LOGIC COLLOQUIUM 2023

Time	Monday 5 June 2023	Tuesday 6 June 2023	Wednesday 7 June 2023	Thursday 8 June 2023	Friday 9 June 2023
	(1st day)	(2nd day)	(3rd day)	(4th day)	(5th day)
08:30-9:00	Registration/Coffee	Registration	Registration	Registration	Registration
9:00-10:00	Invited Talk - Zoltàn Vidnyànszky	Invited Talk - Gal Binyamini	Invited Talk - Nicola Gambino	FREE	Invited Talk - Igor C. Oliveira
10:00-10:30	*Coffee Break*	*Coffee Break*	*Coffee Break*	*Coffee Break*	*Coffee Break*
10:30-11:00	Tutorial 1: Itay Kaplan	Tutorial 1: Itay Kaplan	Tutorial 2 : van Doorn	Tutorial 2 : van Doorn	Parallel Session
11:00-11:30	Tutorial 1: Itay Kaplan	Tutorial 1: Itay Kaplan	Tutorial 2 : van Doorn	Tutorial 2 : van Doorn	Parallel Session
11:30-12:00	Tutorial 1: Itay Kaplan	Tutorial 1: Itay Kaplan	Tutorial 2 : van Doorn	Tutorial 2 : van Doorn	Parallel Session
12:00-13:30	*Lunch Break*	*Lunch Break*	*Lunch Break*	*Lunch Break*	*Lunch Break*
13:30-14:10	Special Sessions: Computability, Logic and Philosophy	Parallel Session	Special Sessions: Logic and CS, Model Theory	Parallel Session	Special Sessions: Applied PT, Set Theory
14:10-14:50	Special Sessions: Computability, Logic and Philosophy	Parallel Session	Special Sessions: Logic and CS, Model Theory	Parallel Session	Special Sessions: Applied PT, Set Theory
14:50-15:30	Special Sessions: Computability, Logic and Philosophy	Parallel Session	Special Sessions: Logic and CS, Model Theory	Parallel Session	Special Sessions: Applied PT, Set Theory
15:30-16:00	*Coffee Break*	*Coffee Break*	*Coffee Break*	*Coffee Break*	*Coffee Break*
16:00-17:00	Invited Talk - Martino Lupini	Invited Talk - Francesca Poggiolesi	Invited Talk - Viorica Sofronie-Stokkermans	Invited Talk - Gabriel Goldberg	Parallel Session
17:00-17:30	Welcome Reception	Parallel Session	*Free*	Parallel Session	Parallel Session
17:30-18:00	Welcome Reception	Parallel Session	*Free*	Parallel Session	Parallel Session
18:00-18:30	Welcome Reception	Parallel Session	*Free*	Parallel Session	Parallel Session
18:30-19:00	*Free*	Parallel Session	*Buffet*	Parallel Session	*Free*

LOGIC COLLOQUIUM 2023

Time	Porticato	Monday 5 June 2023 208	Monday 5 June 2023 302	Monday 5 June 2023 304	Monday 5 June 2023 309	Monday 5 June 2023 311	Monday 5 June 2023 400
08:30-9:00	Registration/Coffee/Opening						
9:00-10:00		Invited Talk - Zoltàn Vidnyànszky: Finite and Infinite: an Interplay Between Distributed Computing and Borel Combinatorics					
10:00-10:30	*Coffee Break*						
10:30-11:00		Tutorial 1: Itay Kaplan					
11:00-11:30		Tutorial 1: Itay Kaplan					
11:30-12:00		Tutorial 1: Itay Kaplan					
12:00-13:30	*Lunch Break*						
13:30-14:10			SS: Computability - Elvira Mayordomo, Extensions of the point to set principle	SS: Logic and Philosophy - Carolin Antos, Formal concepts, defectiveness and pluralism			
14:10-14:50			SS: Computability - Keng Meng Ng, Classifications in effective topology and computable analysis	SS: Logic and Philosophy - Luca Tranchini, Intensional aspects of proof-theoretic semantics			
14:50-15:30			SS: Computability - Manlio Valenti, On the structure of Weihrauch degrees	SS: Logic and Philosophy - Jack Woods, Prospects for Modest Inferentialism			
15:30-16:00	*Coffee Break*						
16:00-17:00		Invited Talk - Martino Lupini: Definable refinements of classical algebraic invariants.					
17:00-17:30	Welcome Reception						
17:30-18:00	Welcome Reception						
18:00-18:30	Welcome Reception						

