

OR58 Tuesday 06 September 2016

FULL CONFERENCE PROGRAMME (Please note authors names are listed in order of Presenter first and then alphabetically).

Time	Richmond LT	DS1.01	DS1.02	DS1.04	DS1.05	DS1.07	DS1.08	DS1.09	DS1.10	DS1.11	DS1.12	DS2.07	DS2.08	DS2.09	DS2.12	DS2.13	DS2.14	DS2.01
08:00	Registration/Refreshments/Luggage store 08:00 onwards (Dennis Sciamia Grd Floor)																	
09:00	Welcome - 09:00 - 09:30 (Richmond Building LT) Pal Ahluwalia - Pro Vice-Chancellor, Portsmouth University OR58 Co-Chairs - Djamila Ouelhadj, Portsmouth University and Alan Robinson, Dstl																	
09:30	Opening Plenary: 09:30 - 10:30 (Richmond Building LT) Ruth Kaufman (OBE), Independent Consultant and President of The OR Society 'Diversity and Identity: Challenges and Opportunities for UK O.R.'																	
10:30	Refreshments (Dennis Sciamia Grd Floor)																	
11:00			Lean Manufacturing KEYNOTE : Critical Success of Lean Implementation <i>Hom Dhakal</i>		Metaheuristics KEYNOTE : Dynamic Visualisation Many-Objective Data <i>Jonathan Fieldsend</i>	Simulation KEYNOTE : Simheuristics: A Method of First Resort <i>Angel Juan, Manuel Chica, Jesica De Armas and W. David Kelton</i>	Multiple Criteria Decision Analysis KEYNOTE : Multi-Methodology Approach for Policy Support <i>Valentina Ferretti</i>	Health and Social Care Modelling KEYNOTE : Marriage Between OR and Healthcare - How? <i>Andrew Fordyce</i>	Problem Structuring KEYNOTE : Moving Beyond Value Conflicts <i>Gerald Midgley</i>		Data Envelopment Analysis Efficient Parabolic Frontier <i>João Carlos Soares de Mello, Lidia Angulo Meza and Juliana Quintanilha da Silveira</i>		Data Envelopment Analysis Cost Efficiency in the English HE Sector <i>Maria Papadimitriou Gölcükcü and Jill Johnes</i>	Inventory Management Cooperative Replenishment Through Bidding <i>Behzad Hezarkhani</i>	Information Systems Less Is More <i>Christine Welch, Peter Bednar and Peter Imrie</i>	Behavioural Operational Research Simple Decision Models? <i>Katsikopoulos and Ian Durbach</i>	OR and Public Policy KEYNOTE : Climate Adaptation in The Netherlands <i>Jan Kwakkel, Marjolijn Haasnoot and Warren Walker</i>	

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11:30		Cutting and Packing Heuristic Algorithms for 2D And 3D Packing Problem <i>Shinji Imahori</i>				Simulation Proposing SADES <i>Kathy Kotiadis</i>		Health and Social Care Modelling Demand Forecasting for Endoscopy Services <i>Alison Harper and Nav Mustafee</i>			Data Envelopment Analysis Dominance and Ranking Interval in Parallel Systems <i>Xiyang Lei, Yongjun Li, Alec Morton and Qiang Wu</i>		Data Envelopment Analysis The Efficiency Analysis in the Public Universities <i>Gabriela Vica Olariu and Stelian Brad</i>	Inventory Management Spare Parts Forecasting Models <i>Stella Lazoura, Philip Brabazon, Banafsheh Khosravi, Djamila Ouelhadj, Mike Robinson and Goutham Adithya Veerakumar</i>	Information Systems CST and IS Development <i>Harry Kogetsidis</i>	Behavioural Operational Research Engaging with Behavioural OR <i>Luis Alberto Franco and Raimo Hamalainen</i>		
11:45																		
12:00		Cutting and Packing Multi-Period Irregular BPP with Residual Reuse <i>Ranga Abeysooriya, Julia Bennell and Antonio Martinez-Sykora</i>	Lean Manufacturing Lean Philosophy in Practice. A Nigerian Perspective <i>Ifechukwude Dibia, Nick Bennett and Hom Dhakal</i>	Sustainable Supply Chain Price Dynamics of New and Remanufactured Products <i>Supanan Phantratanamongkol, Luc Muylderma and Gu Pang</i>	Metaheuristics Discussion: Are Metaheuristics OR? <i>Juergen Brancke, Ender Oscan and Andrew Parkes</i> Group Meeting	Simulation How to Implement Collaborative Tour Planning <i>Astrid Klueter and Markus Rabe</i>	Multiple Criteria Decision Analysis Judgments of Importance Revisited <i>Tommi Pajala</i>	Health and Social Care Modelling Forecasting Care Home Demand <i>Colin Stewart and Peter Mannion</i>	Problem Structuring Tracing the History of MS/OR: Themes and Concepts <i>Alberto Paucar-Caceres</i>		Data Envelopment Analysis CCWH Model for Undesirable Output <i>Song Han</i>		Data Envelopment Analysis Data Envelopment Analysis of National Health Care <i>Saba Masood</i>	Inventory Management Spare Parts Inventory Pooling/ Sharing Model <i>Ali Hamdan, Djamila Ouelhadj, Mike Robinson and Goutham Adithya Veerakumar</i>	Information Systems Organizational Enquiry in 21st Century – Exploring <i>Frank Stowell and Penny Hart</i>	Behavioural Operational Research Behaviour Validation in Models <i>Navonil Mustafee and Surajeet Chakravarty</i>	OR and Public Policy The Future of National Infrastructure <i>Scott Thacker and Jim Hall</i>	

