

Department of Mathematics, BGU

Jerusalem - Be'er Sheva Algebraic Geometry Seminar

On Wednesday, December ,16 2020

At 15:00 – 16:30

In

Jakob Scholbach (Münster (Germany))

will talk about

Special values of motives over Spec \mathbb{Z}

Abstract: L-functions of motives over Spec \mathbb{Z} encompass both L-functions associated to smooth projective varieties over \mathbb{Q} and zeta functions of schemes over Spec \mathbb{Z} . In this talk I will state a conjecture about special values of such L-functions. This conjecture shares a kinship with Poincaré duality or Artin-Verdier duality. It is equivalent to the conjunction of the conjectures of Beilinson, Soulé and Tate and allows to take advantage of the fact that motives over Spec \mathbb{Z} form a triangulated category.