

OR62 Interactive Schedule

PRE DAY				
Programme Time				
10:15 - 12:30	PRO BONO Especially for the Third Sector: Better Insight, Better Decisions, Better Delivery			
13:00 - 15:00	WORAN Women in Leadership in the Operational Research and Analytics Professions Speakers: Frances O'Brien (University of Warwick), Antuela Tako (Loughborough University), WORAN* representatives, Paola Caroll (University College Dublin), and Chair EURO WISDOM Forum			
14:00-16:00	ECR Early Career Researchers Event Speakers: Belen Martin-Barragan (University of Edinburgh), Maria Battara (University of Bath), Duncan Robertson (University of Loughborough), Christine Currie (University of Southampton), Belen Martin-Barragan (University of Edinburgh), Laura McDonnell (UKRI ESRC) and Mark Jenkinson (UKRI EPSRC)			
DAY 1				
Programme Time				
11:00 - 11:15	Opening session			
11:15 - 12:15	Plenary Speaker: Prof Dimitris Bertsimas - Interpretable AI			
12:15 - 13:00	Break			
SESSION 1 13:00 - 14:00	METAHEURISTICS Solving very large vehicle routing problems with the help of machine learning Speaker: Kenneth Sorensen (University of Antwerp) New Metaheuristic Applications Related to Quantum Computing Speaker: Fred Glover (Meta-Analytics, Inc.), Gary Kochenberger (University of Colorado) and Yu Du (University of Colorado)	SYSTEM THINKING On combination and selection: perspectives from machine learning Speakers: Dr Sven Crone (Lancaster University), Dr Nikolaos Kourentzes (Skövde AI Lab, University of Skövde), and Dr Devon Barrow (University of Birmingham)	FORECASTING Critical systems thinking: lessons from the ebola outbreak for the covid-19 pandemic Speakers: Michael C Jackson (University of Hull) and Luis G Sambo (Universidade Nova de Lisboa)	OR IN THE 3RD SECTOR Building back better: charities and the COVID crisis Speaker: Tris Lumley (New Philanthropy Capital) The visibility of data to enable decisions – the 4Is to support Marie Curie Speaker: Steven White (Marie Curie)
14:00 - 14:30	Break			
SESSION 2 14:30 - 15:30	SIMULATION Hyperlocal COVID Simulations: Transmission, Recovery and Redesign Speakers: David Bell (Brunel University London) Simulation modelling in the COVID-19 pandemic Speakers: Antuela Tako (Loughborough University) and Christine Currie (University of Southampton) How can simulation support fast, agile decision making that provides the frontline with answers as they need them, when it can have biggest impact? Speakers: Frances Sneddon (Simul8)	DEA Welcome and introduction to DEA Speaker: Steven White (Marie Curie) DEA in regulation Speakers: Emmanuel Thanassoulis (Aston University) and Srini Parthasarathy (OXERA Consulting LLP) Demo of PIM-DEA software for application in regulation	SUSTAINABLE MARITIME OPERATIONS The Green Yard Scheduler Speakers: Afshin Mansouri (Brunel University London) and Cihan Butun (Brunel University London) Multimodal freight transport planning and prediction Speaker: Stefano Persi (MOAIC FACTOR) Supply chain modelling as a transversal tool Speaker: Ignacio Lacalle (Universitat Politècnica de València)	APPLICATIONS IN STRATEGIC ISSUES Can scenarios be useful in, or to predict, event such as COVID-19? Speaker: George Wright (Strathclyde Business School), James Derbyshire (Middlesex University Business School) and John Morecroft (London Business School)
15:30 - 16:00	VIRTUAL NETWORKING An opportunity to introduce yourselves to fellow delegates in small groups to have a brief chat, exchange information and grow your network			
	Close			
18:00	Pub quiz - Tap into your competitive side so grab a drink and a snack and join us for an evening of fun			

