ANALYSIS/PDE SEMINAR SERIES

TOPIC: The Neumann Problem for Nonlinear Elliptic and Parabolic Equations
SPEAKER: Xinan Ma, University of Science and Technology of China
TIME: 3:00pm-4:00pm, Friday, March 30, 2018
VENUE: Room 264, Geography Building, Zhongbei Campus
HOST: Thierry De Pauw, NYU Shanghai

ABSTRACT OF THE TALK

We shall study the existence of Neumann problem for some geometry elliptic PDE, which includes the Hessian equations on strict convex domain, mean curvature equation and special Lagrange equation. Then we study some parabolic corresponding results and the existence of translation solutions on strictly convex domain. This is the joint work with Chuanqiang Chen, Guohuan Qiu, Peihe Wang, Wei Wei, and Dekai Zhang.

BIOGRAPHY

Professor Xinan Ma graduated from Hangzhou University in 1996. He subsequently held a position at East China Normal University, Shanghai, and since 2005 he is a Professor of Mathematics at the University of Science and Technology of China, Hefei. His work pertains to nonlinear elliptic partial differential equations and to geometric analysis.