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Joint Colloquium

(also part of the MIST 2018 program)

Curvature and topology of manifolds

Professor Simon Brendle
Columbia University, USA

Abstract

The interplay between curvature and topology of Riemannian manifolds is among the most fundamental questions in differential geometry. Over the past century, various different approaches have been developed to attack these types of problems. This includes variational techniques based on geodesics and minimal surfaces, as well as the Ricci flow approach pioneered by Richard Hamilton. In this lecture, I will give an overview of the subject, focusing on the positive curvature setting.

Date:	27 February 2018 (Tuesday)
Venue:	Tse Chiu Kit Room, Chung Chi College Library, The Chinese University of Hong Kong, Shatin
Time:	4:00 p.m. – 5:00 p.m.

**Note: There will be tea reception before the colloquium and dinner afterwards.
Please contact Martin Li (martinli@math.cuhk.edu.hk) for details.**

All are Welcome!