

OR59 Tuesday 12 September 2017

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

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
08:00	Registration/Refreshments/Luggage store: 08:00 onwards (Exhibition Hall, James France building)												
09:00	<p>Welcome: 09:00-09:30 (James France LT CC.00.11)</p> <p>Prof. Chris Linton, Deputy Vice-Chancellor and Provost of Loughborough University</p> <p>Prof. Stewart Robinson, Dean, School of Business & Economics, Loughborough University</p> <p>OR59 Co-Chairs – Prof. Jiyin Liu, Loughborough University and Ms Sayara Beg, Data Sciences Ltd</p>												
09:30	<p>Opening Plenary: 09:30-10:30 (James France LT CC.00.11)</p> <p>Dr. Bill Gerrard – Professor of Business and Sports Analytics at Leeds University Business School</p> <p>‘Winning with Analytics: Using Data Analysis as an Evidence-Based Approach to Decision Making in Elite Sport.’</p>												
10:30	Refreshments: 10:30-11:00 (Exhibition Hall, James France bldg.)												
11:00		Problem Structuring Methods Incorporating Maturana's KeyConcepts into SSM <i>Alberto Paucar-Caceres, Bruno - Jerardino-Wiesenborn</i>	Simulation KEYNOTE: A Model Simulator: Lives of Jay W Forrester <i>David Lane and John Sterman</i>	Data Science & Analytics The Big Data Game! <i>Michael Mortenson and Christian Lerke</i>		MCDA KEYNOTE: Challenges for the Growth of MCDA <i>Lawrence Phillips</i>	Community OR Cornish-Mining Heritage Communities <i>Rebecca Herron</i>				Forecasting Empirical Safety Stocks <i>Patrick Saoud, John Boylan and Nikolaos Kourentzes</i>		
11:30		Problem Structuring Methods Mindfulness and OR <i>Jose-Rodrigo Cordoba-Pachon</i>		Data Science & Analytics Writers' Block: An XCLR-Analysis of Block Chain <i>Ronald Ajoku, Michael Mortenson, Richard Vidgen</i>			Community OR Stalking Cattle in the Meres and Mosses <i>Jane Holland</i>	Ethics & Governance in OR Good Enough for Government Work <i>Ian Mitchell</i>	OR and Strategy Resource Mapping and Integrated Reporting <i>Martin Kunc</i>	Optimisation A Matheuristic Approach for the QMCKSFP <i>Antonino Sgalambro and Anna Melchior</i>	Forecasting Evaluation of Forecasting Platforms <i>Victor Javier del Rio Vilas, David Collier, Lisheng He, Helen Roberts, Xiaoxuan Wang</i>		

OR59 Tuesday 12 September 2017

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

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
12:00			Simulation Conceptual Modelling for Simulation <i>Stewart Robinson</i>	Data Science & Analytics KEYNOTE: Becoming a Certified Analytics Professional (CAP) <i>Michael Mortenson</i>		MCDA Preferences for Fairness In Resource Allocation <i>Nikolaos Argyris, Ozlem Karsu and Alec Morton</i>	Community OR Creating a 'Shared Space' <i>Miles Weaver, Kenny Crossan, Lorna Mccallum, Steven Paxton and Hock Tan</i>	Ethics & Governance in OR KEYNOTE: Will the GDPR Stand in the Way of OR? <i>Armelle Cressent</i>		Optimisation M/G/1 Fault Tolerant Machining System <i>Rakesh Kumar Meena, Madhu Jain and Mayank Singh</i>	Forecasting Aligning Inventory and Financial Decisions <i>Safi Elegbede, Mohammad Ali, Devon Barrow, Kamil Omoteso and Bahman Rostami- Tabar</i>	Health and Social Care Modelling the Hospital Discharge Process <i>David Halsall and Jonathan Pearson</i>	
12:30		Problem Structuring Methods The Risk System- icity Question- naire <i>Susan Howick, Colin Eden and Igor Pyrko</i>	Simulation Can We Learn from Wrong Models? <i>Naoum Tsiptsias, Stewart Robinson and Antuela Tako</i>			MCDA Multi Criteria Decision Analysis in Action <i>Kevin McCrossan, Valentina Ferretti, Oliver F. Sabga, CJ Sabga and Colin Sabga</i>	Community OR Research- ing Territorial Capital Accumul- ation <i>Eliseo Vilalta- Perdomo</i>		OR and Strategy Dynamic Model of Inter-Firm Strategic Interaction <i>Duncan Robertson</i>	Optimisation Semi- Supervised SAT Algorithm- Portfolio <i>Riccardo Volpato and Alexandre Martin</i>	Forecasting Fore- casting Product Returns on Policy and Cost <i>Chee Khian Sim</i>	Health and Social Care Assess the Financial Impact on Patients with Ltcs <i>Stephen Foggo and James Sheffield</i>	
13:00	Lunch: 13:00-14:00 (Exhibition Hall, James France bldg.)												