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12:30	Lunch (Dennis Sciamia Grd Floor)																		
13:30		Cutting and Packing An Exact Algorithm for Nesting Problems <i>Julia Bennell and Antonio Sykora-Martinez</i>	Lean Manufacturing Lean Implementation: Creating Value Through People <i>Ifechukwude Dibia, Jennifer Lawal and Spencer Onuh</i>	Sustainable Supply Chain KEYNOTE Circular Supply Chains' Design +Management <i>Naoum Tsolakis, Mukesh Kumar and Jagjit Singh Srati</i>	Metaheuristics Optimised Routing for Asvs - An ACO Approach <i>Samuel Andrews and John Shimell</i>		Multiple Criteria Decision Analysis Effects of Information Representation on Decision <i>Aysegul Engin</i>		Problem Structuring Waste Management Combining Methodologies <i>Alberto Paucar-Cáceres, José Luis Zanazzi, Alejandra Castellini, and Daniel Alberto Pontelli</i>	Optimisation Under Uncertainty Facility Delocation Under Uncertainty <i>Diego Ruiz-Hernandez and Nalan Gulpinar</i>	Data Envelopment Analysis KEYNOTE Out-of-Sample Evaluation Framework for DEA <i>Jamal Ouenniche</i>		Third Sector OR:Modelling for a better world Unlocking Business Resources Into Communities <i>Miles Weaver, Kenny Crossan, Steven Paxton and Hock Tan</i>	Inventory Management ADP for Inventory Optimization <i>Christopher Kirkbride</i>	Information Systems KEYNOTE Understanding The Impact of Analytics <i>Yanqing Duan</i>	Behavioural Operational Research Researchio n al Research Threads of Validation <i>Victoria Mabin, John Davies, Sarah Kimani and Maryam Mirzaei</i>	OR and Public Policy Drug Harm Policy <i>Lawrence Phillips</i>		
13:45																			
14:00		Cutting and Packing Routing And Loading <i>Xiang Song, Nasrin Asgari, Dylan Jones and Tim Pigden</i>	Lean Manufacturing Risk Minimisation by Applying Lean Methods in ERF. <i>Chinedu Dibia, Nick Bennet, Hom Dhakal, Sarinova Simandjuntak</i>		Metaheuristics Modification of the ACO for Solving the TSP <i>Lilysuriyazna Binti Raya and Cormac A. Lucas</i>	Simulation Facilitation in the Post-Model Coding Stages <i>Kathy Kotiadis and Antuella A Tako</i>	Multiple Criteria Decision Analysis Defining, Analyzing and Evaluating Coalitions of Projects <i>Alessandra Oppio, Alberto Colomi and Valentina Ferretti</i>	Health and Social Care Modelling Waiting List Management <i>Belinda Spratt and Erhan Kozan</i>	Problem Structuring Citizen Science and Problem Structuring Methods <i>Amanda Gregory</i>	Optimisation Under Uncertainty ARC of Water Supply Allocation Problem <i>Diah Chaerani, Stanley Dewanto, Ahmad Dinu Haq and Eman Lesmana</i>			Third Sector OR:Modelling for a better world Investment Prioritisation Pilot Projects <i>David Collier</i>	Inventory Management Inventory Decisions with Advance Demand <i>Muzaffer Alim</i>	Information Systems Semantic Text Mining Using Domain Ontology <i>Andrew Lee, Han Liu, Sajid Siraj and Mark Xu</i>	Behavioural Operational Research Soft AR <i>Frank Stowell and Shavindrie Cooray</i>	OR and Public Policy Improvement in Passenger Comfort <i>Nomesh Bolia and Hemant Suman</i>		

