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LYON, 06-07 NOVEMBER 2024

LOGIC AND INTELLIGIBILITY OF COMPUTATIONAL PROCESSES

Interdisciplinary Workshop
Philosophy of Logic, Language and Computation theory

Org. : Jean-Baptiste Joinet & Hugo Cadière

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Université Jean Moulin – Lyon 3. 15 Quai Claude Bernard. Room : CAILLEMER

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Supported by Institut de Recherche Philosophique de Lyon (IRPhiL, Lyon 3)
and the CAPES-COFECUB programme « Logic and Intelligibility of Computational Processes »

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Wednesday 06/11, afternoon

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Session 1 : Logic and Generative Artificial Intelligence

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14:30-15:30 Paolo PISTONE (Université Lyon 1 & LIP-Plume ENS de Lyon)
Proofs and programs in the era of "algorithmic culture"

15:30-16:30 Jean-Baptiste JOINET (IRPHIL, Université Jean Moulin Lyon 3)
Training transforms a computational identity into a more complex function: a bridge between the proofs-as-programs perpective and the machine learning one?

16:45-17:45 Hermann HAUESLER (PUC-Rio)
Solomonoff-Based Framework for Explainability in Machine Learning

Thursday 07/11, morning

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Session 2: Logical translations

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10:00-11:00 Luiz Carlos PEREIRA (Universidade Estadual do Rio de Janeiro)
Glivenko from an ecumenical viewpoint

11:00-12:00 Gilda FEREIRA (Universidade de Lisboa)
The problem of identity preservation of proofs in the Russell-Prawitz translation

Thursday 07/11, afternoon

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Session 3: Modalities

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14:00-15:00 Elaine PIMENTEL (University College London)
Playing with modalities

15:00-16:00 Hugo CADIÈRE (IRPHIL, Université Jean Moulin Lyon)
Monads as Modalities and Modalities as Monads: thinking modalities dialectically through categories, topos theory and (modal) homotopy type theory

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Session 4: Philosophy of language

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16:15-17:15 Camilla JOURDAN (Universidade Estadual do Rio de Janeiro)
Wittgenstein and deep disagreements (part 1). ....Title to be confirmed

17:15-18:15 *Vinicius* PERENHA (Universidade Estadual do Rio de Janeiro)
Wittgenstein and deep disagreements (part 2) ....Title to be confirmed

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