LOGIC COLLOQUIUM 2023

Time	Porticato	208	302	304	309	311	400
		Tuesday 6 June 2023	Tuesday 6 June 2023	Tuesday 6 June 2023	Tuesday 6 June 2023	Tuesday 6 June 2023	Tuesday 6 June 2023
		208	302	304	309	311	400
08:30-9:00	Registration						
9:00-10:00		Invited Talk - Gal Binyamini, Unlikely intersections: a mathematical theory of strange coincidences.					
10:00-10:30	Coffee Break						
10:30-11:00		Tutorial 1: Itay Kaplan					
11:00-11:30		Tutorial 1: Itay Kaplan					
11:30-12:00		Tutorial 1: Itay Kaplan					
12:00-13:30	Lunch Break						
13:30-13:54			Alberto Marcone - Jumping in the Weihrauch degrees	Bernhard Stoinski - Extension of category theory using a PL0 calculus functor to form propositional morphisms in multi-agent systems	Iulian Toader - Distribution can be dropped	Hakob Tamazyan - Comparison of Proof Complexities for Linear Proofs in Quantified Sequent Calculus and Substitution Sequent Calculus	Beibut Kulpeshov and Sergey Sudoplatov - Almost quite orthogonality of 1-types in weakly o-minimal theories
13:54-14:18			Assylbek Issakhov and Uldana Ostemirova - Notes on hyperimmunity and computably enumerable equivalence relations	José Miguel Blanco and Félix Cuadrado - Formal modelling of distributed temporal graphs algorithms: the case of Raphtory	Laura Crosilla and Øystein Linnebo - Definiteness in early set theory	Andrei Sipos - The computational content of super strongly nonexpansive mappings	Beibut Kulpeshov - On algebras of binary formulas for weakly circularly minimal theories with a trivial definable closure
14:18-14:42			Wesley Calvert, Douglas Cenzer and Valentina Harizanov - Generically computable structures	Steve Awodey - Homotopy type theory: Ten years after	Hsing-Chien Tsai and Ze-Yuan Duan - On the Complexity of First-order Axiomatizable Mereological Theories	Giovanni Soldà and Fedor Pakhomov - On the reverse mathematics of some results of bqo theory	Samuel Braunfeld, Jaroslav Nešetřil, Patrice Ossona de Mendez and Sebastian Siebertz - Low covers of graph classes preserve stability and NIP
14:42:15:06			Domenico Cantone, Pietro Campochiaro, Luca Cuzziol and Eugenio Omodeo - Recursively enumerable sets and Diophantine finite-fold-ness	Owen Milner - Formalizing the Whitehead tower in cubical agda	Giorgio Sbardolini and Sebastian Speitel - Logic and Evolution	Agata Tomczyk - Sequent Calculus for non-Fregean topological Boolean theory WT	Alexandre Ivanov, Monika Drzewiecka and Bartosz Mokry - Generics in invariant subsets of automorphisms of homogeneous structures
