ENUMERATIVE GEOMETRY SEMINAR

Speaker: Yuuji Tannaka
BIMSA

Time: Wed. Nov. 12th, 14:00 - 16:00
Venue: SIMIS room TBA

Construction of Spin(7)-instantons

Abstract: After a brief introduction to Gauge theory in higher dimensions, as proposed by Donaldson and Thomas in the late '90s, we will introduce the notion of Spin(7)-instantons on Riemannian 8-manifolds with holonomy contained in Spin(7); and illustrate the constructions of them on Joyce's examples of compact Spin(7)-manifolds. This talk is partly based on joint work with Mateo Galdeano, Daniel Platt, and Luya Wang.