

Mathematics & Statistics Seminars and colloquia

Joint with Computer and Information Science

18th April: Professor Jane Hillston (University of Edinburgh)

25th May: Professor Neil Ghani (Computer and Information Science, University of Strathclyde)

Department Colloquia

20th April: Dr Neil Banas (Mathematics and Statistics)

Applied Analysis

31st March: Dr Neil Banas (Mathematics and Statistics)

22nd April: Dr Joaquim Correia (University of Évora, Portugal)

Title: About a Vanishing Viscosity-Capillarity Method

Date: 4pm Friday 22nd April 2016

Venue: [Livingstone Tower](#), 9th floor, room LT908

Abstract: We consider a class of nonlinear dissipative-dispersive perturbations of the scalar conservation law $\partial_t u + \operatorname{div} f(u) = 0$ and we study the convergence of the approximated solutions to its entropy solution. In particular, we obtain conditions under which the balance between dissipation and dispersion gives rise to the convergence (by DiPerna's measure-valued solution technique).

Continuum Mechanics and Industrial Mathematics

Mr Justin Conn (Mathematics and Statistics)

Mr Omar Alshaimi (Mathematics and Statistics)

20th May: Dr Stewart Haslinger (University of Liverpool)

Numerical Analysis and Scientific Computing

Population Modelling and Epidemiology

30th March: Dr Robert Wilson (Mathematics and Statistics, University of Strathclyde)

25th May: Raphael Ximenes (Department of Mathematics & Statistics, University of Strathclyde)

6th April: Dr Amanda Weir (Health Protection Scotland)