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P H I L M A T H S E M I N A R

Research seminar in the philosophy of mathematics and the philosophy of logic

Organizers: Fabrice Pataut (SND - UMR 8011 Sciences, Normes, Démocratie, CNRS et Sorbonne Université) and Francesca Poggiolesi (IHPST - (UMR 8590, Institut d'Histoire et de Philosophie des Sciences et des Techniques, CNRS et Université Paris 1 Panthéon- Sorbonne)

Lundi 17 avril 2023, **17h-19h,** salle des conférences de l'IHPST, 13 rue du Four, 75006 PARIS

(format hybride)

Richard Zach

(University of Calgary)

Titre : The pre-history of automated reasoning

Résumé :

Automated theorem proving started around 1960 with the almost simultaneous proposal and implementation of several proof search and refutation algorithms which are still used today. These algorithms were based on the work of logicians working on Hilbert's program, especially Bernays, Herbrand, and Gentzen. Strikingly, most of the theoretical groundwork for automated theorem proving was laid in the 1950s by analytic philosophers. The talk will focus on Alan Robinson's resolution proof system and its influences found in the work of W. V. O. Quine, Burton Dreben, Martin Davis & Hilary Putnam, and Bernard Symonds & Roderick Chisholm.

Lien Zoom
: https://pantheonsorbonne.zoom.us/j/99346835483?pwd=SWJIN01sWHBscDJsbUFtcFNqMmtNdz09

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