15:06-15:30			Luca San Mauro - Effective analogues of the countable Borel equivalence relations	Selmer Bringsjord, Naveen Sundar Govindarajulu and Alexander Bringsjord - Three-dimensional hypergraphical natural deduction	Stefano Bonzio, Vincenzo Fano, Pierluigi Graziani and Michele Pra Baldi - Ignorance via Bochvar external logic	Eugenio Orlandelli and Matteo Tesi - A proof-theoretic approach to monadic logic	Aibat Yeshkeyev, Olga Ulbrikht and Aigul Issayeva - Algebraically primeness and cosemanticness
15:30-16:00	Coffee Break						
16:00-17:00		Invited Talk - Francesca Poggiolesi, Explanatory derivations in first-order logic					
17:00-17:24			Ariel Grunfeld - Monadic realizability for intuitionistic higher-order logic	Leonardo Pacheco - The mu-calculus' collapse on variations of S5	Luca Bellotti - Notes on the (un)provability of consistency	Laurentiu Leustean and Pedro Pinto - Proof mining and asymptotic regularity	Aibat Yeshkeyev, Indira Tungushbayeva and Galiya Zhumabekova - The central type of a semantic pair
17:24-17:48			Ziba Assadi and Saeed Salehi - Decidability of the Multiplicative and Order Theory of Numbers	Konstantinos Papafilippou and David Fernandez-Duque - On the expressive completeness of a tangle operator over the topological μ-calculus	Talia Leven - Robinson's diagramas a tool for dealing with Skolem's criticism of formal language	Patrick Uftring - On inverse Goodstein sequences	Davide Emilio Quadrellaro and Joni Puljujärvi - Some Model-Theoretic Results in Team Semantics
17:48-18:12			David Gonzalez - The omega-Vaught's conjecture	Mykyta Narusevych - Models of Bounded Arithmetic and variants of Pigeonhole Principle	Deborah Kant - Predicting axioms	Matilda C. E. Häggblom, Aleksi I. Anttila and Fan Yang - Axiomatizing modal inclusion logic	Joni Puljujärvi and Åsa Hirvonen - Finite Ehrenfeucht–Fraïssé games of continuous logic
18:12-18:36			Fedor Pakhomov - How to escape Tennenbaum's theorem	Ekaterina Kubyshkina and Giuseppe Primiero - Trustworthy AI: probabilities meet possible worlds	Costanza Larese and Marcello D'Agostino - Hintikka on the informativeness of logical deduction. A depth-bounded approach to classical first-order logic	Gabriele Buriola, Peter Schuster and Andreas Weiermann - Proof-theoretic relations between Higman's and Kruskal's theorem	Francesco Gallinaro and Jonathan Kirby - Quasiminimality of complex powers
18:36-19:00			Neer Bhardwaj and Gal Binyamini - Approximate Pila-Wilkie type counting for complex analytic sets.	Gaia Belardinelli and Thomas Bolander - Attention! Dynamic Epistemic Logic Models of (In)attentive Agents	Giulia Battilotti, Miloš Borozan and Rosapia Lauro Grotto - A hypothesis on the components of judgements following Freudian theory		Stefano Bonzio and Michele Pra Baldi - On the structure of Bochvar algebras