OR59 Tuesday 12 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed in order of Presenter first and then alphabetically).

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
14:00		Problem Structuring Methods Problem Structuring and the Founders of OR Robert Dyson and Frances O'Brien	Simulation OSCAM: Simulating US Navy's Platform O&S Costs Emma Woodham	Data Science & Analytics The Impact of Blockchain on the Sharing Economy Wladimir Kossov and James Pennington		MCDA VFT-MAVT Intervention for Children Selection Gabriella Csányi and Valentina Ferretti	Community OR Support Communities to Become 'Great' Again? Martha Vahl	Ethics & Governance in OR An Historical Review of Ethics in OR Giles Hindle and Richard Vidgen	OR and Strategy Optimal Prices for Small Sized Poultry Farmers Hidefumi Kawakatsu, Kosuke Kato and Dong Li	Optimisation KEYNOTE: Pattern Count in the Cutting Stock Problem Constantine Goulimis and Alfredo Olivera	Behavioural OR KEYNOTE: Statistics in Behavioural OR Konstantinos Katsikopoulos	Simulation Short-Term Hospital Bed Modelling Edward Ostler	
14:30		Problem Structuring Methods Use of PSMs - Evidence From JORS Harry Kogetsidis	Simulation Strategic Options for the North Sea Oil Industry Mirek Gliniecki	Data Science & Analytics Efficient Information Collection on Portfolios Michael Pearce and Juergen Branke		MCDA An Integrated Framework for Spatial Risk Analysis Valentina Ferretti and Gilberto Montibeller	Community OR Paradoxical Methods Gerard de Zeeuw	Transport & Mobility/ Routing Applications Job Insertion Algorithms Yi Qu	OR and Strategy Impact of Floods on Telecommunications Zirui Feng, Jon Malpass, Grammatoula Papaiouannou and Rupal Rana				Simulation Simulating the Wessex Neonatal Network Marion Penn, Thomas Monks, Kujan Paramantham and Roxanne Peach
15:00		Problem Structuring Methods ebSID - Evidence-Based Systems Inquiry and Design Richard Vidgen and Lucy Kimbell	Simulation Enhancing The Integration of SD and AB Modelling Rossen Kazakov, Susan Howick and Alec Morton	Data Science & Analytics Fitting the Bartlett-Lewis Model Using ABC Owen Jones and Nanda Aryal	Data Envelopment Analysis Total Productivity Growth Ahmad H. Battal Subhi A. Jarwaan, and Aysar Y. Fahad	MCDA Maps and Risk Perception Ruel Dsouza And Valentina Ferretti	Airport Operations Management The Airport's Noise: Modelling A Fair Distribution Paul Chatelain	Transport & Mobility/ Routing Applications Ethical Decision Maker for Controlled Collisions James Pickering and Keith Burnham	OR and Strategy Uptime-Guarantee Contracts Behzad Hezarkhani and Mahesh Nagarajan	Optimisation Replenishment Policy for Perishables Harshal Lowalekar	Behavioural OR Physics, Foibles and Failings David Lane	Simulation Multi-department Simulation in Hospitals Guillaume Lame	

OR59 Tuesday 12 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed in order of Presenter first and then alphabetically).