* Subject to change

DAY 2

Programme Time

11:00 - 12:30	<p>PRESIDENT'S MEDAL PRESENTATIONS</p> <p>NHSquicker: Shaping Demand for Urgent Care through Real-Time Data and Digital Nudges Speaker: Nav Mustafee (University of Exeter)</p> <p>Circuit Optimisation with Copperleaf C55 at National Grid Electricity Transmission Speaker: Stephan Sadnicki (Copperleaf)</p> <p>Creating new population movement insight to shape the UK Government's response to the Coronavirus pandemic Speaker: Sam Rose (Dept for Transport)</p>			
12:30 - 13:00	Break			
13:00 - 14:00	<p>Plenary Speaker: Ellen D. Lewis - Inclusive Systemic Evaluation: Deepening Understandings of Engagement and Community</p>			
14:00 - 14:15	Break			
<p>SESSION 3 13:00 - 14:00</p>	<p>BEHAVIORIAL OR</p> <p>The Importance of Human Behaviour in Practice: Insights from the Modelling Cycle Speaker: Sean Manzi (University of Exeter)</p> <p>Developing Problem Structuring Capability: A Practice-Based View Speaker: Katherina Burger (Bristol University)</p> <p>Stakeholder Behaviour in Operational Research: Connecting the Why, Who, and How of Stakeholder Involvement Speaker: Vincent de Gooyert (Radboud University)</p>	<p>SUSTAINABLE DEVELOPMENT GOALS</p> <p>ReliefOpS: Designing a resilient relief supply network for natural disasters in West Java Indonesia using optimisation-via-simulation Speakers: Stephan Onggo (Southampton University) and Christine Currie (Southampton University)</p> <p>Modelling Emergency Medical Services in Indonesia Speakers: Paul Harper (Cardiff University), Sarie Brice (Cardiff University), and Mark Tuson (Cardiff University)</p> <p>RESilient Emergency Preparedness for Natural Disaster Response through Operational Research –RESPOND-OR Speaker: Konstantinos Zografos (University of Lancaster)</p>	<p>ANALYTICS</p> <p>The Analytics behind economic forecast scenarios for Credit Risk Modelling Speaker: Eduardo Contreras (4most, Analytics Network)</p>	<p>LOGISTICS AND TRANSPORTATION</p> <p>Optimization stories in Logistics and Transportation featuring Python Speaker: Joaquim Gromicho (Vrije Universiteit Amsterdam)</p>
15:15 - 15:45	<p>VIRTUAL NETWORKING</p> <p>An opportunity to introduce yourselves to fellow delegates in small groups to have a brief chat, exchange information and grow your network</p>			
Close				

DAY 3

Programme Time

<p>SESSION 4 11:00 - 12:00</p>	<p>HYBRID MODELLING</p> <p>Hybrid Simulation as a Means to Deal with Covid-19 Speaker: Sean Manzi (University of Exeter)</p> <p>How and when to combine system dynamics and agent-based simulation for modelling infectious diseases Speaker: Le Nguyen (University of Strathclyde, Glasgow)</p> <p>A Systematic Literature Review of Hybrid Simulation in the Construction Industry Speaker: Masoud Fakhimi (University of Surrey)</p>	<p>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING</p> <p>Predicting in a crisis: is your algorithm still relevant in a Covid-19 world? Speaker: Dr Anthony Bellotti (University of Nottingham), Shakeel Khan (HMRC)</p>	<p>SOFT OR AND PROBLEM STRUCTURING</p> <p>The practice of SODA methodologies then and now Speakers: Fran Ackermann, Colin Eden, Alberto Paucar-Caceres and Leila Abuabara</p>	<p>INFORMATION SYSTEMS</p> <p>Exploring the impact of digital influencers on businesses Speaker: Elmira Djafarova (Northumbria University)</p>
12:00 - 12:30	Break			
<p>SESSION 5 12:30 - 14:00</p>	<p>STOCHASTIC OPTIMISATION</p> <p>A Stochastic Programming Model for Slot Allocation at Congested Airports Speaker: Jamie Fairbrother (Lancaster University)</p> <p>Speed or Accuracy? Optimal Search with Fast and Slow Speeds Speaker: Jake Clarkson (Lancaster University)</p> <p>Dynamic Allocation With Failure Under Dependent Rewards Speaker: Stephen Ford (Lancaster University)</p>	<p>HEALTHCARE</p> <p>Opportunities for OR and health modelling in a Covid & post-Covid world Speakers: Sally Brailsford (University of Southampton), Stacey Croft (NHS), Peter Lacey (Whole Systems Partnership), Martin Pitt (University of Exeter) and Richard Wood (NHS Bristol)</p>	<p>GRAND CHALLENGES</p> <p>Grand Challenges of the World Speakers: Leonardo Maldonado (CEO, Gulliver), Ana Paula Fonseca (Edinburgh Napier University Business School), Jessica Lobo (Global Goals Programme Manager, UN Global Compact Network UK)</p>	
14:00 - 14:15	Break			
14:15 - 15:15	<p>Plenary Speaker: Patrick Reed - Conflict, Coordination & Control: Do We Understand the Actual Rules Used to Balance Flooding, Energy, and Agricultural Tradeoffs in River Basins?</p>			
15:15	Closing + President's medal award			

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