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14:15											Data Envelopment Analysis Tools for Measuring Efficiency of Decision Making <i>Ali Emrouznejad</i>								
14:30			Lean Manufacturing Manufacturing: Lean Manufacturing Introduction <i>Hom Dhakal, Chinedu Dibia and David Wiltshire</i>	Sustainable Supply Chain Lead Time Paradox in Closed Loop Supply Chains <i>Takamichi Hosoda and Stephen Disney</i>		Simulation FaRe: Facilitated DES Model Coding <i>Nathan Proudlove, Stephan Onggo, , Stefania Bisogno, Armando Calabrese and Nathan Levialdi Ghiron</i>	Multiple Criteria Decision Analysis Stochastic Analysis of Pairwise Comparisons <i>Sajid Siraj, Michele Lundy and Salvatore Greco</i>	Health and Social Care Modelling RTT Waiting Times <i>Tineke Poot</i>	Problem Structuring A Multi-Methodological Systemic Framework <i>Alberto Paucar-Caceres, Priscila Renata Barros Cardoso, Toni Burrowes-Cromwell and Carmen Neyra Belderrain</i>	Optimisation Under Uncertainty Robust News-vendor Games <i>Dung Nguyen and Vinh Doan</i>			Third Sector OR:Modelling for a better world International Student Numbers <i>Paul Randall</i>	Inventory Management Inventories, Taxes, and Brexit <i>Patrick Beullens</i>	Information Systems Segmented Stylometry <i>Michael Mortenson and John Waller</i>	Behavioural Operational Research Service Quality and Customer Satisfaction <i>Golda Komanapalli, Alexander Kofinas and Melinda Halasz</i>	OR and Public Policy Visual Analytics and the Implementation of Policy <i>Katharine Etheridge</i>		
15:00	Refreshments (Dennis Sciama Grd Floor)																		

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15:30		Cutting and Packing The Three-Dimensional Container Loading Problem <i>Xiaozhou Zhao, Tolga Bektas, Julia Bennell and Kath Dowsland</i>	Lean Manufacturing Leaner, Greener and Innovative Manufacturing-Uring <i>Samsad Reza and Dotun Adebanjo</i>	Sustainable Supply Chain TBL Modelling <i>Masoud Fakhimi, Navonil Mustafee and Lampros K. Stergioulas</i>	Metaheuristics Efficiency-Guided Genetic Algorithm for the MKP01 <i>Mohamed Bader-El-Den, Dalila Boughaci and Abdellah Rezoug</i>		Multiple Criteria Decision Analysis IMO-DRSA for Facility Location Problems <i>Salvatore Greco and Maria Barbati</i>	Health and Social Care Modelling ED_reducing pressure_Real_Time Data <i>Navonil Mustafee, John Powell, Susan Martin and Andrew Fordyce</i>	Problem Structuring Can Systems Thinking and 'Soft' OR Support Smes <i>Toni Burrowes-Cromwell, Priscila R. Barros Cardoso, Mischel C. Neyra Belderrai, Alberto Paucar-Caceres</i>	Optimisation Under Uncertainty Capacity Planning for Stem-Cell Donation Centres <i>Elvan Gokalp, Vinh Doan and Nalan Gulpinar</i>	Data Envelopment Analysis Regulation and Efficiency of Indian Cement Firms <i>Sabuj Kumar Mandal</i>		Third Sector OR:Modelling for a better world Making Data Lubricate a Sub-Saharan Hospital <i>Andrew Dobson</i>			Behavioural Operational Research Debiasing Overconfidence <i>Valentina Ferretti and Gilberto Montibeller</i>		
16:00		Cutting and Packing Dynamic Pricing on the Ferry Industry <i>Antonio Martinez-Sykora, Chris Bayliss, Julia Bennell, Christine Currie and Mee Chi So</i>	Lean Manufacturing Physics-Based Trade-Off Curves to Enable SBCE <i>Zehra Canan Araci and Ahmed Al-Ashaab</i>		Metaheuristics A Unified View of Sdmps <i>Aman Soni, Aniko Ekart and Peter Lewis</i>		Multiple Criteria Decision Analysis Portfolio Definition in the Royal Navy <i>Malcolm Cree</i>	Health and Social Care Modelling Sexual Health Service Clinic Location Analysis <i>Marion Penn, Rudabeh Meskarian and Thomas Monks</i>	Problem Structuring PSM, Complexity and Change <i>Richa Joshi and Amanda Gregory</i>	Optimisation Under Uncertainty Price Optimisation of Motor Insurance Products <i>Hazel Davis</i>	Data Envelopment Analysis Electing Efficient Elements in SDNFV Environments <i>Francisco Daladier M. Júnior, Marcelo D. de Melo, Gervasio Eufrazino Teixeira, P. R.Freire Cunha K. Lopes Dias</i>		Third Sector OR:Modelling for a better world Segmentation Analysis in the 3Rd Sector <i>Mark Montana</i>				OR and Public Policy How to Innovatively Design Public Policies? <i>Valentina Ferretti, Irene Pluchinotta and Alexis Tsoukià</i>	

