

Sasa Popovic (University of Belgrade): “« Un nouvel hommage réparateur »: historico-philosophical considerations concerning Veronese’s rectimétrie and the foundations of non-Archimedean geometry”

The talk is going to consist of two main parts: (i) reconstruction of the historico-philosophical context within which non-Archimedean geometry appeared, and (ii) analysis of the philosophical underpinnings and implications of Veronese’s rectimétrie, i.e. his theory of the absolute (infinitesimal-enriched) continuum. It will be shown why it is especially important to study non-Archimedean geometry from a joint historico-philosophical perspective as well as why certain parts of the official history of non-Archimedean mathematics ought to be revised.