香港浸會大學
HONG KONG BAPTIST UNIVERSITY

Department of
Mathematics

Distinguished Lecture Series

Advancements in Computing Solutions of Hyperbolic Conservation Laws

Professor Rolf Jeltsch

Emeritus Professor
Seminar for Applied Mathematics
ETH Zurich
Dr Kennedy Wong Distinguished Visiting Professor
Department of Mathematics
Hong Kong Baptist University

Dates: 12, 17, 24, 31 October and 7, 21, 28 November 2017

Time: 15:30 - 16:30 pm (Preceded by Reception at 15:00 pm)

Venue: FSC1217 Fong Shu Chuen Building, Ho Sin Hang Campus, Hong Kong Baptist University

Abstract

In the last five years the development of numerical methods for systems of hyperbolic conservation laws has advanced dramatically. This changed the concept of what is considered to be a solution. The first time ever since 1757 when Euler developed his equations for gas dynamics can one now show convergence of numerical solutions to solutions of these equations. Starting from basic knowledge in the field these new schemes are presented.

The series of lectures has to be seen in connection with the Workshop on Numerical Methods for Hyperbolic Conservation and Balance Laws and Applications 10-11 November 2017.

The activity is organised with the generosity of Dr Kennedy Y.H. Wong who supported the establishment of Dr Kennedy Y.H. Wong Distinguished Visiting Professorship Scheme to promote international academic exchange and strengthen HKBU status in the international academic community.

✦ ✦ ✦   All are welcome   ✦ ✦ ✦

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