

Time (BST)	Monday 9 <sup>th</sup> June	Tuesday 10 <sup>th</sup> June	Wednesday 11 <sup>th</sup> June	Thursday 12 <sup>th</sup> June	Friday 13 <sup>th</sup> June
8:30–9:00	Registration and Coffee	Coffee	Coffee	Coffee	Coffee
9:00–10:00	Towards topological type theory for decrypting transfinite methods in classical mathematics <i>Ingo Blechschmidt</i>	Algebraic Universes and Variances For All <i>Matthieu Sozeau, Marc Bezem</i>	Intuitionistic modalities through proof theory <i>Sonia Marin</i>	A Guided Tour of Polarity and Focusing <i>Chris Martens</i>	A constructive higher groupoid model of homotopy type theory <i>Christian Sattler</i>
		Internalized Parametricity via Lifting Universals <i>Aaron David Stump</i>			
		Extending Sort Polymorphism with Elimination Constraints <i>Tomás Díaz, Johann Rosain, Matthieu Sozeau, Nicolas Tabareau, Théo Winterhalter</i>			
	Accessible Sets in Martin-Löf Type Theory with Function Extensionality <i>Yuta Takahashi</i>	The Case for Impredicative Universe Polymorphism <i>Stefan Monnier</i>	Higher-Order Focusing on Linearity and Effects <i>Siva Somayajulu</i>	Compositional memory management in the $\lambda$ -calculus <i>Shy Wilschaw, Graham Hutton</i>	A Ghost Sort for Proof-Relevant yet Erased Data in Rocq and MetaRocq <i>Johann Rosain, Matthieu Sozeau, Théo Winterhalter</i>
10:00–11:00	In Cantor Space, No One Can Hear You Stream <i>Martin Baillon, Assia Mahboubi, Pierre-Marie Pédro</i>	Monadic Equational Reasoning for <code>while</code> loop in Rocq <i>Ryujy Kawakami, Jacques Garrigue, Takafumi Saikawa, Reginald Affeldt</i>	Choice principles and a cotopological modality in HoTT <i>Owen Milner</i>	A Fully Dependent Assembly Language <i>Yulong Huang, Jeremy Yallop</i>	
	Examples and counter-examples of injective types in univalent mathematics <i>Tom de Jong, Martin Escardo</i>	From parametricity to identity types <i>Thorsten Altenkirch, Ambrus Kaposi</i>	Commuting Rules for the Later Modality and Quantifiers in Step-Indexed Logics <i>Bálint Kocsis, Robert Krebsers</i>	Towards Modular Composition of Inductive Types Using Lean Meta-programming <i>Ramy Shahin</i>	Efficient Program Extraction in Elementary Number Theory using the Proof Assistant Minlog <i>Franziskus Wiesnet</i>
	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00–12:00	A Coq Formalization of Lagois Connections for Secure Information Flow <i>Casper Ståhl, Léon Gondelman, René Rydhof Hansen, Danny Begsted Poulsen</i>	About the construction of simplicial and cubical sets in indexed form <i>Hugo Herbelin, Rankumar Ramachandra</i>	How (not) to prove typed type conversion transitive <i>Yann Leray</i>	Type-safe Bidirectional Channels in Idris 2 <i>Guillaume Allais</i>	Linear Types inside Dependent Type Theory <i>Maximilian Doré</i>
	Coq proof of the fifth Busy Beaver value <i>Tristan Stévin, the bchallenge Collaboration</i>	Predicative Stone Duality in Univalent Foundations <i>Aylerk Tosun, Martin Escardo</i>	Arrow algebras <i>Benno van den Berg</i>	Code Generation via Meta-programming in Dependently Typed Proof Assistants <i>Mathis Bouwerot-Dupuis, Yannick Forster</i>	Impredicative Encodings of Inductive and Coinductive Types <i>Herman Geuvers, Niels van der Weide, Steven Bronsveld</i>
	Mechanizing logical relations <i>Josselin Poutet</i>	Cocompleteness in simplicial homotopy type theory <i>Daniel Gratzer, Jonathan Weinberger, Ulrik Buchholtz</i>	Weak Equality Reflection in MLTT with Propositional Truncation <i>Felix Bradley, Zhaoxi Luo</i>	Towards Being Positively Negative about Dependent Types <i>Jan de Muijnck-Hughes</i>	NbE for LNL via Adjoint Meta-modalities <i>James Wood</i>
	Geometric Reasoning in Lean: from Algebraic Structures to Presheaves <i>Yiming Xu, Kenji Maillard</i>	Yet another homotopy group, yet another Brunerie number <i>Tom Jack, Axel Ljungström</i>	Towards Quotient Inductive Types in Observational Type Theory <i>Thiago Felicissimo, Nicolas Tabareau</i>	Implementing a Typechecker for an Esoteric Language: Experiences, Challenges, and Lessons <i>Alex Rice</i>	Unboxed Dependent Types <i>Constantine Thoocharis</i>
12:00–13:00	Löb's Theorem and Provability Predicates in Rocq <i>Janis Bailtis, Dominik Kirst, Yannick Forster</i>	Rezk Completions For (Elementary) Topoi <i>Kobe Wullaert, Niels van der Weide</i>	Matching (Co)patterns with Cyclic Proofs <i>Lide Grotenhuis, Daniël Otten</i>	A Two-level Foundation for the Calculus of Constructions <i>Pietro Sabelli</i>	A Quantitative Dependent Type Theory with Recursion <i>Oskar Eriksson, Nils Anders Danielsson, Andreas Abel</i>
