

YoungOR 18 2013

Schedule

Author names are listed in the order of Presenter first then alphabetically.
All rooms are in the Peter Chalk Centre

Tuesday 09 April 2013

09:30	Registration, coffee, tea - Hall 2
10:30	<p>Welcome and Plenary - Newman E Theatre</p> <p><i>Antuela Tako, Conference Chair, Loughborough University</i></p> <p><i>O.R. - a 2020 vision?</i></p> <p><i>Geoff Royston, President of the OR Society</i></p>

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5
11:30	<p>A YoungOR Guide to ...</p> <p>The OR Society: YOUR Professional Body</p> <p><i>Gavin Blackett</i></p>	<p>Analytics</p> <p>KEYNOTE: Data Science 2.0 – Big Data</p> <p><i>John James and Michael O'Connell</i></p>	<p>Consultancy</p> <p>'Big Data' Challenge Within Asset Management</p> <p><i>Tamara Castelli and Ben Neate</i></p>	<p>Manufacturing</p> <p>Manufacturer-Retailer Coordination</p> <p><i>Fereshteh Mafakheri and Fuzhan Nasiri</i></p>	<p>Defence & Security</p> <p>Models of Intelligence Operations</p> <p><i>Jak Marshall, Kevin Glazebrook, Chris Kirkbride and Roberto Szechtman</i></p>
12:00	<p>A YoungOR Guide to ...</p> <p>An Introduction to DEA</p> <p><i>Bing Xu</i></p>	<p>Strategy & Sustainability</p> <p>OR For Sustainability: Implications for Governance</p> <p><i>Andrea Bonfiglioli and Miles Weaver</i></p>	<p>Consultancy</p> <p>Evidence Based Decision Making for Thames Water</p> <p><i>Kevis Pachos</i></p>	<p>Manufacturing</p> <p>An Improved ACO Algorithm For PTALBP-I</p> <p><i>Ibrahim Kucukkoc, Edward Keedwell, Alireza Pakgohar and David Zhang</i></p>	<p>Defence & Security</p> <p>MHPC: Capability Time Analysis</p> <p><i>Matthew Tindell</i></p>

12:30	Lunch - Hall 2
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Tuesday 09 April 2013

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5
13:30	Data Envelopment Analysis DEA and Banking Sector Efficiency <i>Shamaila Ishaq</i>	Strategy & Sustainability Sustainability and Distributed PSM <i>Altea Lorenzo Arribas and Dominic Duckett</i>	Consultancy Public Sector Fraud Analytics <i>Paul Pierotti</i>	Simulation Simul8 Modelling of Schools' Back Office Functions <i>Adeel Saya</i>	Defence & Security How Do Troops Use Cover? <i>Emma Noble</i>
14:00	Data Envelopment Analysis Reasons For Default <i>Angela De Moraes</i>	Strategy & Sustainability Sustainability Roadmap from Strategy to Operations <i>Masoud Fakhimi, Navonil Mustafee and Lampros Stergioulas</i>	Consultancy Reducing Cost-To-Serve <i>Elina Michailidou and Hannah Muitt</i>	Simulation Conceptual Modelling <i>Fahim Ahmed, Stewart Robinson and Antuela Tako</i>	

14:30	Break - coffee, tea - Hall 2				
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15:00	Data Envelopment Analysis KEYNOTE: Performance Evaluation-Forecasting Models <i>Jamal Ouenniche</i>		Consultancy Apprenticeships Fund Distribution Pilot <i>Stephen Wisbey</i>	Simulation Dynamic Probability Modelling in the Fire Service <i>Andrew Cooper</i>	Revenue Management Pricing and Margin Modelling in the Postal Sector <i>Steve Pretty</i>
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Tuesday 09 April 2013

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5
15:30	Data Envelopment Analysis Analyzing Microfinance Institutions Using DEA <i>Sadia Farooq</i>	A YoungOR Guide to ... O.R. In Schools <i>Louise Orpin, Noel-Ann Bradshaw, Vincent Knight</i>	Consultancy Price Sensitivity Analytics <i>Jin Chen</i>	Simulation Excel Based Simulation for Internal Logistics Syst <i>Mahmoud Osman and John Ladbrook</i>	Revenue Management Estimation and Learning of Customer Preference <i>Yalin Bi</i>
16:00				Simulation KEYNOTE: Learning From Software Development <i>Steven Jones</i>	Revenue Management Dynamic Pricing Using Reinforcement Learning <i>Rupal Rana</i>
16:30		WORKSHOP: How to Get OR into the Mathematics Classroom <i>Louise Orpin</i>	WORKSHOP: Mendeley: A New Disruptive Innovation <i>Miles Weaver</i>	WORKSHOP: OR Goes Social <i>Altea Lorenzo Arribas</i>	
17:00					

