Programme Overview

<table>
<thead>
<tr>
<th>Day 1 1st April 2008</th>
<th>Henley &amp; Arden suite (ground floor)</th>
<th>Norton &amp; Adderley suite (first floor)</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Registration &amp; Coffee</td>
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<tr>
<td>09:45-10:00</td>
<td>Welcome</td>
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<tr>
<td>10:00-11:00</td>
<td>Keynote (Henley &amp; Arden suite)</td>
<td>“Intelligence, Innovation &amp; Integrity - K D Tocher and the dawn of simulation”</td>
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<td>Brian Hollocks (Bournemouth University Business School)</td>
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<td>11:00-11:30</td>
<td>Coffee Break</td>
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<tr>
<td>11.30-12.30</td>
<td>Session 1: Simulation applications I</td>
<td>Session 2: Modelling Human Factors</td>
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<td>12:30-14:00</td>
<td>Lunch</td>
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<tr>
<td>14:00-15:30</td>
<td>Session 3: Simulation applications II</td>
<td>Session 4: Simulation analysis</td>
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<td>15:30-16:00</td>
<td>Coffee Break</td>
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<td>16:00-17:30</td>
<td>Session 5: Conceptual modelling I</td>
<td>Session 6: Simulation in health</td>
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<td>19:30</td>
<td>Conference Dinner</td>
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## Programme Overview

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<th>Day 2 2nd April 2008</th>
<th>Henley &amp; Arden suite (ground floor)</th>
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<td>09:00-10:30</td>
<td><strong>Session 7:</strong> Conceptual modelling II</td>
<td><strong>Session 8:</strong> Comparing simulation methods</td>
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<td><strong>Coffee Break</strong></td>
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<tr>
<td>11:00-12:30</td>
<td><strong>Session 9:</strong> Conceptual modelling III</td>
<td><strong>Session 10:</strong> Simulation and system optimisation</td>
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<tr>
<td>12.30-13.30</td>
<td><strong>Lunch</strong></td>
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| 13:30-15:00          | Panel Discussion: (Henley & Arden suite)  
  “Simulation optimisation: the best thing since sliced bread?”  
  Steve Chick (INSEAD); Mark Elder (simul8); Shane Kite (Saker Solutions); Ray Paul (Brunel/LSE)  
  Led by Mike Pidd (University of Lancaster) |                                       |
| 15:00-15:30          | **Coffee Break**                     |                                       |
| 15:30-17:00          | **Session 11:** Simulation applications III | **Session 12:** Simulation software |
| 17:00                | **Close**                            |                                       |
Day 1 (Tuesday 1st April 2008)

09:00  Registration and coffee

9:45-10:00  Welcome
Stewart Robinson (Warwick Business School) & Simon J E Taylor (Brunel University)

10:00-11:00  Keynote
Keynote Chair: Stewart Robinson (Warwick Business School)
“Intelligence, Innovation & Integrity - K D Tocher and the dawn of simulation”
Brian Hollocks (Bournemouth University Business School)

11:00-11:30  Coffee Break

11:30-12:30  Session 1: Simulation applications I
Session Chair: Sally Brailsford (University of Southampton)

Successful Simulation In Social Services: Two Case Studies
Sally Brailsford (University of Southampton) et al.

Integrating Simulation With Shift Pattern Design Software To Enable Effective Demand Management
Peter Loader (Process Evolution Limited)

11:30-12:30  Session 2: Modelling Human Factors
Session Chair: Jeremy Garnett (University of the West of Scotland)

An Agent-Based Simulation Of In-Store Customer Experiences
Peer-Olaf Siebers (University of Nottingham) et al

A Cellular Agent Based Method For Modelling Human Queueing Systems
Jeremy Garnett (University of the West of Scotland)

12:30-14.00  Lunch
14:00-15:30  **Session 3: Simulation applications II**
Session Chair: Korina Katsaliaki (*Middlesex University*)

**Simulation Modelling Of Airport Passenger Departures**
Martin Barber (*University of Salford*) & Peter Durie (*Manchester Airport Group*)

**A Discrete Event Simulation To Improve Maintenance Performance**
Krige Visser (*University of Pretoria*) & Christiaan Visser (*University of South Africa*)

**Capacity Planning And Facility Layout Of Road Services With The Use Of Simulation**
Korina Katsaliaki (*Middlesex University*)

14:00-15:30  **Session 4: Simulation analysis**
Session Chair: Katy Hoad (*Warwick Business School*)

**Simulation Assisted Optimization By Random Search**
Russell Cheng (*University of Southampton*)

**An Investigation Of The Sequential Sampling Method For Crossdocking Simulation Output Variance Reduction**
Adrian Adewunmi, Uwe Aickelin & Mike Byrne (*University of Nottingham*)

**Automating Estimation Of Warm-Up Length**
Katy Hoad, Stewart Robinson & Ruth Davies (*Warwick Business School*)

15:30-16:00  **Coffee Break**

16:00-17:30  **Session 5: Conceptual modelling I**
Session Chair: Bhakti Ongoo (*Lancaster University*)

