

DAYS IN λ LOGIC 2026

Timetable

Thursday, 29rd January

09h15 Welcome

09h30 **(course)** Bruno Jacinto, *Higher-order modal logic and the philosophy of mathematics*

10h30 Imme van den Berg, *A nonstandard functional approach to the measure decomposition theorem*

11h00 Coffee break

11h30 Sérgio Marcelino, *Can we effectively compare many-valued logics?*

12h00 Jin Wei, *Approximate completeness of hypersequent calculus for first-order Lukasiewicz logic*

12h30 Lunch

14h00 **(course)** Sonja Smets, *Dynamic epistemic logic for formal epistemology*

15h00 Ana Jorge Almeida, *On the relation between a calculus with explicit substitutions and a resource calculus*

15h30 Filipa Mendes, *The logical essence of call-by-name CPS translations*

16h00 Coffee break

16h30 Pedro Pinto, *Moduli and quantitative aspects of hyperbolic spaces via proof mining*

17h00 Muhammad Afaq Khan, *On fuzzy topological semantics*

17h30 Juliana Cunha, *Modal invariant relations for paraconsistent transition systems*

18h00 End of the session

Friday, 30th January

09h00 **(course)** Anupam Das, *Cyclic proofs, a primer*

10h00 Daniel Graça, *Analytic maps and Turing universality*

10h30 Carlos Caleiro, *Bounded rationality and polynomial approximations beyond classical logic*

11h00 Coffee break

11h30 **(course)** Bruno Jacinto, *Higher-order modal logic and the philosophy of mathematics*

12h30 Lunch

14h00 **(course)** Sonja Smets, *Dynamic epistemic logic for formal epistemology*

15h00 Miguel Alves, *On the mechanisation of the multiary λ -calculus and subsystems*

15h30 Cheng-Syuan Wan, *An Agda formalization of nonassociative Lambek calculus*

16h00 Coffee break

16h30 **(course)** Anupam Das, *Cyclic proofs, a primer*

17h30 Rodrigo Alves, *The category of many-logics modal logic models*

18h00 End of the session

20h00 Social dinner

Saturday, 31st January

09h00 **(course)** Bruno Jacinto, *Higher-order modal logic and the philosophy of mathematics*

10h00 **(course)** Sonja Smets, *Dynamic epistemic logic for formal epistemology*

11h00 Coffee break

11h30 **(course)** Anupam Das, *Cyclic proofs, a primer*

12h30 End of the meeting
