

BLAST 08 Schedule of talks

Wednesday, August 6th

8:00 – 8:50 Registration (Olin Rotunda)

Room A (Olin 105). Chair: Nick Galatos

8:50 – 10:40 [James Raftery](#): Algebra of Logic (Tutorial)

Room B (Olin 205). Chair: Natasha Dobrinen

8:50 – 10:40 [Peter Nyikos](#): Set-Theoretic Topology (Tutorial)

10:45 – 11:10 Coffee Break (Olin Rotunda)

Room A (Olin 105). Chair: Nick Galatos

11:10 – 12:00 **Constantine Tsinakis**: Ordered Groups in Logic

12:05 – 1:40 Lunch

Room A (Olin 105). Chair: John Harding

1:40 – 2:30 [Richard N. Ball](#) and [Ales Pultr](#): Workshop on forbidden configurations in Priestley spaces

2:35-2:40 Break

Room A (Olin 105). Chair: John Harding

2:40-3:05 [Rostislav Horcik](#): Minimal Varieties of Cancellative Residuated Lattices

3:10-3:35 [W. Charles Holland](#): Top and Bottom Varieties of Pseudo-MV Algebras

3:40-4:05 [Jeffrey S. Olson](#): Some varieties of residuated lattices with countably many subvarieties

4:10-4:35 [George Metcalfe](#): Structural Completeness for Fuzzy Logics

4:40-5:00 Coffee Break (Olin Rotunda)

5:00-5:25 [Nikolaos Galatos](#): The finite embeddability property for subvarieties of integral residuated lattices

5:30-5:55 [Peter Jipsen](#): Ordered algebraic structures in the open-source mathematics system Sage

Room B (Olin 205). Chair: Peter Nyikos

2:40-3:05 [Christopher S. Hardin](#): Limit-like predictability for discontinuous functions

3:10-3:35 [Robert Lubarsky](#): Topological Semantics with Settling

3:40-4:05 [Maria Luisa Colasante](#): On the closure of a topology and low separation axioms subvarieties

4:10-4:35 [Jorge Vielma](#): Alexandroff topologies and semirings

4:40-5:00 Coffee Break (Olin Rotunda)

5:00-5:25 [Lynne Yengulalp](#): Non-normality points
5:30-5:55 [Shaghayegh Kordnourie](#): Probability Metrics and their applications Sage

6:00-6:10 Break

Room A (Olin 105). Chair: Don Monk

6:10-7:00 [Judith Roitman](#): Paracompact box products

7:15-9:15 Banquet Reception (Choir Room of the Newman Center)

Thursday, August 7th

Room A (Olin 105). Chair: Agnes Szendrei

8:50 – 10:40 [Matt Valeriote](#): Universal algebra (Tutorial)

Room B (Olin 205). Chair: Rick Ball

8:50 – 10:40 [Katie Thompson](#): Set theory (Tutorial)

10:45 – 11:10 Coffee Break (Olin Rotunda)

Room A (Olin 105). Chair: Agnes Szendrei

11:10 – 12:00 [Martin Goldstern](#): More clones from ideals

12:05 – 1:40 Lunch

Room A (Olin 105). Chair: Keith Kearnes

1:40 – 2:30 [Richard N. Ball](#) and [Ales Pultr](#): Workshop on forbidden configurations in Priestley spaces

2:35-2:40 Break

Room A (Olin 105). Chair: Keith Kearnes

2:40-3:05 [Joel Berman](#): Free algebras in locally finite semisimple varieties

3:10-3:35 [Zoltan Szekely](#): The Strong Condition on Inherently Nonfinitely Based Algebras

3:40-4:05 [Petar Markovic](#): Constraint Satisfaction Problem for algebras generating a congruence-distributive variety

4:10-4:35 [Japheth Wood](#): Quandles and the Constraint Satisfaction Problem

4:40-5:00 Coffee Break (Olin Rotunda)

5:00-5:25 [Walter Taylor](#): Approximate satisfaction of identities

5:30-5:55 [Wolfram Bentz](#): A result on Complete Hausdorffness in topological algebras

Room B (Olin 205). Chair: Tetsuya Ishiu

2:40-3:05 [Eric Hall](#): Permutation Models and Symmetric Models

- 3:10-3:35 [Erkko Lehtonen](#): The arity gap of finite functions and generalizations of Swierczkowski's lemma
- 3:40-4:05 [Natasha Dobrinen](#): The tree property
- 4:10-4:35 [Alan D. Taylor](#): Infinite Hat Problems
- 4:40-5:00 Coffee Break (Olin Rotunda)
- 5:00-5:25 [Allen L. Mann](#): "Iff" is not expressible in independence-friendly logic
- 5:30-5:55 [Andrzej Roslanowski](#): The last forcing standing

6:00-6:10 Break

Room A (Olin 105). Chair: James Cummings

- 6:10-7:00 [Tetsuya Ishiu](#): The comparison of various club guessing principles.