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16:30		Cutting and Packing New Model for 1DCSP With Usable Leftovers <i>Xiang Song, Yaodong Cui, Yan Chen, Yi-Ping Cui</i>	Lean Manufacturing The Application of SBCE <i>Ahmed Al-Ashaab, Najam Beg, Gautam Kumar, Ti Lu and Muhd Ikmal Isyraf Mohd Maulana</i>		Metaheuristics The Need for Whitebox Hyper-Heuristics <i>Jerry Swan, Ender Ozcan and Andrew Parkes</i>		Multiple Criteria Decision Analysis Aggregation in Rough Set Approximation <i>Salem Chakhar</i>	Health and Social Care Modelling How to Support Healthcare Facilities Location Decisions <i>Alessandra Oppio, Stefano Capolongo, M. Dell'Ovo</i>	Problem Structuring Landscaping Change <i>Christine Welch and Tammi Sinha</i>	Optimisation Under Uncertainty Appraising the Effectiveness of Aggregate Product. <i>Aboozar Jamalnia, Dong-Ling Xu and Jian-Bo Yang</i>	Data Envelopment Analysis Applying DEA on Employee Level <i>Manuela Koch-Rogge and Georg Westermann</i>		Third Sector OR:Modelling for a better world Process Management for Continuous Improvement <i>Nicola Drake and Jon Richards</i>					OR and Public Policy Basis for Decision - Then and Now <i>Ian Mitchell</i>	
17:00	<p>Plenary Panel - Behavioural OR: 17:00 - 18:00 (Richmond Building LT) Chaired by Sally Brailsford, University of Southampton</p>																		
18:00	<p>Membership Research Focus Group 18:00 – 19:00 Room DS1.07 This session will provide the forum for an open exchange of views and for sharing ideas on how the Society can best serve members in the future. This will also enable the Society to learn more about what members really want from their relationship with the Society.</p>																		

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08:00	Registration + MAI Reg + Refreshments + Luggage store 08:00 onwards (Dennis Sciamia Grd Floor)																				
08:15	MAI Welcome and Intro. to Speed Networking: 08:15 – 08:30 (Richmond Building LT) OR58 MAI Chair, John Medhurst, Larrainzar Consulting Solutions Ltd																				
08:30	Plenary: 08:30 - 09:30 (Richmond Building LT) - Graham Fletcher, Cubic Transportation Systems Ltd. 'The Changing Face of the Transport Problem'																				
09:30				Infrastructure Agent-Based Network Resilience <i>Andy Chow</i>	Metaheuristics Optimal-Stochastic Annealing <i>Juergen Branke, Robin Ball and Stephan Meisel</i>		Multiple Criteria Decision Analysis Outsourcing, Performance and ANP-BSC Model <i>Gabriella Marcarelli</i>	Health and Social Care Modelling The SIMTEGR8 Project. <i>Marianne Bamkin, Edward Ostler, Zoe Radnor and Stewart Robinson</i>	Problem Structuring An Analytical Approach to Business Modelling <i>Giles Hindle and Richard Vidgen</i>									Behavioural Operational Research Attractiveness of Crowdfunding Projects, <i>S.Chakhar Joe Cox, A.Ishizaka, L.Meech, T.Nguyen A.Thorpe</i>	MAI Speed Networking Speed Networking <i>Louise Maynard-Atem</i> 09:30 to 10:30	Project Management Getting Value from Your Projects the Solent Way. <i>Paul Summers</i>	
10:00				Infrastructure Using Smart Meter Data <i>Andrew Brint and Goudarz Poursharif</i>	Metaheuristics A Heuristic for Districting Problems <i>Maria Barbati and Salem Chakhar</i>		Multiple Criteria Decision Analysis MCDAs Applied to Health Care <i>Annabelle Glaize, Christine Di Martinelly, A. Duenas, I. Fagnot</i>	Health and Social Care Modelling Poverty Concepts in Nurse Rostering <i>Antonios Glampedakis, Dylan Jones and Djamila Ouelhadj</i>			Data Envelopment Analysis Matrix Model for Malmquist DEA <i>Ayhan Gölcükcü, Hasan BAL and Volkan Soner ÖZSOY</i>								Behavioural Operational Research Customer Behaviour and Forecasting <i>Jonathan Malpass</i>		Project Management Learning Beyond the Golden Triangle <i>Sue McClory</i>