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
15:30		Problem Structuring Methods Integrating Systemic Methodologies <i>Mischel Carmen Neyra Belderrain, María Alejandra Castellini, Alberto Paucar-Caceres and Jose Luis Zanazzi</i>	Simulation Complex Events and Feedback in Hybrid Simulations <i>Bernd Wurth, Susan Howick and Niall MacKenzie</i>	Data Science & Analytics Jump-Diffusion Model Where Jumps Follow an AR(2) <i>Daniel Wei-Chung Miao and Xenos Chang-Shuo Lin</i>	Data Envelopment Analysis Input and Output Selection <i>Yongjun Li, Ali Emrouznejad and Xiao Shi</i>		Airport Operations Management Airports Efficiency Over Time: A DEA Analysis <i>Ane Elixabete Ripoll-ZarragaCecilio Mar-Molinero and Fabiola Portillo Pérez deViñaspre</i>	Transport & Mobility/ Routing Applications Delivering on Delivery <i>Stephen Goodman, Paul Hart and Adam West</i>	OR and Strategy Uncertainty in Defence <i>Andrew Hodges and Charlotte Watson</i>	Optimisation Resource Allocation for Simultaneous Disaster <i>Xuan Vinh Doan and Duncan Shaw</i>	Behavioural OR Behavioural Analytics <i>Martin Kunc, Michael Mortenson and Richard Vidgen</i>	Simulation Social Care Facilitated Modelling to Evaluate Care Services <i>Antuela Tako, Anastasia Gogi, Zoe Radnor and Stewart Robinson</i>	
16:00	Refreshments: 16:00-16:30 (Exhibition Hall, James France bldg.)												
16:30		Problem Structuring Methods Cycles of Dominance/ Eclecticism in OR <i>Alberto Paucar-Caceres, Carmen Neyra Belderrain3, Leila buabara</i>	Simulation An Agent-Based Model of Network Relations <i>Duncan Robertson and Leroy White</i>	Data Science & Analytics Data Science Framework <i>Sayara Beg</i>	Data Envelopment Analysis A Formula for Efficiency Based on DEA Scores <i>Christopher Tofallis</i>	MCDA Evaluating Capabilities of Health Systems <i>Gilberto Montibeller, Ashley Carreras, Victor del Rio Vilas and L. Alberto Franco</i>	Airport Operations Management ABM for Resource Allocation in Aircraft <i>GHO Hayat El Asri and Ammar Al Bazi</i>	Sustainable Supply Chain Fuzzy Optimisation of Auditing of Suppliers <i>Dobriša Petrovic, Guven Demirel, Bart MacCarthy and Jiabin Luo</i>	OR and Strategy The Future of the OR & Strategy SIG <i>Martin Kunc and Frances O'Brien</i>		Behavioural OR Nudges for Volunteering <i>Jonathan Malpass and Rafael Cabalero-Saldivar</i>	Simulation Partisim the Journey so Far... <i>Kathy Kotiadis And Antuela Tako</i>	

OR59 Tuesday 12 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed in order of Presenter first and then alphabetically).