Friday, August 8th

Room A (Olin 105). Chair: Nick Galatos

- 8:50 – 9:40 [Richard N. Ball](#) and [Ales Pultr](#): Workshop on forbidden configurations in Priestley spaces

9:45 – 10:10 Coffee Break (Olin Rotunda)

Room A (Olin 105). Chair: Ales Pultr

- 10:10 – 11:00 [Bernhard Banaschewski](#): Realcompactness in pointfree Alexandroff topology

11:05 – 11:15 Break

Room A (Olin 105). Chair: Ales Pultr

- 11:15 – 11:40 [Javier Gutiérrez García](#): Making the ring of continuous localic real functions into a subring of all localic real functions
- 11:45 – 12:10 [Jorge Picado](#): Insertion in spaces, bispaces, ordered spaces and point-free spaces

Room B (Olin 205). Chair: Martin Goldstern

- 11:15 – 11:40 [Mikhail Klin](#): From finite topologies and lattices to the automorphism groups of rational Schur rings
- 11:45 – 12:10 [Hernando Gaitan](#): Endomorphism Kernel Property in Stone Algebras

12:15 – 1:50 Lunch

1:50 – 8:00 Excursion (Garden of the gods)

Saturday, August 9th

Room A (Olin 105). Chair: Peter Jipsen
8:50 – 9:40 [Richard N. Ball](#) and [Ales Pultr](#): Workshop on forbidden configurations in Priestley spaces

9:45 – 10:10 Coffee Break (Olin Rotunda)

Room A (Olin 105). Chair: Peter Jipsen
10:10 – 11:00 [Mai Gehrke](#): Duality for MV-algebras

11:05 – 11:15 Break

Room A (Olin 105). Chair: Peter Jipsen
11:15 – 11:40 [John Harding](#): Orthomodularity in dagger biproduct categories
11:45 – 12:10 [Jacob Vosmaer](#): Representation of topological modal algebras

Room B (Olin 205). Chair: Martin Goldstern
11:15 – 11:40 [Matthew Cook](#): On Full Networks and the Galois Connection between Clones and Co-clones
11:45 – 12:10 [Josef Slapal](#): On categories of ordered sets with a closure operator

12:15 – 1:50 Lunch

Room A (Olin 105). Chair: James Raftery
1:50 – 2:40 [Kazushige Terui](#): Algebraic Proof Theory for Nonclassical Logics

2:45 – 2:50 Break

Room A (Olin 105). Chair: James Raftery
2:50 – 3:15 [A.A. Salama](#): Fuzzy bitopological spaces via fuzzy ideals
3:20 – 3:45 [Bart Van Gasse](#): Interval-valued residuated lattices
3:50 – 4:15 [Yu. M. Movsisyan](#): Superproducts of Lattices, Boolean and DeMorgan algebras
4:20 – 4:45 [Sergio Marcelino](#): An algebraic generalization of Kripke structures
4:50 – 5:15 [Fan Yang](#): An alternative proof of Jankov's Theorem on KC
5:20 – 5:45 [Vaughan Pratt](#): Some paradoxical equivalences between synthetic and analytic geometry

Room B (Olin 205). Chair: Rick Ball
2:50 – 3:15 [Aditya Nagrath](#): A Stone-type duality for Meet Semilattices
3:20 – 3:45 [Joann Walters-Wayland](#): Weakly pseudocompact frames
3:50 – 4:15 [Brian Wynne](#): Results on Boolean algebras with applications to the model theory of l-groups
4:20 – 4:45 [Bruce Burdick](#): The filter domain of a quasi-uniform space
4:50 – 5:15 [Dan Daly](#): Bruhat Intervals and Permutation Patterns
5:20 – 5:45 [Chihiro Oshima](#): On ordered structure of propositional models

5:50 – 6:10 Coffee Break (Olin Rotunda)

Room A (Olin 105). Chair: Katie Thompson
6:10 – 7:00 [James Cummings](#): Rainbow Ramsey theory

Sunday, August 10th

Room A (Olin 105). Chair: Joel Berman
8:50 – 9:15 [Tomasz Kowalski](#): A finite basis problem in loop theory
9:20 – 9:45 [Michael Kinyon](#): Cancellation in Skew Lattices
9:50 – 10:10 Coffee Break (Olin Rotunda)
10:10 – 10:35 [Petr Vojtechovsky](#): Implication algebras as hypergraphs

Room B (Olin 105). Chair: Natasha Dobrinen
8:50 – 9:15 [Franklin E. Schroeck, Jr.](#): Localization Operators in Quantum Mechanics on Phase Space as an M.V. Algebra and a Heyting Algebra
9:20 – 9:45 [Hassan Naraghi](#): Some properties of the supersoluble formation and the supersoluble residual of a group
9:50 – 10:10 Coffee Break (Olin Rotunda)
10:10 – 10:35 **Wei He**: Sheaf Locales

Room A (Olin 105). Chair: Rick Ball
10:40 – 11:40 Current Trends and Open Problems