



Department of Mathematics
The Chinese University of Hong Kong

For Favour of Posting

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Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

Colloquium

Mathematics at the University of Exeter: Addressing global challenges and real-world impact

Professor Gavin Shaddick

Chair of Data Science and Statistics

Head of Department of Mathematics, University of Exeter

Abstract

The University of Exeter is a member of the prestigious Russell Group of research intensive universities has recently entered into a strategic partnership with CUHK. Ranked in the top 1% of universities in the world, 98% of research at Exeter is rated as being of international quality. Within the University, Mathematics is one of the largest departments and has an international reputation for the real-world impact of mathematics. It is renowned for developing and applying methodological research to some of today's most important societal challenges, including climate change, weather forecasting, air quality and global health. We have a strong partnership with the UK Met Office that includes Joint Chairs, multiple joint positions, an extensive collaborative research portfolio, and together we have the most contributing authors to the Intergovernmental Panel on Climate Change of any city in the world. Mathematical research in the department is focused around seven key areas: (i) Climate Dynamics; (ii) Geophysical and Astrophysical Fluids; (iii) Mathematics and the Environment; (iv) Statistical Science; (v) Systems Biomedicine; (vi) Dynamical Systems & Analysis; and (vii) Number Theory, Geometry & Algebra. Mathematics also plays a central in the recently established Institute of Data Science and Artificial Intelligence (IDSAI); truly inter-disciplinary research institution, with data scientists, mathematicians, statisticians, social scientists, philosophers and computer scientists. The University has recently become a member of the Alan Turing Institute for Data Science, the UKs national centre for Data Science. The department has many exciting opportunities for both postgraduate study and research covering the entire spectrum from pure mathematics to real-world applications and in this presentation, in addition to providing a background to the research being performed at Exeter, we will give details of future opportunities in this area.

Date: 11 April 2018 (Wednesday)

Time: 5:00pm - 6:00pm

Venue: Room 219, Lady Shaw Building

The Chinese University of Hong Kong, Shatin

All are Welcome