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10:30	Refreshments and AC-PRAC BAZAAR (Dennis Sciama Grd Floor) 10:30 – 11:00 Each Poster author will give a 60 second presentation during this coffee break.																MAI Problem Solving Public Policy: Separated by a Common Toolset? <i>Jim Maltby and Rob Solly</i> 10:30 to 12:30	
11:00			Outsourcing & Offshoring A Model for Selecting E-Banking Service Channels <i>Payam hanafizadeh and Ahad Zare Ravasan</i>	Infrastructure Adaptive Planning under Climate Change Uncertainty <i>Kevis Pachos</i>				Health and Social Care Modelling Senior Citizens' Potential Demand for Exercising <i>Jiun-Yu Yu</i>	Game Theory Procurement Auctions with Differentiated Goods <i>Wei-Shiun Chang and Rendy Putra Setyawan</i>	MAI Meet the Editors Meet the Editors Sessions <i>Djamila Ouelhadj</i> 11:00 to 12:30			MAI Opportunities MAI Working with Local Businesses <i>David Brown</i> 11:00 to 12:30		MAI Mentoring Mentoring Sessions <i>Andreas Schaefer and Ramune Sabaniene kiz</i> 11:00 to 12:30		MAI Problem Solving Public Policy: Separated by a Common Toolset? <i>Jim Maltby and Rob Solly</i> 10:30 to 12:30	Project Management KEYNOTE : Can Projects be Made Resilient? <i>Mark Hall</i>
11:15												MAI Practice Pro Bono O.R. Mapping UK Dogs <i>Felicity McLeister and Ian Seath, Improvement Skills Consulting</i> 11:15 to 12:30		MAI Tools The Art of Simulation <i>Edward Ostler and Frances Sneddon</i> 11:15 to 12:30		MAI Techniques Data Visualisation <i>Andrew Wenham, Martyn Hall and Claire Vinent</i> 11:15 to 12:30		

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11:30			Outsourcing & Offshoring A DST-Based Approach for Outsourcing/Offshoring <i>Abdulmateen Taroun and Laila Kasem</i>	Infrastructure Port Resilience <i>Kamal Achuthan</i>			Ethics and Governance in OR Measuring Ethics and Governance <i>Sayara Beg</i>		Game Theory Fair Profit Distribution in Supply Chains <i>Songsong Liu and Papageorgiou</i>									
11:45								Health and Social Care Modelling KEYNOTE The Impact of OR on Health Services <i>Thierry Chausalet</i>										
12:00			Outsourcing & Offshoring Outsourcing Relationship Evolution <i>Paul Lyons and Louis Brennan</i>				Ethics and Governance in OR Analyses and Consequences <i>Emmanuel Lazaridis</i>		Game Theory Fairness and Project Supply Chain Coordination <i>Niladri Palit, Andrew Brint and Alok Choudhary</i>									Project Management Psas for Mov <i>Gary Bell and Jon Warwick</i>

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15:45																					
16:00	<p>Visit the Exhibitor stands and take a look at the Posters Available all day Dennis Sciamia Grd Floor</p>																				
16:15																					
16:30	<p>AC-PRAC BAZAAR Poster Presentations Each Poster author will give a 60 second presentation Dennis Sciamia Building Grd Floor</p>																				
16:45												MAI Practice Making a Real Difference with OR in Schools Prog. <i>Louise Allison and Charlene Timewell</i> 16.30 to 17.45							MAI Tools Triangle: Planning for Success in Big Data <i>Charlie Fox</i> 16.30 to 17.45		
17:45 To 18:15	<p>Review of MAI Sessions (Dennis Sciamia Grd Floor) Making an Impact drinks reception, kindly sponsored by University of Portsmouth</p>																				