LOGIC COLLOQUIUM 2023

Time	Porticato	Wednesday 7 June 2023 208	Wednesday 7 June 2023 302	Wednesday 7 June 2023 304	Wednesday 7 June 2023 309	Wednesday 7 June 2023 311	Wednesday 7 June 2023 400
08:30-9:00	Registration						
9:00-10:00		Invited Talk - Nicola Gambino: Two-dimensional categorical logic					
10:00-10:30	*Coffee Break*						
10:30-11:00		van Doorn					
11:00-11:30		van Doorn					
11:30-12:00		van Doorn					
12:00-13:30	*Lunch Break*						
13:30-14:10			SS: Logic and Computation - Anupam Das, Fixed points and circularity in logic and computation	SS: Model Theory - Vahagn Aslanyan, The Existential Closedness with Derivatives conjecture for the j-function			
14:10-14:50			SS: Logic and Computation - Jan Pich, Towards P!=NP from Extended Frege lower bounds	SS: Model Theory - Ulla Karhumaki , Groups of finite Morley rank and supertight automorphisms.			
14:50-15:30			SS: Logic and Computation - Robert Robere, On propositional proofs and total search problems	SS: Model Theory - Konstantinos Kartas, Beyond the Fontaine-Wintenberger theorem			
15:30-16:00	*Coffee Break*						
16:00-17:00		Invited Talk - Viorica Sofronie-Stokkermans: On symbol elimination in theory extensions and applications to parametric verification.					
17:00-17:30	*Free*						
17:30-18:00	*Free*						
18:00-18:30	*Free*						
18:30-19:00	Buffet						