**Conceptual Modelling And The Modelling Process In Simulation Projects: A Survey Of Simulation Modellers**
Wang Wang & Roger Brooks (*University of Lancaster*)

**Conceptual Modelling for Participative Simulation – a Case Study on Lean Planning**
Durk-Jouke van der Zee, Arnout Pool & Jacob Wijngaard (*University of Groningen*)

**The Conceptual Model of a Distribution Warehouse Simulation**
Bhakti Ongoo, Murat Gunal (*Lancaster University*) & Will Maden (*University of Huddersfield*)

16:00-17.30  **Session 6: Simulation in health**
Session Chair: Michael Pidd (*University of Lancaster*)

**Developing Simulation Models Of Possible Future Scenarios For The Delivery Of Acute Care In NHS Ayrshire And Arran To Inform The Decision Making Process**
Consuelo Lara & Kirstin Dickson (*NHS Ayrshire & Arran*)

**An Agent-Based Simulation Model Of MRSA Transmission In Hospital**
Yang Meng and Ruth Davies (*Warwick Business School*) et al.

**DGHPSim: Performance Modelling Of General Hospitals**
Michael Pidd & Murat Günal (*University of Lancaster*), Alec Morton (*LSE*)
Day 2 (Wednesday 2nd April 2008)

09:00-10:30  Session 7: Conceptual modelling II
Session Chair: Cathal Heavey (University of Limerick)

A Framework For Applying Case-Based Reasoning In Simulation Modeling
Ming Zhou (Indiana State University), Zhimin Chen (Shen Zhen University) & Xu Chen (University of Electronic Science & Technology of China)

Conceptual Modelling Of Logistic Terminals: A Frame Work For Classification Of Models
K.C. James & M. Bhasi (Cochin University of Science and Technology)

Conceptual And Process Modelling: Analysis In Complex Simulation Environments
Cathal Heavey (University of Limerick)

09:00-10:30  Session 8: Comparing simulation methods
Session Chair: Antuela Tako (Warwick Business School)

System Dynamics And Discrete Event Simulation: A Meta-Comparision
Kirandeep Chahal & Tillal Eldabi (Brunel University)

Selection Of Simulation Tools For Improving Supply Chain Performance
Chris Owen (PricewaterhouseCooper LLP), Doug Love & Dr. Pavel Albores (Aston University)

Comparison Of Model Building In Discrete-Event Simulation And System Dynamics
Antuela Tako & Stewart Robinson (Warwick Business School)

10:30-11:00  Coffee Break

11:00-12:30  Session 9: Conceptual modelling III
Session Chair: Mohammad Hamdhaidari (University of Sussex)

Blurring The Boundaries Of Simulation: The Doris Multimedia Living Extensions
Phil Watten, Mohammad Hamdhaidari et al (University of Sussex)

Conceptual Modelling For Stochastic Micro-Population Simulations
Dineli Mather (Deakin University)

Simulation Modelling In Viral Marketing
Dineli Mather (Deakin University) et al
11:00-12:30  **Session 10: Simulation and System Optimisation**
Session Chair: Oliver Rose *(Dresden University of Technology)*

*A Simulation-Based Workforce Scheduling Heuristic For Complex Assembly Lines*
Martin Falk Majohr & Oliver Rose *(Dresden University of Technology)*

*Train Conflict Resolution With SMD-Approach*
Assil Al-Ibrahim & Jan van der Wal *(University of Amsterdam)*

*Using Varying Levels Of Simulation Detail To Model One System*
Anthony Timmiss *(Nissan Motor Manufacturing Ltd)*

12:30-13:30  **Lunch**

13:30-15:00  **Panel Discussion: “Simulation Optimisation: the best thing since sliced bread?”**
Session Chair: Mike Pidd *(University of Lancaster)*

15:00-15:30  **Coffee Break**

15:30-17:00  **Session 11: Simulation Applications III**
Session Chair: Tillal Eldabi *(Brunel University)*

*Understanding Agile Organizations*
James Moffat *(DSTL)*

*A Survey of Simulation Techniques in Commerce and Defence*
Tillal Eldabi et al. *(Brunel University)*

*Modelling The Military Operational Future*
Catherine Brown *(DSTL)*

15:30-17:00  **Session 12: Simulation software**
Session Chair: Simon Taylor *(Brunel University)*

*Are State Of The Art Simulators Moving The Modelling Goalposts?*
Michael Ellarby & Gary Pattison *(Saker Solutions Ltd.)*

*Investigating Grid Computing Technologies For Use With Commercial Simulation Packages*
Navonil Mustafee *(Warwick Business School)* & Simon Taylor *(Brunel University)*

*Search And Discovery: Investigating The Role Of Ontologies In Commercial Simulation Packages*
Simon Taylor et al *(Brunel University)* Paul Fishwick *(University of Florida)*