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
17:00			Simulation Spatial Transmission Models <i>Duncan Robertson</i>	Data Science & Analytics Analytics Develop- ment Group Dashboard Design <i>Eduardo Rodriguez Gonzales and Michael Mortenson</i>	Data Envelopment Analysis Environment Event Prediction Dashboard <i>Lili Yang, Kamkin Lao and Simon Wong</i>	MCDA Boi with Depend- ency <i>Ellie Hargreaves and Nick Walmsley</i>	Airport Operations Management Overbooking Optimisation of Multi-Leg Flights <i>Emre Uney and Ammar Al-Bazi</i>	Sustainable Supply Chain Business Model for Cloud Manufact- uring <i>Bart MacCarthy, Gongtao Zhang and Kulwant Pawar</i>			Behavioural OR Laying Trainline's Loyalty Track <i>Rebecca Van Roy</i>	Simulation Using Participative Simulation and Modelling <i>Christina Phillips and Konstant- inous Nikolopoulos</i>	
17:30	<p align="center">MEET THE EDITORS: 17:30 – 18:30 - (James France LT CC.00.11)</p> <ul style="list-style-type: none"> • <i>Tom Archibald, University of Edinburgh</i> – Editor of JORS, Journal of the Operational Research Society • <i>Robert Dyson, Emeritus Professor, University of Warwick</i> – Editor of EJOR ,European Journal of Operational Research • <i>Bart Macarthy, University of Nottingham</i> – European Editor of IJPE , International Journal of Production Economics • <i>Graham Rand, Lancaster University</i> – Editor of the OR Society's Impact Magazine • <i>Stewart Robinson, Loughborough University and Past President of the OR Society</i> - Founder and on behalf of the Editors of JoS, Journal of Simulation • <i>Dov Te'eni, Tel Aviv University</i> - Editor in Chief of EJIS the European Journal of Information • <i>Gilberto Montibeller, Loughborough University</i> – Editor of MCDA, Journal of Multi-Criteria Decision Analysis 												

OR59 Wednesday 13 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed order of Presenter first and then alphabetically).

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
10:45		Problem Structuring Methods Evaluation of Analytics and Dashboard in HE <i>Diane Hart</i>		Data Science & Analytics Data Visualisation on Financial Statements <i>Eduardo Contreras Cortes</i>	Metaheuristics Progress in Analysis of the Space of Heuristics <i>Andrew Parkes, Neema Beglou, Andrew Burnett and Ender Özcan</i>	Grand Challenges <i>Miles Weaver, Peter Keen, Ruth Kaufman and Kierann Shah</i>	OR in Asset Management Maintenance Optimization of Wind Energy Farms <i>Mahmoud Shafiee</i>	Information Systems Internet of Things: Technology and Value Added <i>Mahmoud Abdelrahman</i>			Infrastructure Supportability Engineering and OR <i>Matthew Gibbon</i>		OR in Consultancy The benefits of being Small <i>Samantha Mackay</i>
11:15			MAI TOOLS SESSION IBM Watson and its Use by OR <i>Matthew Robinson</i>		Metaheuristics ACO Routing for USV's <i>Samuel Andrews</i>		OR in Asset Management PEM Fuel Cell Performance Prediction <i>Lei Mao and Lisa Jackson</i>	Information Systems lot in Farming Industries <i>Konstantina Spanaki, Masoud Fakhimi Anastasia Anagnostou</i>	Sustainable Supply Chain Where Do the Mussels Come From? <i>Sophie Carr and Peter Keen</i>				OR in Consultancy Art of Simulation and Practical Client Engagement <i>Liam Hastie</i>
11:45					Metaheuristics for Closed-Loop Supply Chains <i>Carla Di Cairano Gilfedder, Pierre Desport, Frederic Lardeux, David Lesaint Anne Liret and Gilbert Owusu</i>				Information Systems New Artificial Intelligence Era and Businesses <i>Cesar Souza and Sergi Pauli</i>	Sustainable Supply Chain Product line design <i>Parisa Bagheri Tookanlou and Hartanto Wijaya Wong</i>		Behavioural OR Decision-making in facilitated meetings <i>Tatiana Gherman</i>	

OR59 Wednesday 13 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed order of Presenter first and then alphabetically).

