

***THE NONVANISHING PROBLEM FOR VARIETIES WITH
NEF FIRST CHERN CLASS***

Speaker: Vladimir Lazić
Universität des Saarlandes

Time: Wed, Apr. 27, 15:00-16:00

Venue: Zoom Meeting 840 2712 4061, password: SCMS

Abstract: Let X be a threefold with mild singularities such that $c_1(X)$ is nef. In this talk I will present a very recent proof that then the numerical class of $c_1(X)$ is effective. This result (joint work with Thomas Peternell, Nikolaos Tsakanikas and Zhixin Xie) is the positive curvature counterpart of the famous result of Miyaoka from the 1980s, which showed that $-c_1(X)$ is effective as soon as it is nef.