ODTU-Bilkent Algebraic Geometry

“Free involutions on ihs manifolds”

By

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Abstract: Irreducible holomorphic symplectic manifolds are one of the building blocks of kähler manifolds with vanishing first Chern class. In dimension 2 they are called K3 surfaces. Free involutions on K3 surfaces are quite interesting because they connect this class of surfaces with another class, namely Enriques surfaces. I will talk about a formula for the number of free involutions on a K3 surface (joint work with I. Shimada), the classification of K3 surfaces without any free involution (joint work with S. Brandhorst and S. Sonel) and the generalization to higher dimensions (joint work with S. Boissière).

Date: 12 March 2020, Thursday
Time: 15:40 +
Place: Mathematics Seminar Room, SA- 141
Tea and cookie will be served before the talk. You are most cordially invited.