LOGIC COLLOQUIUM 2023

Time	Porticato	Thursday 8 June 2023 – 208	Thursday 8 June 2023 – 302	Thursday 8 June 2023 – 304	Thursday 8 June 2023 – 309	Thursday 8 June 2023 – 311	Thursday 8 June 2023 – 400
08:30-9:00							
9:00-10:00							
10:00-10:30	*Coffee Break*						
10:30-11:00		Tutorial 2: van Doorn					
11:00-11:30		Tutorial 2: van Doorn					
11:30-12:00		Tutorial 2: van Doorn					
12:00-13:30	*Lunch Break*						
13:30-13:54		Artem Burnistov, Alexey Stukachev and Marina Stukacheva - Computable functionals in Montague semantics	Guillermo Badia, Ronald Fagin and Carles Noguera - Completeness theorems for first-order real-valued logics with multidimensional sentences	Marcos M. Recio, José Miguel Blanco and Sandra M. López - Exploring the building blocks of 2 set-up Routley-Meyer semantics	Dorota Leszczyńska-Jasion - A sequent system for a Boolean non-Fregean logic WB	Russell Miller - Skolem functions and definable subsets of the absolute Galois group of Q	
13:54-14:18		Francesca Doneda, Giuseppe Primiero and Francesco Antonio Genco - A many-valued proof-theoretical system for assessing the trustworthiness of information sources	Wei Zhu - A formal investigation on belief, non-belief and suspension	Fabien Schang and Davide Falessi - Thinking about Being, Existence, and Nothingness: Why 'Every thing' is not 'Everything' (among other 'thing's)	Luiz Carlos Pereira, Elaine Pimentel and Valeria de Paiva - Translation and Prawitz ecumenical system	Guram Bezhanishvili, Luca Carai and Patrick J. Morandi - Deriving Priestley and Esakia dualities and their generalizations from Pontryagin duality for semilattices	
14:18-14:42		Cyrus Nourani and Patrik Eklund - Ultrafilters on n-types categories and the \\V Universe	Matteo Cristani, Sreehari Kaloormana and Luca Pasetto - Reasoning about ensemble learning algorithms with Justification Logic	Andrea Iacona, Crupi Vincenzo and Tiziano Dalmonte - Non-monotonicity and Contraposition	Andreas Weiermann - The phase transition for Harvey Friedman's Bolzano Weierstrass principle	Giuseppe Rosolini, Cipriano Junior Cioffo, Jacopo Emmenegger and Fabio Pasquali - Grothendieck topologies and weak limits for constructive mathematics	
14:42:15:06		Léon Probst - Admissible and Deviant Gödel Numberings	Areski Nait Abdallah - Quantum as logic: on the logic resolution of the three-polarizer paradox in quantum mechanics	Andrea Iacona and Paolo Maffezioli - Intuitionistic evidential conditional	Pedro Pinto - Proof mining and the convex feasibility problem	Ilya Shapirovsky - Locally finite polymodal logics and Segerberg -- Maksimova criterion	
15:06-15:30			Francesco A. Genco - Probabilistic computation and trust through the lens of typed λ-calculus	Philippe Balbiani and Tinko Tinchev - Modal definability in Euclidean modal logics	Davide Manca - On a weak notion of well order	Marco Abbadini and Ivan Di Liberti - Jónsson-Tarski duality beyond dimension 0	
15:30-16:00	*Coffee Break*						
16:00-17:00		Invited talk - Gabriel Goldberg: Large cardinals and the Ultrapower Axiom					
17:00-17:24		Sam Sanders - The Biggest Five of Reverse Mathematics	Faustine Oliva - How can hypermaps guide us through the computer-assisted proof of the Four Colour Theorem?	Pietro Brocci - Disquotation, Minimality and proof-theoretic power	Raheleh Jalali and Amir Akbar Tabatabai - Feasible admissible rules in intuitionistic modal logics	Francesco Dagnino - Quotients in Relational Doctrines	
17:24-17:48		Philipp Provenzano - Extracting omega-models from well-ordering principles	Stefan Hetzl and Jannik Vierling - Proof-theoretic analysis of automated inductive theorem proving	Giorgio Venturi and Pedro Yago - How to be (semantically) insensitive	Giti Omidvar and Lutz Straßburger - Combinatorial flows and their compositions	Brett McLean - Complete representation by partial functions for signatures containing antidomain restriction	
17:48-18:12		Melissa Antonelli, Ugo Dal Lago, Davide Davoli, Isabel Oitavem and Paolo Pistone - Enumerating Error Bounded Polytime Algorithms Through Arithmetical Theories	Thomas Ehrhard, Farzad Jafarrahmani and Alexis Saurin - On denotations of circular and non-wellfounded proofs	Guillermo Badia and David Makinson - First-order friendliness	Alakh Dhruv Chopra and Fedor Pakhomov - Finite Labeled Trees Ordered By Non-Inf-Preserving Embeddings	Jacopo Emmenegger, Fabio Pasquali and Giuseppe Rosolini - Quotients and equality, (co)algebraically, and the elimination of imaginary elements	
18:12-18:36		Ondřej Ježil - Limits of structures and Total NP Search Problems	Szymon Chlebowski - Intuitionistic Logic with Propositional Identity and Propositional Quantifiers.		Iris van der Giessen, Roman Kuznets and Raheleh Jalali - Proving uniform interpolation via multicomponent sequent calculi	Matteo de Ceglie - The V-logic Multiverse and Benacerraf problem	
18:36-19:00							

