Department of Mathematics

News Archive

September 2008 – August 2009

Congratulations to Tom Bates and Preeyesh Bhadresha

Joint winners of the Haya Freedman Prize for "Best Dissertations" in 2008/09.

Cyril Offord Prize 2008-9

The Offord Prize for 2008-9 was awarded to Stephen Almond for his outstanding achievements on the BSc Business Mathematics and Statistics. To find out more, please click here.

Congratulations to Teaching Prize Winners

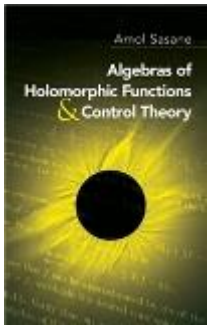
Our congratulations go to David Ferguson, Ioannis Kouletsis, and Julian Merschen on winning three of the School's Graduate and Guest Teacher Prizes 2009. These are awarded annually by LSE's Teaching and Learning Committee based on a number of factors, including the termly surveys of students' opinions of class teaching. Each of the three achieved excellent scores and received great student feedback.

We would like to thank all our class teachers for their excellent work over the last year.

New staff!

The Department is delighted to welcome two new lecturers, and a new member of administrative staff. Dr Albina Danilova joined us in July, and Dr Konrad Swanepoel starts with us on 1st September. In addition we welcome a new MSc Administrator, Rebecca Batey, who also starts with us on 1st September.

New Book by Amol Sasane



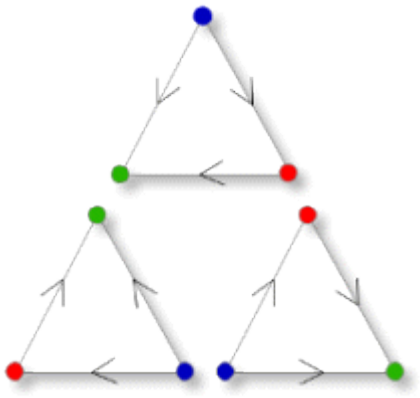
We are pleased to announce the publication of Amol Sasane's book 'Algebras of Holomorphic Functions and Control Theory'. The book is an undergraduate-level text, which illustrates the the role of algebras of holomorphic functions in the solution of an important engineering problem: the stabilization of a linear control system. Its concise and self-contained treatment avoids the use of higher mathematics and forms a bridge to more advanced treatments. It is published by Dover Publications.

Congratulations to Viresh Patel

Viresh was successfully examined for his PhD in May. Viresh was jointly supervised by Graham Brightwell and Jan van den Heuvel.

May 2009: One day Colloquium in Combinatorics

On Thursday 21st May the LSE Mathematics Department hosted its third one-day colloquium in combinatorics. This followed a similar event held on the previous day at Queen Mary. As in previous years the colloquium was a great success attracting around 90 participants from all over the UK, around a third of whom were PhD students.

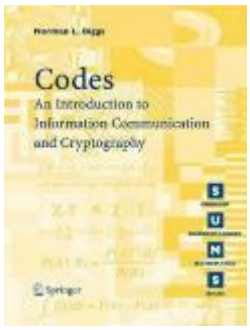


There were six talks at LSE. Peter Keevash (Queen Mary) explained some of his impressive recent work on a class of processes for generating graphs without a given subgraph, improving the lower bounds on some Ramsey and Turan numbers. Stefanie Gerke (Royal Holloway) gave an entertaining account of her work on thresholds for connectivity in random intersection graphs, with applications to the problem of distributing secure keys in networks. Angelika Steger (ETH Zurich) spoke about her mathematical analysis of a recent model for bursts of neuron firing in the brain, explaining how the rigorous analysis explained some (but not all) of the curious behaviour observed in computer simulations. Leslie Goldberg (Liverpool) spoke about recent work on the complexity of evaluating partition functions: she was able to describe exactly what types of weighted substructures of a large structure are computationally easy to count. Rahul Savani (Warwick), a former student in the Department, explained how two game-theoretic problems related to connectivity in graphs are equivalent, and related to the structure of the graph. Finally, Jaroslav Nešetřil (Prague) gave the annual Norman Biggs lecture: he spoke about graph-theoretic problems stemming from approaching the subject from the point of view of category theory, and described some of the extraordinarily rich structure of the class of directed graphs with the homomorphism relations.

LSE Mathematics launches a new BSc in Mathematics with Economics

Find out more about the new degree, which will start in October 2010, by clicking here.

New book by Norman Biggs



We are pleased to announce the recent publication of Norman Biggs' new book 'Codes: An Introduction to Information Communication and Cryptography'. The book is an integrated introduction to the mathematics of coding and it has been described as 'an undergraduate textbook that is a pleasure to read'. It is published by Springer.