

PROGRAMME:

JOUR 1 (le 17 mai 2010) // DAY 1 (May 17, 2010)

9h - 9h30 / 9 - 9.30 A.M.: *Andrei Rodin*: Welcoming address

9h30 - 10h50 / 9.30 - 10.50 A.M. *René Guitart* Topos and Algebraic Universe

11h - 12h20 / 11 A.M. - 12.20 P.M. *Christian Houzel* Sur l'article de Grothendieck 'Sur quelques points de l'algebre homologique'

12h20 - 14h / 12.20 P.M. - 2 P.M. LUNCH / DEJEUNER

14h-15h / 2 - 3 P.M. *Noson Yanofsky* On the Utility of Category Theory

JOUR 2 (le 31 mai 2010) // DAY 2 (May 31, 2010)

9h30 - 10h30 / 9.30 - 10.30 A.M. 15h - 16h / 3 - 4 P.M. *Andrei Rodin* [Towards categorical foundations of geometry: What is geometrical object?](#)

10h45 - 12h15 / 10.45 A.M. - 12.15 P.M. *Jean Sallantin & Dominique Luzeaux* Ideosphères et mathèmes : utilisation d'outils catégoriques

12h20 - 14h / 12.20 P.M. - 2 P.M. DEJEUNER / LUNCH

14h-15h / 2 - 3 P.M. *Alain Prouté* On the link between topoi and the vernacular of mathematics

JOUR 3 (le 14 juin 2010) // DAY 3 (June 14, 2010)

9h - 10h10 / 9.00 - 10.10 A.M. *Jean Bénabou* "Transcendent" methods in Category Theory

10h15 - 11h25 / 10.15 - 11.25 A.M. *Jean-Jacques Szczeciniarz* Théorie de Galois non-galoisienne

11h30 - 12h40 / 11 A.M. - 12 P.M. *Marc Lachièze-Rey* Théorie des catégories et physique

12h40 - 14h15 / 12.40 P.M. - 2.15 P.M. LUNCH

14h15 - 15h25 / 2.15 - 3.25 P.M. *Louis Crane* Categorical approach to quantum space-time

15h30 - 16h40 / 3.30 P.M. - 4.40 P.M. *Pino Rosolini* Categories and sets (with a brief Introduction by Giuseppe Longo)

17h - 19h / 5 P.M. - 7 P.M.

Table Ronde sur la question de Structuralisme en Mathématiques autour du livre de *Jean-Pierre Marquis* "From a Geometrical Point of View", avec la participation de son Auteur.

Round Table on the topic of Structuralism in Mathematics around the book by *Jean-Pierre Marquis* "From a Geometrical Point of View" with the participation of the Author.