

October 2008-September 2009: ICMS KT Activity

Dr Helen Bridle, KT Officer, part-time 25%

This report lists the main achievements of the 2008/2009 KT activity (see Outcomes section) and then provides more details of the different events organised and the participants.

Outcomes:

- 7 KT events with a total of 33 non-mathematicians (industrialists or other academics) engaged
- 2 very popular public lectures, the first with 120 attendees and the second with 70.
- 1 BtG funded collaboration between industry and academia as an outcome of an ICMS workshop
- 3 BtG funded problem scoping workshops to develop further themes first discussed at a KT section of an ICMS workshop
- 1 colloquium lecture with 13 attendees (mainly other mathematicians)
- ICMS promoted to a wide range of different organisations (total of ~400 invitations to ICMS events sent out throughout the year plus via personal contacts at 7 conferences and 12 meetings).

List of events and attendees:

- Adaptivity, Robustness and Complexity of Multiscale Algorithms whole workshop:
David Gelder, Mathematics for Manufacturers and Pilkington; Yi Liu, AWE Plc.
- Adaptivity, Robustness and Complexity of Multiscale Algorithms networking lunch:
Martin Crapper and Jian Fei Chen, University of Edinburgh.
- 120 people (out of 169 registered) attended the public lecture *Malaria, Mosquitoes and Models* on Wednesday the 17th June at 6pm, given by Professor Charles Godfrey at The Royal Society of Edinburgh (RSE).
- Applications of Maths in Energy: total of 33 attendees of which 12 were from industry (see below industry participants list as well as the attached report)
Ray Hunter, Renewable Energy Systems Ltd (presented Problem 1); Deryck Brown, Zi-Lift Ltd (presented Problem 2); Mat Thomson, Garrad Hassan (presented Problem 3)
Craig Brand, Scottish Power; John Cosgrove, Associate of Energy Invest (Edinburgh University); Dario Ghazi, Centrica; David Hall, Plurion; Nigel Harper, Energy Invest Group (plus colleague Tim); Adrian Kirby, Centrica Ltd;

Angela Mathis, ThinkTank Maths; Hannu Rajaniemi, ThinkTank Maths; Total: 12 attended

- Recent developments in thin film flow KT session: 3 presentations from consultants/researchers working with industry
David Gelder, Mathematics for Manufacturers and Pilkington; Michele Taroni, Oxford University/Dupont; Dilwyn Jones, Emral Ltd/ Institute of Physics Printing and Graphics Science Group.
- 70 people (out of 108 registered) attended the public lecture, Two Darwinian Engimas on Tuesday 21st July at 6pm, given by Marc von Regenmortel at 15 South College Street.
- Applications of Maths in the Life Sciences: 3 presentations from industry/academia. Total of 6 KT attendees.
Tom Freeman, Fios Genomics and Roslin Institute; Claire Dauly, Lein Diagnostics; Gordon Plotkin, CSBE.
Other attendees: Peter Ghazal, DPM; Okon Ononokpono, KL Pharmaceutical; James Sinfield, Genecom.
- Matrix Group Computing KT evening: 2 chemists attended, 1 presentation.
Herbert Fruchtl; Carole Morrison.
- Applications of Maths in the Socio-economic Sciences: 2 problem based presentations, one from industry, another from academia. Total of 3 KT attendees.
David Simmons, Aon Benfield; Darren Unwin, HWU
Alex Sawyers, Giles Insurance Brokers.