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08:00	Registration/Refreshments/Luggage store 08:00 onwards (Dennis Sciama Grd Floor)																		
09:00		OR Modelling for Humanitarian Ops.Mgmt Why Risk Perception And Safety in RBM <i>Hom Dhakal, Chinedu Dibia, Oluwasoye Mafimisebi, S.Simandjundtak</i>	Outsourc-ing & Offshoring KEYNOTE Outsourcing and Offshoring Strategies <i>Vijay Pereira</i>	OR in Education Applying Theory of Constraints in Higher Education <i>Victoria Mabin, John Davies and Sarah Kimani</i>	Logistics Randomised Simulation Heuristic for IRP <i>Chanicha Moryadee, Djamila Ouelhadj and Graham Wall</i>	Simulation Modelling Metro Capacity <i>Felix Dux</i>	Multiple Criteria Decision Analysis MCDA in the Prioritization of Health Threats <i>Gilberto Montibeller, Victor del Rio Vilas and Pratik Patel</i>	Health and Social Care Modelling Radiology Service Delivery in Ireland <i>Mahmoud Elbattah and Mary Conlon</i>	Problem Structuring Dissent: Let's Agree to Disagree <i>Fred Cameron, Jeffrey Appleget and Geoffrey Pond</i>		Data Envelopment Analysis FDH Super-Efficiency Model <i>Adel Hatamimarbini, Abdullah Aldamak and Saeed Zolfaghari</i>	Renewable Energy and Sustainability Examining the Benefits of Load Shedding Strategies <i>Mel Devine and Valentin Bertsch</i>			Defence and Security KEYNOTE Challenge of Defence Acquisition Growth <i>David Bangert and Neil Davies</i>		OR and Public Policy Natural Gas and Israel's Energy Future <i>Steven Popper</i>	Project Management Flawed Project Definitions: How Your Projects Fail <i>Paul Summers</i>	
09:30		OR Modelling for Humanitarian Ops.Mgmt Why Under Threat <i>Oluwasoye Mafimisebi, Andreas Hoecht and Sara Thorne</i>	Outsourc-ing & Offshoring Of R&D Activities by Mncs <i>Shlomo Yedidia Tarba, Mohammad Faisal Ahammad, Assylbek Nurgabdeshev and Peter Rodgers</i>	OR in Education Full STEAM Ahead for O.R. and Design? <i>Geoff Royston and Alexander Komashie</i>	Logistics Location Routing Problem with a Single Depot <i>Abdullah Almouhanna, Banafsheh Khosravi, Djamila Ouelhadj and Angel A. Juan</i>	Simulation Vehicle Ferry Revenue Management <i>Christine Currie, Christopher Bayliss, Julia Bennell, Antonio Martinez-Sykora and Mee-Chi So</i>	Multiple Criteria Decision Analysis Collaborative Visualization for Joint Decisions <i>Katharina Burger and Leroy White</i>	Health and Social Care Modelling Dissecting The UK Military Medical Chain <i>Laura Brudenell and Anjna Kashyap</i>	Problem Structuring Conflict Analysis and Scenarios in the Military <i>Jan Frelin</i>		Data Envelopment Analysis Restructuring the Higher Education System <i>Pavel Derkachev and Kirill Zinkovsky</i>	Renewable Energy and Sustainability Maintenance Sheduling inoffshore Wind Farms <i>Chandra Irawan, Dylan Jones, D. Ouelhadj Iver, Sperst M. Stålhane</i>			Defence and Security Impact of Decisions in Military Operations <i>Nick Walmsley, Matt Bunn, Jenny Conway, Brian Stewart and Veronica Wardman</i>	Transport and Mobility Reducing Leading Times in Last Mile Distribution <i>Javier Faulin and Adrian Serrano</i>	OR and Public Policy Modelling for Decision Support in UK Energy Policy <i>Chris Dent</i>	Project Management A DST-Based Approach for Project Appraisal <i>Abdulmateen Taroun</i>	

