



香港中文大學
The Chinese University of Hong Kong

DEPARTMENT OF
MATHEMATICS
THE CHINESE UNIVERSITY OF HONG KONG

Distinguished Public Lecture

(part of MIST 2018 Junior Colloquium)

Heat Diffusion in Geometry

Speaker:

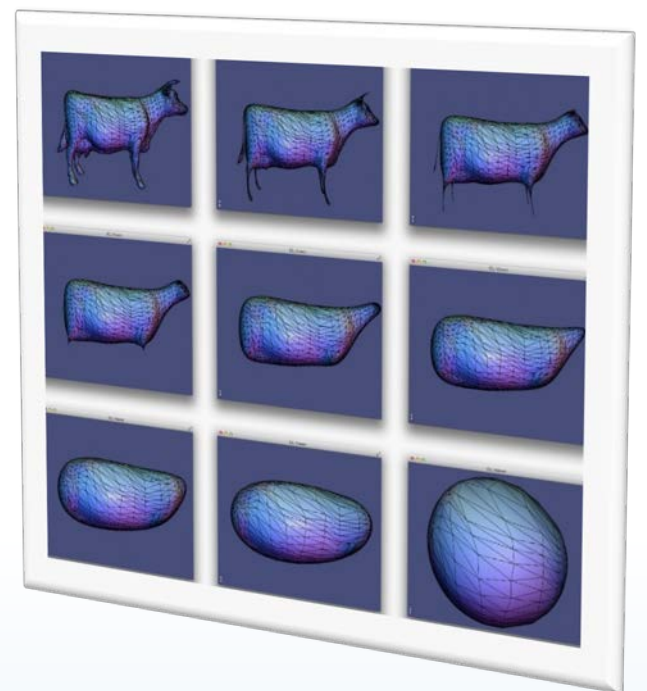
Professor Gerhard Huisken
University of Tübingen



Director, Mathematical Research Institute of Oberwolfach (MFO)
Recipient of Gottfried Wilhelm Leibniz Prize

Abstract

The lecture will describe how diffusion properties of geometric evolution equations of parabolic type can be used to deform complicated geometric structures into simpler models that can be more easily understood. Specific examples will be the deformation of hypersurfaces by mean curvature flow and the deformation of Riemannian metrics by Ricci flow.



Date: 13 January 2018 (Saturday)

Time: 3:00pm – 4:00pm

Venue: LT 2, Lady Shaw Building, CUHK

*** There will be a tea reception starting at 2:30pm.**

All are Welcome
Enquiry: 3943 7988