

Combinatorics: when mathematics meets engineering

Friday 7 November, 3-6pm, Mathematics Building, Room G2

A “Bridging the Gaps” event exploring challenges in combinatorics across mathematics and engineering

Programme:

Keynote talk by Professor Celia Glass
City University

Introduction by Dr John Schormans

Professor Rosemary Bailey
Block designs and electrical networks

Dr. Rob Donnan
Applying group theory to ‘photonic’ structures for solving the inverse problem

Professor Leonard Soicher
Using groups in combinatorial searches

Tea and coffee

Dr. John Schormans
What is the settling time when simulating large-scale combinatorial /Markov Chain models of networks?

Dr. Soren Riis
Combinatorial problems arising from network coding

Professor Peter Cameron
Permutation groups and synchronizing automata

Dr. John Bigham
Combinatorial problems in mobile network optimisation

Dan Stowell
Musical timbre: matching acoustic features to human perception

Discussion

Evening wine buffet

For more information and to register please email tijana.timotijevic@elec.qmul.ac.uk

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