LOGIC COLLOQUIUM 2023

Time	Porticato	Friday 9 June 2023 208	Friday 9 June 2023 302	Friday 9 June 2023 304	Friday 9 June 2023 309	Friday 9 June 2023 311	Friday 9 June 2023 400
08:30-9:00	Registration						
9:00-10:00		Invied Talk - Igor C. Oliveira: Meta-Mathematics of Computational Complexity Theory					
10:00-10:30	Coffee Break						
10:30-10:54		Aristomenis-Dionysios Papadopoulos, Ioannis Eleftheriadis, Anuj Dawar and Samuel Braunfeld - Monadic NIP in Monotone Classes of Relational Structures	Rafael da Silva da Silveira - Precursors of the mathematization of thought applied to logic.	Leonard Kupś and Alexander Bolotov - Hypersequent calculus for PLTL	Greta Coraglia, Shreya Arya, Ana Luiza Da Conceicao Tenorio, Paige North, Sean O'Connor and Hans Riess - Categorical methods for fuzzy type theory	Hao Cheng Fu - AGM theory and the Ramsey test	
10:54-11:18		Erfan Khaniki - Nisan-Wigderson generators in Proof Complexity: New lower bounds	Valentin Goranko - On modal logics with weakly transitive accessibility relations	René Gazzari - Defining Natural Deduction derivations using a formal theory of occurrences	James Carr, Nick Bezhanishvili and Tommaso Moraschini - Hereditary structural completeness over K4	David Ellerman - Partition logic and its applications	
11:18-11:42		Amirhossein Akbar Tabatabai - Mining the Surface: Witnessing the Low Complexity Theorems of Arithmetic	Robin Martinot and Francesca Poggiolesi - Purity and Explanatoriness of Proof	Camillo Fiore and Joaquín Toranzo Calderón - A Family of Contrastructural Classical Logics	Juan Manuel Santiago Suárez and Matteo Viale - Boolean valued semantics for infinitary logics	Antonio Di Nola, Giacomo Lenzi and Gaetano Vitale - Recent Results in the Spectrum Problem	
11:42:12:06		Cheng-Syuan Wan and Niccolò Veltri - Towards Skew Non-Commutative MILL with Additives	Perceval Pillon - Deontic logic as a formalisation puzzle	Piotr Gruza - The structure of the definability relation between definitions of truth	Ioannis Eleftheriadis - Algebraically universal categories of relational structures	Andrea Sereni, Maria Paola Sforza Fogliani and Luca Zanetti - Pluralism about Criteria	
12:00-13:30	Lunch Break						
13:30-14:10		SS: Applied PT - Horatiu Cheval, Proof mining, applications to optimization, and interactive theorem proving	SS: Set Theory - Takehiko Gappo, Chang-type models of determinacy				
14:10-14:50		SS: Applied PT - Morenikeji Neri, A metastable Kronecker's lemma with applications to the large deviations in the strong law of large numbers	SS: Set Theory - Andreas Lietz, Forcing "NS_ω1 is ω1-dense" from large cardinals				
14:50-15:30		SS: Applied PT - Nicholas Pischke, Intensional Methods in Applied Proof Theory	SS: Set Theory - Zhixing You, How far is almost strong compactness from strong compactness				
15:30-16:00	Coffee Break						
16:00-16:24		Tin Adlešić and Vedran Čačić - Model constructions of NFU	Fabio Massaioli - Non-trivial invariants of rule permutation and cut-elimination in classical sequent calculus	Pablo Dopico - A rose by any other name: more supervaluation-style truth without supervaluations	Eitetsu Ken - On Σ^{B}_{0}-generalizations of counting principles over V^{0}	Kentaro Yamamoto, Tommaso Moraschini and Jamie Wannenburg - Elementary equivalence in positive logic via prime products	Bruno Bentzen - Bishop's mathematical intuitionism
16:24-16:48		Davide Sutto - Potentialist Set Theory: New Paths and Open Questions	Tin Adlešić, Vedran Čačić and Marko Doko - CoqNFU: formalizing New Foundations (with urelements) in Coq	Vitaliy Dolgorukov and Elena Popova - Temporal Epistemic Logic for Agents with Delay in Awareness	Bartosz Więckowski - Towards a modal proof theory for reasoning from counterfactual assumptions	Fredrik Engström and Orvar Lorimer Olsson - The propositional logic of teams	Ludovica Conti - Arbitrary Semantics for Abstraction
16:48-17:12		Bokai Yao - Forcing with Urelements	Mateusz Łełyk - On sets definable via pathologies in satisfaction classes	Federico Faroldi, Atefeh Rohani and Thomas Studer - Conditional Obligations in Justification Logic	Guido Gherardi and Eugenio Orlandelli - Logics of super-strict implications	Guillaume Massas - Duality for Fundamental Logic	Ioannis Souldatos - The Hanf Number for the Joint Embedding Property
17:12-17:36		Vedran Čačić - Tarski's theorem in NFU	Iosif Petrakis and Daniel Wessel - Swap algebras and swap rings	Stephen Mackereth and Jeremy Avigad - Two-sorted Frege Arithmetic is not Conservative	Mojtaba Mojtahedi - On provability logic of Heyting Arithmetic	Istvan Juhasz - Resolvability of product spaces and measurable cardinals	Joachim Mueller-Theys - A Mathematical Model of the Atom
17:36-18:00		Claudio Ternullo - Intrinsic Justification for Large Cardinals and Structural Reflection		Annika Kanckos - On first-order variants of the ontological argument	Maria Beatrice Buonaguidi - Strong conditionals for paraconsistent arithmetics: comparisons in proof-theoretic strength	Ainur Basheyeva and Svetlana Lutsak - On quasivarieties generated by some finite modular lattices	Laurent Dubois - LDL Theory And Trans-Referential Modelization Of Russell Paradox
18:00-18:24							