



## SINGULAR SPACES WITH TRIVIAL CANONICAL CLASS

**Dr. Stéphane Druel**

**Universite Grenoble Alpes-CNRS**

**Time:** 10:00-11:00, Thu, October 19, 2017

**Venue:** Room 2213, East Main Guanghua Tower, Handan Campus

**Abstract:** The Beauville-Bogomolov decomposition theorem asserts that any compact Kähler manifold with numerically trivial canonical bundle admits an étale cover that decomposes into a product of a torus, an irreducible, simply-connected Calabi-Yau, and holomorphic symplectic manifolds. With the development of the minimal model program, it became clear that singularities arise as an inevitable part of higher dimensional life. I will present recent work in which we partly extend the Beauville-Bogomolov decomposition theorem to the singular setting.