Wednesday 10 April 2013

08:30	Registration, coffee, tea - Hall 2
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	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5
09:30	<p>MCDA & Soft Methods Reference Point Methods and Approximation <i>Kai-Simon Goetzmann, Christina Büsing, Jannik Matuschke and Sebastian Stiller</i></p>	<p>A YoungOR Guide to ... Young OR Guide to Facilitated Simulation <i>Antuela Tako</i></p>	<p>Optimization KEYNOTE: First-Level RLT Relaxations of 0-1 Prog <i>Konstantinos Kaparis, Franklin Fomeni and Adam Letchford</i></p>	<p>Energy Evaluating Energy Awareness Campaigns <i>Paula Morgenstern</i></p>	<p>Infrastructure Decent Homes Study <i>Joe Kirrane And Fin O'Flaherty</i></p>
10:00	<p>MCDA & Soft Methods KEYNOTE: Productive Dialogue <i>Ashley Carreras</i></p>			<p>Energy KEYNOTE: Portfolio Theory for Energy Contractors <i>Peter Ahcin</i></p>	<p>Infrastructure Modelling Risk and Investment for a Water Company <i>Richard Hawkins</i></p>
10:30	<p>Disaster Management Project Contingency Budget Plan <i>Junwei Zeng, Pedro Crespo del Granado and Fajie Wei</i></p>	<p>A YoungOR Guide to ... What Is Business Intelligence? <i>Sayara Beg</i></p>	<p>Optimization Second Order Methods for L1-Regularization <i>Kimon Fountoulakis and Jacek Gondzio</i></p>		<p>Infrastructure Generalised Discrete Time-Cost Trade-Off Problem <i>Alireza Pakgohar, Stephen Childe, Ibrahim Kucukkoc and David Zhang</i></p>

11:00	Break - coffee, tea – Hall 2
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Wednesday 10 April 2013

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5
11:30	<p>Analytics Cash Is King <i>Monika Ziola</i></p>	<p>Health KEYNOTE: Conceptual Model Framework Public Health <i>Hazel Squires, Ronald Akehurst, Jennifer Burr and James Chilcott</i></p>	<p>Optimization Optimization With Primal-Dual Column Generation <i>Pablo González-Brevis</i></p>	<p>Energy Effective Modeling of Non-Linear Energy Flows <i>Marina Tvorogova</i></p>	<p>Infrastructure District Water Reuse Network Optimisation <i>Fuzhan Nasiri, Martin Shouler and Siraj Tahir</i></p>
12:00	<p>Disaster Management KEYNOTE: Inter-Model Ids-Evacuation Decision Making <i>Paul Kailiponi</i></p>		<p>Optimization Facility Location for British Cycling <i>Harry Garnish</i></p>	<p>Energy OR & Nuclear – A Practitioners’ View <i>John-Patrick Richardson</i></p>	<p>Infrastructure Optimising Water Distribution Network <i>Godfrey Chagwiza</i></p>
12:30		<p>Strategy & Sustainability Supplier- Relationship: Social Performance <i>Elena Pershina</i></p>	<p>Optimization Optimal Search for K Balls in N Boxes <i>Thomas Lidbetter</i></p>	<p>Energy Modelling Long-Term Energy Transitions <i>Will Usher</i></p>	<p>Infrastructure Strategic Buildings’ Energy Systems Planning <i>Emilio L. Cano, Markus Groissböck, Javier M. Moguerza and Michael Stadler</i></p>

13:00	Lunch – Hall 2
14:00	<p>Plenary - Newman E Theatre <i>‘Continuous Improvement: Past, Present and Systemic Future’</i> <i>Amanda Gregory, Business School, University of Hull</i></p>
15:00	Break - coffee, tea – Hall 2

Wednesday 10 April 2013

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5
15:30	<p>A YoungOR Guide to ... Deciding on Which PSM to Use <i>Ashley Carreras</i></p>	<p>Health Vcjd Transmission Risk Associated With Red Cells <i>Maren Daraktchiev and Peter Bennett</i></p>	<p>Optimization Decomposition of Large-Scale Rostering Problems <i>Gabriele Piero Janner and Andreas Klinkert</i></p>	<p>Disaster Management Disaster Management Developing Countries <i>Oscar Rodriguez-Espindola, Pavel Albores, Christopher Brewster and Priyanka Roy</i></p>	<p>Infrastructure KEYNOTE: Management of Transport Infrastructure <i>Andy Chow</i></p>
16:00	<p>A YoungOR Guide to ... A YoungOR Guide To MCDA <i>Brian Reddy</i></p>	<p>Health Muscular Task Rotation Optimisation <i>Andres Rodriguez, Lope Barrero and Jose Jimenez</i></p>			
16:30		<p>WORKSHOP: The Future Policy Influence of O.R. <i>John Friend and Leroy White</i></p>	<p>WORKSHOP: OR Outside <i>James Collingwood</i></p>	<p>WORKSHOP: Build Your Own Pub! <i>Dave Buxton and Kevis Pachos</i></p>	
17:00					

