 24
10:30 – 11:30  **Adam Bjorndahl** (Carnegie Mellon University), *Almost-logic.*

**Session B4:** Friday, June 25
1:00 – 2:00  **Aaron Cotnoir** (University of St Andrews), *Partial identity & mereotopology.*

**Session B5:** Friday, June 25
4:00 – 5:00  **Sophia Knight** (University of Minnesota Duluth), *Algebraic structures for distributed knowledge of potentially infinite groups of agents.*
5:00 – 6:00  **Geoffrey Hellman and Stewart Shapiro** (University of Minnesota and The Ohio State University), *Regions-based topology in geometry.*
C. Computability Theory

(Organized by Arno Pauly and Takayuki Kihara)

Session C1: Tuesday, June 22
1:00 – 2:00 Vasco Brattka (Universität der Bundeswehr München), Duuality in Weihrauch complexity.

Session C2: Wednesday, June 23
1:00 – 1:30 Manlio Valenti (University of Udine), The uniform strength of descending sequences.
1:30 – 2:00 Antonin Callard (Université Paris-Saclay), Descriptive complexity on represented spaces.

Session C3: Thursday, June 24
10:30 – 11:30 Margarita Korovina (Ershov Institute of Informatics Systems), Ksmt for solving non-linear constraints

Session C4: Friday, June 25
1:00 – 2:00 Elvira Mayordomo (Universidad de Zaragoza), Extending the reach of the point-to-set principle.

Session C5: Friday, June 25
4:00 – 5:00 Neil Lutz (Iowa State University), Algorithmically optimal outer measures.
5:00 – 5:30 Linda Westrick (Penn State University), Two results by relativization.
5:30 – 6:00 Matthew de Brecht (Kyoto University), Computable functors on the category of quasi-Polish spaces.

D. Algebraic Logic

(Organized by Nikolaos Galatos and Wesley Holliday)

Session D1: Tuesday, June 22
1:00 – 1:30 George Metcalfe (University of Bern), From $\ell$-groups to $\ell$-monoids, and back again.
1:30 – 2:00 Alessandra Palmigiano (Vrije Universiteit), From unified correspondence to parametric correspondence: preliminary considerations.

Session D2: Wednesday, June 23
1:00 – 1:30  **Nick Bezhanishvili** (University of Amsterdam), *Profinite Heyting algebras and profinite completions.*

1:30 – 2:00  **Tommaso Moraschini** (University of Barcelona), *Profiniteness and spectra of Heyting algebras.*

Session D3: Thursday, June 24

10:30 – 11:00  **Rosalie Iemhoff** (Utrecht University), *Uniform interpolation in universal proof theory.*

11:00 – 11:30  **Marta Bilkova** (Czech Academy of Sciences), *Many-valued paraconsistent logics for uncertainty.*

Session D4: Friday, June 25

1:00 – 1:30  **Wesley Fussner** (CNRS and Université Côte d’Azur), *Quantum and substructural logics: a unifying approach.*

1:30 – 2:00  **Sara Ugolini** (Artificial Intelligence Research Institute), *MV-algebras reason about probability.*

Session D5: Friday, June 25

4:00 – 4:30  **Alasdair Urquhart** (University of Toronto), *Failure of Beth’s theorem in relevance logics.*

4:30 – 5:00  **Costas Tsinakis** (Vanderbilt University), *Strongly simple residuated lattices.*

5:00 – 5:30  **Peter Jipsen** (Chapman University), *Bunched implication algebras, Heyting algebras with a residuated unary operator and their Kripke semantics.*

5:30 – 6:00  **Luca Carai** (New Mexico State University), *Coalgebras for the powerset functor and Thomason duality.*

**E. Set Theory**

(Organized by James Cummings and Anush Tserunyan)

Session E1: Tuesday, June 22

1:00 – 1:30  **Noé de Rancourt** (Charles University), *A dichotomy for countable unions of smooth Borel equivalence relations.*

1:30 – 2:00  **Dakota Ihli** (University of Illinois at Urbana-Champaign), *What generic automorphisms of the random poset look like.*

Session E2: Wednesday, June 23

1:00 – 1:30  **Sandra Müller** (TU Wien), *The strength of determinacy when all sets are universally Baire.*

1:30 – 2:00  **Trevor Wilson** (Miami University), *Weak Vopěnka cardinals.*
Session E3: Thursday, June 24

10:30 – 11:00  **Yair Hayut** (The Hebrew University of Jerusalem), *The strength of filter completion.*

11:00 – 11:30  **Sarka Stejskalova** (Charles University), *Indestructibility of some compactness principles.*

Session E4: Friday, June 25

1:00 – 1:30  **Filippo Calderoni** (University of Illinois at Chicago), *Rotation equivalence and cocycle superrigidity for compact actions.*

1:30 – 2:00  **Assaf Shani** (Harvard University), *Actions of Polish wreath product groups.*

Session E5: Friday, June 25

4:00 – 4:30  **Konrad Wrobel** (Texas A&M University), *Orbit equivalence of wreath products.*

4:30 – 5:00  **Ronnie Chen** (University of Illinois at Urbana–Champaign), *Some results in descriptive locale theory.*

5:00 – 5:30  **Jeffrey Bergfalk** (Kurt Gödel Research Center), *Combinatorial principles of independent interest arising in recent research on higher derived limits and strong homology.*

5:30 – 6:00  **Gabe Goldberg** (University of California, Berkeley), *Predictions of the ultrapower axiom.*

**CONTRIBUTED TALKS**

**THURSDAY, June 24**

Session A, 8:10-9:00

8:10 – 8:30  **Joachim Mueller-Theys** (Independent researcher), *Similarity and equality.*

8:35 – 8:55  **Alexandr Bessonov** (Russian Academy of Sciences), *Gödel’s incompleteness theorems from the perspective of a falsifiability predicate.*

Session B, 2:30-4:05

2:30 – 2:50  **Irfan Alam** (Louisiana State University), *Generalizing de Finetti’s theorem using nonstandard methods.*

2:55 – 3:15  **Caleb Camrud**, **Isaac Goldbring**, and **Timothy McNicholl** (Iowa State University), *Diagram complexity of metric structures in continuous logic.*
3:20 – 3:40 Caleb Camrud* and Ranpal Dosanjh (Iowa State University), 
$[0, \infty]$-indexed multimodal logics with philosophical applications.

3:45 – 4:05 Landom D. C. Elkind and Richard Zach (University of Alberta and 
University of Calgary), The genealogy of $\lor$.

Session C, 2:30-3:40

2:30 – 2:50 Wim Ruitenburg (Marquette University), Kolmogorov translations into 
basic logic.

2:55 – 3:15 Russell Miller (Queens College and CUNY Graduate Center), Generic 
algebraic fields.

3:20 – 3:40 Josiah Jacobsen-Grocott (University of Wisconsin–Madison), 
Classification of classes of enumeration degrees of non-metrizable spaces by 
topological separation axioms.