ARCOM DOCTORAL RESEARCH WORKSHOP

Simulation and Modelling in Construction
School of Civil & Environmental Engineering, University of Edinburgh
Friday 26th October 2001 11.00-16.00

Chairman: Professor Akin Akintoye, Glasgow Caledonian University
Organisers: Dr Andy Dainty, Loughborough University and Dr Simon Smith, University of Edinburgh

10.30 – 11.00 Coffee

11.00 – 11.05 Welcome and introduction to the day
Andy Dainty, Loughborough

11.05 – 11.15 Introduction to Simulation and Modelling
Akin Akintoye, Glasgow Cal.

11.15 – 11.35 MODELLING THE VALUE OF CONSTRUCTION MECHATRONICS INVESTMENT OPPORTUNITIES
Mark Taylor, Napier

11.35 – 11.45 Discussion and questions

11.45 – 12.05 THE DEVELOPMENT OF A STRATEGIC EMPLOYEE RESOURCING FRAMEWORK (SERF) FOR CONSTRUCTION
Ani Raiden, Loughborough

12.05 – 12.15 Discussion and questions

12.15 – 12.35 THE STRATEGIC DECISION PROCESS - A MODEL IN USE
Paul Wilson, Reading

12.35 – 12.45 Discussion and questions

12.45 – 13.45 Lunch

13.45 – 14.05 VFM AND RISK ALLOCATION MODELS IN CONSTRUCTION PPP PROJECTS
Bing Li, Glasgow Cal.

14.05 – 14.15 Discussion and questions

14.15 – 14.35 ASSESSMENT OF SPACE CRITICALITY IN SEQUENCING CONSTRUCTION ACTIVITIES USING VR
Zaki Mallasi, Teeside

14.35 – 14.45 Discussion and questions

14.45 – 15.05 A DATA CAPTURE MECHANISM FOR MODELLING CONSTRUCTION PLANT BREAKDOWN AND MAINTENANCE COSTS
David Oloke, Wolverhampton

15.05 – 15.15 Discussion and questions

15.15 – 15.30 Summary and conclusions
Akin Akintoye, Glasgow Cal.

15.30 – 16.00 Tea and Close