



SCMS Colloquium

Minimal Model Program and Foliation Theory

Paolo Cascini

Imperial College London

Time: Sep 25th, 13:30–14:30

Venue: Gu Lecture Hall, SCMS



Abstract:

The aim of the Minimal Model Program is to generalise the classification of complex projective surfaces, known in the early 20th century, to higher dimensional varieties. Besides providing a historical introduction, we will discuss some recent results and new aspects of this Program and some of its extensions to the theory of foliations.

About the speaker:

Paolo Cascini, 英国帝国理工学院教授（现任数学系主任），在双有理几何尤其是极小模型纲领与叶状结构等领域取得了一系列奠基性及突破性成果。特别是2010年他与 Birkar, Hacon 和 M^cKernan 的合作工作中，证明了代数簇的 flip 的存在性与典范环的有限生成性，该项工作是双有理代数几何领域的重大突破。2016年，他也因此获得美国数学会 Moore 研究论文奖。