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10:00	Refreshments (Dennis Sciama Grd Floor)																		
10:30	<p align="center">Plenary Debate Session: 10:30 - 11:30 (Richmond Building LT) - 'The Future of OR is Analytics?' Chaired by Tony O'Connor, Department of Health</p> <p align="center">Speakers: Cathal Brugha, Emeritus Professor of Decision Analytics and Adjunct Professor at the School of Business, University College Dublin (UCD) Stewart Robinson, Dean of the School of Business and Economics, Loughborough University and Immediate Past President of The O.R. Society The aim: to open new perspectives on a wide variety of O.R. ideas/concepts and to advance the Operational Research discipline as a whole.</p>																		
11:30		OR Modelling for Humanitarian Ops.Mgmt Why Fukushima? <i>Kazuhiro Seki-Taniguchi</i>	Outsourcing & Offshoring Creating An Ambidextrous Context Through HRM <i>Vijay Pereira, Ashish Malik, Chris Rowley and Paresha Sinha</i>		Logistics KEYNOTE Transforming Your Supply Chain/Excellence <i>Vikram Singla</i>	Simulation A Sim-Optim Model for Robust Stochastic Scheduling <i>Mohanad Al-Behadili</i>	Multiple Criteria Decision Analysis Ahpsort-GAIA : A Visualisation Tool <i>Alessio Ishizaka and Sajid Siraj</i>	Health and Social Care Modelling Increase in BMI <i>Roger Brooks</i>		Analytics 80-20 Rule-Based Multiple Criteria Clustering <i>Salem Chakhar, Tom Baldwin, Nhat Hoang Dau and Djamila Ouelhadj</i>	Data Envelopment Analysis Efficiency in the Turkish Banking Sector <i>Zeynep Kacmaz</i>	Renewable Energy and Sustainability Electricity Security of Supply Risk Analysis <i>Chris Dent</i>	OR Consultancy and Case Studies SD Workforce Modelling at the Cfwi <i>Siôn Cave, Graham Willis and Andrew Woodward</i>		Defence and Security Developing Option Analysis for Law Enforcement <i>Philippa Hiscock, Adam Price and Michael Bagg</i>	Transport and Mobility Trajectory Optimisation of Unmanned Gliders <i>Walton Pereira Coutinho, Maria Battarra and Joerg Fliege</i>			Project Management Critical Chain Project Management <i>Victoria Mabin and Maryam Mirzaei</i>
12:00		OR Modelling for Humanitarian Ops.Mgmt Modelling Learning (and Unlearning) from Failures <i>Ashraf Labib</i>			Logistics An Efficient MIP Model for Pairing Containers <i>Hajem Daham and Xinan Yang</i>	Simulation A Multi-Objective Simulation-Optimisation Model <i>Mohanad AL-Behadili, Dylan Jones, Angel Juan and Djamila Ouelhadj</i>	Multiple Criteria Decision Analysis Solving the Group Sorting Problem with an AHP-Base <i>Francesco Lolli, Rita Gamberini, Alessio Ishizaka and Bianca Rimini</i>	Health and Social Care Modelling BMI and Health Conditions <i>Roger Brooks</i>	Problem Structuring Virtual Personal Assistants in Soft OR <i>Peter Bednar and Peter Imrie</i>	Analytics Quantified Self: Daily Step Counts by Iphone <i>Borislav D Dimitrov and Todor Balabanov</i>	Data Envelopment Analysis Correlation in DEA <i>Ayhan Gölcükcü, Hasan Bal And Esra Öztürk</i>	Renewable Energy and Sustainability Goal Programming Model for Renewable Energy Mix <i>Dylan Jones and Graham Wall</i>	OR Consultancy and Case Studies Falkland Islands Demining <i>Peter Bailey</i>	Forecasting Forecasting with Heterogeneous Agent Models <i>Grzegorz Koloch, Marek Antosiewicz and Bogumił Kamiński</i>	Defence and Security The Statistics of Ballistics <i>Duncan Stewart</i>	Transport and Mobility A Relaxation-Based Algorithm for the P-Centre <i>Becky Callaghan, Gabor Nagy and Said Salh</i>		Project Management Management of Projects in the Creative Industries <i>Rosane Pagano and Garry Blair</i>	

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12:30	Lunch - 45 Minutes (Dennis Sciana Grd Floor)																		
13:15		OR Modelling for Humanitarian Ops.Mgm VRP for Disaster Relief Logistics <i>Kiatkulchai Jitt-Aer, Dylan Jones and Graham Wall</i>		Timetabling and Scheduling Surgical Procedures <i>Rhyd Lewis, Paul Harper, Ahmed Kheiri and Jonathan Thompson</i>	Logistics Ant Colony Algorithm for Convoy Movement Problem <i>Ram Kumar P N and Alan John Maniamkot</i>	Simulation The Stochastic Portfolio Optimization Problem <i>Renatas Kizys, Laura Calvet, Jana Doering, Angels Fito and Angel Juan</i>		Health and Social Care Modelling KEYNOTE Modeling and Simulation of Health Systems <i>Mahmoud Elbattah, Bernard Zeigler, Ernest Carter and Owen Molloy</i>		Analytics Data Visualization at the Ministry of Justice <i>Jonathan Roberts</i>	Data Envelopment Analysis Assessing Public Spending Efficiency <i>António Afonso</i>		OR Consultancy and Case Studies DoE on Train Service Performance <i>Irina Elvin, Christos Papadimitriou, Tim Davis and Marize Fourie</i>	Forecasting KEYNOTE Predicting Customer Lifetime <i>Timo P Kunz</i>	Defence and Security UAS Experiment Data Collection <i>Patrick Driscoll</i>	Transport and Mobility KEYNOTE Developments Green Vehicle Routing Models <i>Richard Eglese</i>	Outsourcing & Offshoring Determinants of Shared Service Centers <i>Philipp Richter and Rolf Brühl</i>		
13:45		OR Modelling for Humanitarian Ops.Mgmt Evidence-Based Hybrid OR Models for Cases of Human <i>Ashraf Labib</i>		Timetabling and Scheduling A BB&R Algorithm for Simple DLBP <i>Jinlin Li, Xiaohong Chen, Caijun Yang and Zhanguo Zhu</i>	Logistics Network Design and Empty Repositioning in Maritime <i>Shahin Gelareh and Rahimeh Neamatian Monemi</i>	Simulation Test-Driven Simulation Modelling <i>Stephan Onggo</i>	Multiple Criteria Decision Analysis Variable Consistency Model of ORSA <i>Salem Chakhar, Salvatore Greco, Alessio Ishizaka and Ashraf Labib</i>	Problem Structuring SSM In Social Inquiry <i>Lynn Day</i>		Data Envelopment Analysis How Revenue Sources Influence the Efficiency <i>Ramon Christen</i>	Renewable Energy and Sustainability Sequential Investment Under Policy Uncertainty <i>Michail Chronopoulos and Lars Sendstad</i>	OR Consultancy and Case Studies Reducing the Mod Civilian Workforce <i>Philip Jones</i>	Defence and Security The Joint Intelligence Model (J2M) <i>Richard Adrian-Harris</i>		Transport and Mobility Enlarging Competitiveness through Horizontal Coop. <i>Elena Pérez-Bernabeu, Javier Faulin, Angel A. Juan and Adrián Serrano</i>	Outsourcing & Offshoring A Methodology to Improve Supply Chain Performance <i>Denis Olmos Sanchez and Jean-Claude Bocquet</i>			

