

LYON, 13-14 OCTOBER 2025

18 rue Chevreul (Room/Salle : Rotonde)

LOGIC & INTELLIGIBILITY OF COMPUTATIONAL PROCESSES

Org. : Jean-Baptiste Joinet & Hugo Cadière

MONDAY 13/10, afternoon

SESSION 1: Semantics and constructivity

- 14:30-15:30 Victor BARROSO-NASCIMENTO (University College London)
Higher-order Kripke models for intuitionistic and non-classical modal logics
- 15:45-16:45 Joaquim WADDINGTON (University College London)
Base-extension semantics for Prawitz's ecumenical system
- 17:00-18:00 Luiz Carlos PEREIRA (Universidade Estadual do Rio de Janeiro)
On Prawitz' unpublished proof of the constructive validity of classical principles

TUESDAY 14/10, morning

SESSION 2: Philosophy of computation

- 09:00-10:00 Alberto NAIBO (IHPST, Université Paris 1 Panthéon-Sorbonne)
The epistemic features of algorithms
- 10:15-11:15 Mariana ANTONUTTI (IHPST, Université Paris 1 Panthéon-Sorbonne)
About Robin Gandy's philosophy of mathematics and his conception of the mechanization of mathematical thought
- 11:30-12:30 Paolo PISTONE (Université Lyon 1 & LIP-Plume ENS de Lyon)
On Knowledge Through and Knowledge About Algorithms

TUESDAY 14/10, afternoon

SESSION 3: Logic and expressivity

- 14:00-15:00 Marcelo E. CONIGLIO (Instituto de Filosofia e Ciências Humanas & Centro de Lógica, Epistemologia e História da Ciência, Universidade Estadual de Campinas – UNICAMP)
Hyperalgebraic structures induced by hyperlattices: Applications to non-classical logics
- 15:15-16:15 Bruno LOPES (Universidade Federal Fluminense, UFF)
A note on Propositional Dynamic Logic expressiveness and complexity

Supported by :

CAPES-COFECUB

Université Jean Moulin Lyon 3 (IRPhil)

University College London

ANR Geometry of Algorithms (IHPST, Paris 1)

Informations : <http://irphil.univ-lyon3.fr>

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