12:15	Lunch: 12:15-13:00 (Exhibition Hall, James France bldg.)												
13:00	<p>Presidents Medal Presentations: 13:00-15:00 (James France LT CC.00.11)</p> <p>13:00 – ‘The PenCHORD Health Service Modelling Associates Programme’, <i>Martin Pitt and Daniel Chalk on behalf of the PenCHORD team.</i></p> <p>13:30 – ‘WITNESS simulation platform to create a ‘virtual factory’ for Hayward Tyler’s strategic manufacturing operations’ <i>Hara Papachristou for Lanner Group Ltd and Martin Clocherty, Hayward Tyler teams</i></p> <p>14:00 – ‘Improvement of Debt Management processes through better use of Data and Analytics’, <i>Chris Pratt, HMRC and Didier Vila, McKinsey & Co.</i></p> <p>14:30 – ‘The Biggest Optimisation Project in The World’, <i>Keith Still, Manchester Metropolitan University – (via VIDEO + telephone link)</i></p>												
15:15	<p>Refreshments: 15:00-15:15 (Exhibition Hall, James France bldg.)</p> <p>15:10 - Coach departs for the social trip to Bradgate Park and House (birthplace of Lady Jane Grey) – further information to follow</p>												
15:15 To 16:15		Techniques Design Principles for Analytics Projects <i>Joanna Levitt</i>	Personal Development Making a Real Difference with the O.R. in Schools Programme <i>Sophie Parker</i>	Successful O.R. Where the Buck Stops: Meeting the Challenges of Managing O.R. <i>Ms Ruth Kaufman</i>	Techniques Agent-Based Modelling for Strategy and Policy <i>Duncan Robertson</i>	Simulation Workshop Improving Airport Queues: A Live Demo <i>Rekha Parmar</i>	Personal Development Chartered Scientist <i>Agne Sniukstaite</i>				PANEL SESSION		
16:15 To 17:15		Techniques Tutorial on Model Validation <i>Stewart Robinson</i>	Personal Development Data Science Speakers Club: A Toastmasters Demonstration <i>Sayara Beg</i>	Successful O.R. Selling and Marketing OR – How to Make an Impact <i>John Hopes</i>	Techniques Workshop on Causal Mapping <i>Ashley Carreras</i>	Tools Self-service Data Preparation Made Easy <i>Datawatch: Jerome Gransac</i>	Consultancy Workshop: Pro Bono OR Consultancy Tips <i>Jane Parkin and Ian Seath</i>				OR Learning and Development		
18:30	Coaches depart for drinks reception,(kindly sponsored by Loughborough University) and the Gala Dinner, at the National Space Centre												

OR59 Thursday 14 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed in order of Presenter first and then alphabetically).

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
08:30	Registration/Refreshments/Luggage store: 08:30 onwards (Exhibition Hall, James France building)												
09:00	Plenary Session: 09:00-10:00 (James France LT CC.00.11) Ms Sarah Gates, Policy & Governance Advisor, UK Government Digital Service 'Appropriate Use of Data in Government'												
10:00		Third Sector Modelling Changing The World Ruth Kaufman	Simulation Modelling of Resource Starvations Anees Abu-Monshar and Ammar Al-Bazi	Scheduling and Planning Survivable Regenerator Location Problem Yash Aneja			OR in Asset Management Information Support Plan for the 60-Whiskey David Jennings	Information Systems KEYNOTE: Crossing The Analytics Wilderness Eddie Griffiths	OR and Strategy Living (Dynamic) Business Models Kim Warren	Sustainable Supply Chain Recourse Actions within Inventory Systems Daniel Black and Takashi Irohara	Forecasting Call Centre Fore Casting using Temporal Aggregation Devon Barrow, Nikolaos Kourentzes and Bahman Rostami-Tabar	Behavioural OR Designing Product Rollovers Esma Koca, Tommasso Valletti and Wolfram Wiesemann	Health and Social Care KEYNOTE: Healthcare Analytics Korina Katsaliaki and Panagiota Galetsis
10:30		Third Sector Modelling Supporting the Third Sector through Student Projects David Collier	Simulation BPMN for Process Improvement and DES Nathan Proudlove and Stephan Onggo	Scheduling and Planning Truthful Algorithm for Fair Scheduling Ruini Qu and Bo Chen	Transport & Mobility/ Routing Applications Hub Location Problem in Liner Shipping Networks Cihan Butun, Luc Muyldermans, and Sanja Petrovic	MCDA Airports' Inefficiency and Tourism Attractiveness Ane Elixabete Ripoll-Zarraga and Josep Maria Raya Vilchez	OR in Consultancy Improvement Sciences and Circus Skills Geoff Royston		OR and Strategy Linking Business Modelling with OR and Strategy Giles Hindle and Richard Vidgen	Sustainable Supply Chain Information Sharing Among Co-Opeting Scs Daniel Sanchez Loor, Wei-Shiun Chang and Resa C. Nugraha	Forecasting Forecast Quality Improvement with Action Research Christina Phillips and Konstantinos Nikolopoulos	Behavioural OR Employee Engagement Surveys Jonathan Malpass and Matthias Stottmeier	
11:00	Refreshments: 11:00-11:30 (Exhibition Hall, James France bldg.)												