	Lunch	Lunch	Lunch	Lunch	Lunch
13:00–14:00					
	Expansion in a Calculus with Explicit Substitutions <i>Ana Jorge Almeida, Sandra Alves, Mário Florido</i>	Type Theory and Philosophical Logic <i>Greg Restall</i>	Towards a computational quantum logic <i>Alejandro Diaz-Coro</i>	A Timed Predicate Temporal Logic Sequent Calculus <i>Javier Enriquez Mendoza, Sam Speight, Vincent Rahli</i>	Stellar - A Library for API Programming <i>André Videla</i>
	Presheaves on Purpose <i>Conor Mc Bride</i>	Constructive algebraic completeness of first-order bi-intuitionistic logic <i>Dominik Kirst, Ian Shillito</i>	Internal Proofs of Strong Normalization <i>Cody Roux</i>	Verfying Z3 RUP Proofs with the Interactive Theorem Provers Coq/Rocq and Agda <i>Harry Bryant, Andrew Lawrence, Monika Seisenberger, Anton Setzer</i>	An Inductive Universe for Setoids <i>Loïc Pujet</i>
14:00–15:00	Thinning Thinnings: Safe and Efficient Binders <i>April Gonçalves, Wren Kokke</i>	WEPN Opening and Welcome	Excursion Balloch, Loch Lomond	Formalising Monitors for Distributed Deadlock Detection <i>Radosław Jan Rowicki, Adrian Francalanza, Alceste Scalas</i>	Weihrauch Problems as Containers <i>Ian Price, Cecilia Pradic</i>
	Categorical Normalization by Evaluation: A Novel Universal Property for Syntax <i>David G. Berry, Marcelo Fiore</i>	Ecumenical logic <i>Elaine Pimentel</i>		Fair Termination for Resource-Aware Active Objects <i>Francesco Dagnino, Paola Giannini, Violet Ka I Pan, Ulises Torrella</i>	Containers: Compositionality for Tensors <i>Neil Ghani, Pierre Hyvernat, Artjoms Sinkarovs</i>
	Rational Codata as Syntax-with-Binding <i>Sean Watters</i>			Mechanized safety of Jolteon consensus in Agda <i>Orestis Melkonian, Mauro Jaskeloff, James Chapman</i>	Large Elimination and Indexed Types in Refinement Types <i>Alessio Ferrariini, Niki Vazou</i>
15:00–16:00	Coffee break	Coffee break		Coffee break	Coffee break
	Dependent two-sided fibrations for directed type theory <i>Fernando Chu, Paige Randall North</i>			Canonical Bidirectional Typing via Polarised System L <i>Zsolt Mészáros</i>	HoTTLean: Formalizing the Meta-Theory of HoTT in Lean <i>Joseph Hua, Steve Awodey, Mario Carneiro, Sina Hazratpour, Wojciech Nawrocki, Spencer Woolfon</i>
	Synthetic-Inductive Category Theory <i>Jacob Neumann</i>	Why Types: Natural Structures of Mind or Artificial Formal Tools? <i>Irina Starikova</i>		An existential-free theory of arithmetic in all finite types <i>Makoto Fujiwara</i>	Towards Formalising the Guard Checker of Rocq <i>Yee-Juan Tsin, Yannick Forster</i>
16:00–17:00	Directed equality with dinaturality <i>Andrea Laretto, Fosco Loregian, Nicolò Veltri</i>			A Generalized Logical Framework <i>András Kovács, Christian Sattler</i>	Lean4Lean: Mechanizing the Metatheory of Lean <i>Mario Carneiro</i>
	A Type Theory for Comprehension Categories with Applications to Subtyping <i>Nigelshta Njamaei, Niels van der Weide, Benedikt Ahrens, Paige Randall North</i>	Reasoning with strict symmetric monoidal categories in Agda <i>Malin Altenmüller</i>		A Curry-Howard correspondence for intuitionistic inquisitive logic <i>Ivo Pešlar, Vít Punčochář</i>	Solving Guarded Domain Equations in Presheaves Over Ordinals and Mechanizing It <i>Sergei Stepanenko, Amin Timany</i>
	Break	Type Theory of Acyclic and Cyclic Algorithms without Chain Memory <i>Roussanka Loukanova</i>		Y is not typable in $\lambda U$ <i>Herman Geuvers, Joep Verkoelen</i>	Break
17:00–18:00	Irregular models of type theory <i>Andrew Wakelin Swan</i>	Break	Business Meeting	Cohomology in Synthetic Stone Duality <i>Hugo Moeneclaey, Thierry Coquand, Felix Cherubini, Freek Geertjens</i>	
	An algebraic internal groupoidal model of Martin-Löf type theory <i>Calum Hughes</i>			Representing type theories in two-level type theory <i>Nicolai Kraus, Tom de Jong</i>	
	Realizability Triposes from Sheaves <i>Bruno da Rocha Paiva, Vincent Rahli</i>			Extensional concepts in intensional type theory, revisited <i>Yufeng Li, Krzysztof Kapulkin</i>	
	AdapTT: A Type Theory with Functorial Types <i>Arthur Adjodj, Thibaut Benjamin, Meeen Lennon-Bertrand, Kenji Maillard</i>	Discussion on gender balance issues		Lightweight Agda Formalization of Denotational Semantics <i>Peter D Mosses</i>	
18:00–19:00					
19:00–20:00	Welcome reception Livingstone Tower, level 11				
			Conference Dinner Grosvenor Cafe		