

**Talk on September 26, 2024, 14:00 am**

**Speaker: Prof. Mario García Fernandez,  
Universidad Autónoma de Madrid**

**Title: Higher instantons**

**Abstract:**

I will propose a natural notion of instanton in higher gauge theory, motivated by generalized geometry and the Hull-Strominger system in heterotic supergravity. In the last part of the talk I will give an overview of recent advances on the geometry of the moduli space of higher instantons on a compact Calabi-Yau manifold. Based on joint work with Da Silva, Lotay and Sa Earp (arXiv:2404.12937) and ongoing work with Álvarez-Cónsul and Tellez.