OR59 Thursday 14 September 2017

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

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
11:30		Third Sector Modelling Improving a Charity's Employer Engagement Process Shamim Rahman, Darren Holland, Abdul Khaled And David Millson	Simulation Uncertainty and Performance Based Contracts Partha Priya Datta	Scheduling and Planning Refined Column Generation Approach to Rostering Hanjing Zhang, Lisa Jackson and Antuela Tako	Transport & Mobility/ Routing Applications Environmental Routing Norfaieqah Ahmad, Adolf Acquaye and Said Salhi	MCDA Supporting Decisions in Public Policy Making Irene Pluchinotta, Valentina Ferretti and Alexis Tsoukias	OR in Consultancy OR: Moving from What to How David Halsall	Information Systems Big Data & Analytics in the University Curriculum Thomas Cameron and Crispin Coombs	OR and Strategy Evidence Based Decision Making-Care Homes Sally Fowler-Davis	Sustainable Supply Chain Collaboration in Agricultural Supply Chain Grammatoula Papaioannou, Samir Dani, Stella Despoudi and George Saridakis	Forecasting KEYNOTE: Uncertainty in Predictive Modelling Nikolaos Kourentzes	Behavioural OR Decision Conflict in the News Vendor Game Ilkka Leppänen	Health and Social Care Real Time Data - ED/MIU Waiting Time Navonil Mustafee, Andrew Fordyce and John Powell
12:00		Ethics & Governance in OR Ethics, O.R. and Real Life Ruth Kaufman	Simulation Discrete Event Simulation of Police Custody Heather Callaghan, Sarah Dunnett, Lisa Jackson and Antuela Tako	Scheduling and Planning Container Terminal Operations Under Uncertainty Jiabin Luo and Yue Wu	Transport & Mobility/ Routing Applications Assessing Railway System Vulnerability Maria Paola Scaparra, Annunziata Esposito Amideo and Stefano Starita	MCDA Efficiency Measurement and Enhancement in Schools Tahani Alzkari	OR in Consultancy Organising Consultancy Teams David Collier	Information Systems Internal Model Mark Gregory and Tom McNamara	OR and Strategy Developing Strategy for New Models of Care Kinga Lowrie, Steven Ariss and Sally Fowler-Davis	Sustainable Supply Chain Impacts of 3D Printing Technology on Supply Chain Hui Lu		Behavioural OR Risk Assessment in Police Custody Melanie-Jane Stoneman, Louise Cooke, Sarah Dunnett and Lisa Jackson	Health and Social Care Developing a Sensor Based Home-Care System Luke Power
12:30	Lunch: 12:30-13:15 45 mins (Exhibition Hall, James France bldg.)												