Thursday 11 April 2013

09:00	Registration, coffee, tea - Hall 2
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	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5	Hall 1 Rm 1.6
10:00		<p style="text-align: center;">Health Assessing Diabetic Retinopathy Screening Intervals <i>Daniel Chalk, Martin Pitt, Ken Stein and Bijay Vaidya</i></p>	<p style="text-align: center;">Disaster Management KEYNOTE: OR: Key For Successful Disaster Management <i>Pavel Albores, Oscar Rodriguez and Priyanka Roy</i></p>	<p style="text-align: center;">Strategy & Sustainability KEYNOTE: Sustainability & Strategy: OR Perspective <i>Miles Weaver and Andrea Bonfiglioli</i></p>	<p style="text-align: center;">Criminal Justice Case Progression Analysis <i>Jon Budzynski and Mark Goldsborough</i></p>	<p style="text-align: center;">Defence & Security Olympic Security at the Port of Dover <i>Michael Hill and Chris Holt</i></p>
10:30	<p style="text-align: center;">Supply Chain Supply Chain Risk Propagation <i>Abhijeet Ghadge</i></p>	<p style="text-align: center;">Health Endemic Infectious Disease Modelling <i>Moritz Wagner</i></p>			<p style="text-align: center;">Criminal Justice Measuring Criminal Court Efficiency Using DEA <i>Charlie Lee</i></p>	<p style="text-align: center;">Defence & Security Optimisation In Defence Procurement <i>Tim Woodcock</i></p>

11:00	<p>Plenary - Newman E Theatre <i>'Using data to drive action for customers'</i> <i>Elizabeth Shepherd, Director Business Intelligence and Web Analytics, Hotels.com</i></p>
12:00	<p>HALF HOUR LUNCH - Hall 2</p>

Thursday 11 April 2013

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5	Hall 1 Rm 1.6
12:30	<p>Supply Chain Two Ways to do Supply Chain Better with OR <i>Emily Schütze</i></p>	<p>Health A System Dynamics Model for Norovirus <i>Abdul Khaled</i></p>	<p>Analytics Long Run Incremental Costing (LRIC) in Royal Mail <i>Fenella Heagney</i></p>	<p>Strategy & Sustainability Capturing Water Movement Through Optimisation <i>James Heppell, Joerg Fliege, Sevil Payvandi, Tiina Roose, Joel Smethurst and Konstantinos Zygalakis</i></p>	<p>Criminal Justice Using VSM to Improve Communication in the Police <i>Gary Preece</i></p>	<p>Defence & Security KEYNOTE: London 2012 Search and Screening <i>Christopher Holt</i></p>
13:00	<p>Supply Chain KEYNOTE: OR in the Marks and Spencer Supply Chain <i>Victoria Forman</i></p>	<p>Simulation Simulation Conceptual Modelling <i>Miles Weaver</i></p>	<p>Analytics Modelling the Impact of External Influences on Volume Forecasts at Royal Mail <i>Katherine Stoker</i></p>	<p>Strategy & Sustainability Influence Corporate Governance has on Supply Chain <i>Viorel Vasile</i></p>	<p>Criminal Justice Commissioning Offender Services Using Segmentation <i>Richard Thorne, David Dorrell, Karen Grove and Philip Howard</i></p>	
13:30		<p>Simulation Towards Defining Insightful Thinking in Simulation <i>Anastasia Gogi, Stewart Robinson and Antuela Tako</i></p>	<p>Analytics Analysing Analytics <i>Michael J. Mortenson, Neil F. Doherty and Stewart Robinson</i></p>	<p>Strategy & Sustainability Roundtable Discussion at Young OR 18 <i>Joao Quariguasi</i> 13:30 – 14:30</p>	<p>Criminal Justice Forecasting Parole Caseload <i>Brian Burton</i></p>	<p>Energy Analytics Applied to Smart Grids + Energy Storage <i>Pedro Crespo Del Granado</i></p>

Thursday 11 April 2013

	Hall 1 Rm 1.1	Hall 1 Rm 1.2	Hall 1 Rm 1.3	Hall 1 Rm 1.4	Hall 1 Rm 1.5	Hall 1 Rm 1.6
14:00	<p>Supply Chain ABM for a Cement SCM With Logistic Outsourcing <i>Asmuardi Muluk and David Zhang</i></p>	<p>Simulation Dynamic Micro Simulation of Working Age Benefits <i>Tanya Powell</i></p>	<p>Analytics Is Building a 'Data Warehouse' Still Worth It? <i>Sayara Beg</i></p>	<p>Strategy & Sustainability Roundtable Discussion (continued) at Young OR 18 <i>Joao Quariguasi</i></p>		<p>Energy District Heating Systems Optimisation <i>Chiara Bordin and Daniele Vigo</i></p>
14:30	<p>Careers Panel - Newman E Theatre Discussion on topical careers issues followed by Question and Answer session. <i>Pavel Albores, Aston University - Mark Chapman, Prospect Recruitment David Cope, Government Operational Research Service - Richard Hill, Atass Sports Ltd, Elizabeth Shepherd, Hotels.com - Peter Simpson (PricewaterhouseCoopers)</i></p>					
16:00	<p>Conference Close</p>					