

LOGIC AND COMPUTING: HOW DO THEY INTERFACE ?

Interdisciplinary workshop - History and Philosophy of Logic and Computing theory

Lyon, 07-08 November 2022

**Salle André BOLLIER, MSH-LSE
14, av. Berthelot - 69007 LYON
(au rez-de-chaussée)**

Monday 07 November (afternoon)

- 14:00-15:15 Michele ABRUSCI (Università di Roma Tre)
1922, the launch of Hilbert's program : its contribution to the development of logic and the birth of computer science.
- 15:15-16 :30 Jean-Baptiste JOINET (IRPhI, Université Jean Moulin Lyon 3)
Through the proofs-as-programs correspondence, may propositions be seen as ideal elements ?

Coffee break

- 16 :45-18:00 Paolo PISTONE (Università di Roma Tre)
Logic and Approximated Computing: a Marriage of Convenience?

Tuesday 08 November

- 10:00-11:15 Thomas SEILLER (LIPN, UMR 7030, CNRS & Université Sorbonne Paris Nord)
Realisability over abstract models of computations, and algorithms as specifications
- 11 :15-12:30 Philippos PAPAYANNOPOULOS (IHPST, UMR 8590 CNRS & Université Panthéon-Sorbonne Paris 1)
Restoring peace between abstract algorithms and concrete computations: a role for continuity

Lunch break

- 14:30-15:45 Adrien CHAMPOUGNY (IHPST, UMR 8590 CNRS & Université Panthéon-Sorbonne Paris 1, ED de Philosophie de Paris 1)
Reverse mathematics and constructivism

Organisé par Jean-Baptiste Joinet et Hugo Cadière

Avec le soutien de l'IRPhI (Université Jean Moulin Lyon 3, Faculté de Philosophie), du programme Geometry of Algorithms (ANR, IHPST, UMR 8590 CNRS & Université Panthéon-Sorbonne Paris 1) et du Laboratoire Junior TheoDem (ENS de Lyon)

Informations actualisées en ligne sur : <http://irphil.univ-lyon3.fr/>
Contact : jean-baptiste.joinet@univ-lyon3.fr