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14:15		OR Modelling for Humanitarian Ops.Mgmt Seasonal Influenza Risk Assessment Salem Chakhar, Omar Boussaid, Djamila Hamdadou, Alessio Ishizaka and Fatima-Zohra Younsi	Outsourcing & Offshoring Power Relations in IT Outsourcing Dr. Sunrita Dhar-Bhattacharjee and Swetketu Patnaik	Timetabling and Scheduling An LB for the Restricted Job Ctv Problem Srirangacharyulu Brundavanam	Logistics Material Handling Improvement in Warehouses Maurizio Faccio, Marco Bortolini, Mauro Gamberi and Francesco Pilati	Simulation Reporting Guidelines for Simulation Models Christine Currie and Tom Monks	Multiple Criteria Decision Analysis Agile Software Requirements Prioritisation Zoe Hoy and Andrew Lee	Health and Social Care Modelling The hospital weekend effect: cost and benefits David Halsall	Problem Structuring Systems Thinking and Projects Paul Summers		Data Envelopment Analysis DEA_ICE model Ezzeddine Mosbah	Renewable Energy and Sustainability Strategic Issues for Marine Renewable Energy Graham Wall and Michel Leseure	OR Consultancy and Case Studies Customer Clustering and Churn Rate Analysis Yu Lin and Sascha Herrmann	Forecasting Boosting Exponential Smoothing Methods Devon Barrow	Defence and Security Modelling the Deployed Military Support Sy Neal Davies, Ian Griffiths and Gordon Squire	Transport and Mobility A Biased Randomised Heuristic for PRPTW Hassana Abdullahi, Dylan Jones, Angel Juan and Djamila Ouelhadj	Outsourcing & Offshoring Paradox of HR Outsourcing Decision Pawan Budhwar, Charmi Patel, and Alissa Witze-mann	
14:45		OR Modelling for Humanitarian Ops.Mgmt Fuzzy MCDM for Risk Evaluation M Reza Abdi, Ashraf Labib and Morteza Yazdani	Outsourcing & Offshoring Advertising Creativity: the Offshoring Phenomenon Pawan Budhwar, Liza Howewalsh and Sarah Turnbull	Timetabling and Scheduling Scheduling of Heterogeneous Parallel Machines Rahimeh Neamatian Monemi, Kassem Danash, Shahin Gelareh and Wissam Khalil		Simulation A Comparison of Modelling Paradigms Matt Gilbert, Simon French and Jim Smith	Multiple Criteria Decision Analysis Structuring Problems for MCDA Valerie Belton, Judit Lienert and Mika Marttunen	Health and Social Care Modelling Addressing Complexity in Simulations Using Paracon Roger Eglin, Peter Bednar and Advait Gandhe	Problem Structuring VSM and SNA for Process of Knowledge Sharing Salimeh Pour Mohammad, Angela Espinosa and Richard Vidgen	Analytics Document Analysis Using Homology N Phillips	Data Envelopment Analysis Benchmarking the Saint-Petersburg Public Hospitals Iurii Fedotov and Kazimir Iablonskii	Renewable Energy and Sustainability KEYNOTE: Keeping Options Open when only one Winner Daniel Ralph and Rutger-Jan Lange	OR Consultancy and Case Studies Systematic Sampling of Border Threats Guy Griffiths	Forecasting The Cost Capability Trade Off Model Nira Chamberlain and Elliot Pinker	Defence and Security AI Algorithms in Wargame Simulation Stephen Lucek	Transport and Mobility Vehicle Routing for Lubricants Tim Pigden		

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15:15	Refreshments - 15 Minutes																	
15:30	Introduced and Chaired by Ruth Kaufman, President of The OR Society Closing Plenary: 15:30 - 16:30 Peter Richtarik, Alan Turing Institute (ATI) - (Richmond Building LT) 'Introduction to Big Data Optimization'																	
16:30 To 16:40	CLOSING SESSION																	