



Interdisciplinary Cutting, Packing and Space Allocation

Seminar: Cutting and Packing: Typologies, Solution Methodologies and Commercial Software

Friday 19th October 2007, Nottingham, 10:30 – 16:00

Agenda

10:15 – 10:45 Coffee/Registration

10:45 – 11:00 Opening Remarks (Graham Kendall)

11:00 – 12:00 **Typology of cutting and packing problems**

Professor Gerhard Wäscher from the Department of Management Science Faculty of Economics and Management, Otto-von-Guericke-University Magdeburg. Professor Wäscher will present a new typology of cutting and packing problems, based on a paper he has recently co-authored (Gerhard Wäscher, Heike Haußner and Holger Schumann "An improved typology of cutting and packing problems" European Journal of Operational Research, in Press). This paper allows us to classify the various types of cutting and packing problems, which provides some insight as to how they could be tackled.

12:00 – 12:30 Discussion (Note: Professor Wäscher will have to leave soon after his talk)

12:30 – 13:30 Lunch

13:30 – 14:30 **Exact and approximate algorithms for solving cutting & packing problems**

Professor Ramon Alvarez-Valdes from the Depart. Estadística i Investigació Operativa, University of Valencia. Ramon's presentation is entitled "Exact and approximate algorithms for solving cutting & packing problems". The talk will give an overview of Ramon's research and will then focus on one particular problem in order to provide an overview of the techniques and approach that was used.

14:30 – 14:45 Discussion

14:45 – 15:45 **Commercial Cutting and Packing Software**

Dr Glenn Whitwell, Managing Director of Aptia Solutions Ltd. Glenn will present and demonstrate the cutting and packing software that has been developed from the research undertaken at the University of Nottingham.

15:45 – 16:00 Discussion

16:00 Close