UNIVERSITY OF Southampton

Joint SORG / CORMSIS Seminar by
Prof. Richard Eglese from the Lancaster University

Title: Can OR transform the problem? Examples from vehicle routing

Abstract:
Three aspects of transforming the problem in the context of vehicle routing will be considered. The first concerns how a real situation is modelled. Logistics operations often exhibit features that present challenges in producing an appropriate model. The second aspect concerns the detailed formulation once the problem has been specified. Many vehicle routing problems can be formulated in different ways that can affect their ease of solution. Thirdly, new variants of vehicle routing problems will be considered where the objectives are not only economic, as is usual in conventional vehicle routing models, but consider other objectives such as those concerned with service and the environment, drawing on recent research in Green Logistics.

A brief biography

Richard Eglese is a Professor of Operational Research at the Department of Management Science in Lancaster University Management School. His research interests concern mathematical and computational modelling for logistics and focus on optimisation techniques, particularly heuristic methods, applied to problems of vehicle routing and scheduling. He has worked on a variety of applications including food distribution to supermarkets and winter gritting for road surfaces. Recent research has focussed on Green Logistics. In 2010-2011 he is President of the Operational Research Society in the U.K.

Date & Time: 14:00-15:00, 6th June 2012 (Wednesday)

Venue: Room 3041, Building 2, Highfield Campus

Coffee and Tea will be available from 13:45

All are welcome

For any queries, please contact cormsis@soton.ac.uk

CORMSIS

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