OR59 Thursday 14 September 2017 FULL CONFERENCE PROGRAMME (Please note authors names are listed in order of Presenter first and then alphabetically).

Time	JF LT CC.00.11	JF CC.00.14	JF CC.00.29A	JF CC.01.09	JF CC.01.10	JF CC.01.11	JF D.0.02	JF D.1.02	JF D.1.09	JF D.2.01	JF D.2.02	JF LT CC.00.21	JF LT CC.00.13
13:15		Ethics & Governance in OR KEYNOTE: Ethics for Weapons of Mass Persuasion <i>Ian Randolph</i>	Simulation Exercising Contingency Plans in Government <i>Hubert Barucki</i>	Scheduling and Planning Store Picking Strategies in Omni-Channel Retail <i>Lina Zhang, Bart MacCarthy and Luc Muyldermans</i>	Transport & Mobility/ Routing Applications Small Scale Driving Simulators <i>Ben Waterson, James Baker, Aditya Tafta Nugraha, Chris Osowski and Gary Wills</i>	MCDA AHP Integration with Grey Systems and NS Theory <i>Amin Vafadarn-ikjoo</i>	OR in Consultancy How To Stand Out <i>Katie Gronow</i>	Information Systems Creating Trusted Data For Global Value Chains <i>Donna Champion</i>	OR and Strategy Reorganising Existing Multi-Facility Networks <i>Zati Aqmar Zaharudin, Andrew Brint and Andrea Genovese</i>	Sustainable Supply Chain Incentive in Green Service Logistics <i>Yizi Zhou, Mathias Kern, Anne Liret, Jiyin Liu and Rupal Rana</i>	Forecasting Improving Forecasting <i>Marc Davies, Siwan Mitchelmore and Kostas Nikolopoulos</i>	Behavioural OR Hidden Profile, Need for Closure Agent-Based Model <i>Duncan Robertson and Alberto Franco</i>	Health and Social Care Ward Restructuring <i>Nalan Gulpinar and Sebastian Rachuba</i>
13:45			Simulation Simulating Traffic Flows at the Port of Dover <i>Cliff Preston, Phillip Horne, Jesse O'Hanley and Maria Paola Scaparra</i>		Transport & Mobility/ Routing Applications Putting Intelligence Back into Traffic Lights <i>Ben Waterson, James Baker, Chris Osowski and Gary Wills</i>	MCDA A Mixed-Methodology Decision Aid Approach <i>Shima Ghassemi and Valentina Ferretti</i>	OR in Consultancy Making the Leap – from Employee to Consultant <i>Kevin Sheehy</i>			Sustainable Supply Chain Can Merge-in-Transit be Sustainable? <i>Eliseo Vilalta-Perdomo, Oliverio Cruz-Mejia, Martin Hingley</i>	Forecasting Supply Chain Utility Improvement by Aggregation <i>Bahman Rostami-Tabar and Stephen Disney</i>	Behavioural OR Making OR Practice 'Visible' <i>Luis Alberto Franco and Christian Greiffen Hagen</i>	Health and Social Care Assurance, Trust and Security <i>Penelope Mullen</i>
14:15	Refreshments: 14:15-14:30 (Exhibition Hall, James France bldg.)												
14:30	Plenary Debate Session: 14:30-15:30 (James France LT CC.00.11) 'Data Belongs to the Human Race' Chaired by Prof. Sanja Petrovic, Nottingham University												
To	Speakers: Dr Armelle Cressent, (CIPP/E), PhD researcher at the Ecole des Hautes Etudes en Sciences Sociales (EHESS) in Paris, France.												
Conf	Prof Jacqui Taylor, Co-Founder and CEO of FlyingBinary Ltd.												
End	The aim: to open new perspectives on a wide variety of O.R. ideas/concepts and to advance the O.R. discipline as a whole.												
At													
16:00													