

Conference Agenda

DAY 1 - TUESDAY, 10 SEPTEMBER

08:00 - 09:00 Registration

09:00 - 09:10 Welcome by Professor Edmund Burke, Vice-Chancellor of Bangor University and The OR Society

09:10 - 10:10 Plenary Speaker Dr Jeroen Mulder - Operations Research Challenges inside Air France-KLM

10:10 - 10:30 Networking Break

10:30 - 12:00 **PARALLEL SESSION 1**

- AI & Machine Learning
- AI & Machine Learning (2)
- Community OR & Third Sector
- Continuous Optimisation
- Health & Social Care
- Project & Risk Management
- Responsible OR and AI - WORKSHOP
- Strategic Decision Making and Policy Making
- Supply Chain and Operations Management
- Systems Thinking
- Transportation

12:00 - 13:00 Lunch

13:00 - 14:00 **PARALLEL SESSION 2**

- AI & Machine Learning (2)
- AI & Machine Learning
- Community OR & Third Sector
- Forecasting
- Health & Social Care
- Hybrid Modelling and Simulation
- Metaheuristics
- Project & Risk Management
- Strategic Decision Making and Policy Making
- Systems Thinking

14:10 - 15:10 **PARALLEL SESSION 3**

- AI & Machine Learning
- Health & Social Care
- Project & Risk management
- Strategic Decision & Policy making

14:10 - 15:10 ECR Workshop

14:10 - 15:10 Exhibitors Demonstration Session

14:10 - 15:10 Midlands Network - OR Awareness Training

15:10 - 15:30 Networking Break

15:30 - 16:30 President's Address, Dr Gilbert Owusu

17:00 - 19:30 Social Trips (meeting point - outside the main entrance of the Main Arts Building at 4:45pm)

20:00 - 21:00 Dinner served at Bar Uno (for delegates staying on site)

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DAY 2 - WEDNESDAY, 11 SEPTEMBER

08:00 - 09:00 WORAN breakfast meeting (LR5)

09:00 - 10:30 **MAKING AN IMPACT (MAI)**

- Bridging the Gap: How to Deliver More Effective Knowledge Exchange Between Academia and Industry
- Grand Challenges and OR: 10 years on
- Doom loops & eco-wars: on the frontiers of systems thinking & practice
- Metaheuristics in Python

09:00 - 11:00 **MAKING AN IMPACT (MAI) 2**

- The Futures of OR

09:00-10:30 **PARALLEL SESSION 4**

- Continuous Optimisation
- Soft OR & Problem Structuring Methods
- Systems Thinking
- Transportation
- Tourism & Hospitality
- KEYNOTE

10:30 - 11:00 Networking Break

11:00 - 12:30 **MAKING AN IMPACT (MAI)**

- Exploring Operations Research with R
- Human Centric Analytics (HCA): A workshop on how to foster the human centred development of analytics that augment human work effectively
- Exploring the perception and practice of integrating qualitative and quantitative methods in OR interventions
- Building the Relevance of OR, and The OR Society, the Future
- Measuring Impact in the Third Sector

11:00 - 12:30 **PARALLEL SESSION 5**

- Continuous Optimisation
- KEYNOTE
- Health & Social Care
- Poster Presentations
- Responsible OR and AI
- Soft OR & Problem Structuring
- Systems Thinking
- Transportation

12:30 - 13:30 Lunch

13:30 - 15:00 **MAKING AN IMPACT (MAI)**

- Using Generative AI in OR Practice
- Simulation powered digital twins: a hands-on tutorial on integrating live data in simulations and maintaining them for operational decision-making
- Systems Thinking for Strategic and Operational Improvement using ProH Modelling
- What should be in the Future OR Toolkit?

13:30 - 15:00 **PARALLEL SESSION 6**

- Combinatorial Optimisation
- Education in OR & Analytics
- Health & Social Care
- Soft OR & Problem Structuring
- Systems Thinking
- KEYNOTE

15:00 - 15:20 Networking Break

15:30 - 16:30 Plenary Speaker Prof. Sanja Petrovic - Can Operational Research improve well-being of healthcare?

16:30 - 17:45 President's medal

19:00 - 20:00 Drinks Reception

20:00 - 23:00 Gala Dinner (at Prichard-Jones Hall, Main Arts Building)

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DAY 3 - THURSDAY, 12 SEPTEMBER

09:00 - 10:30

PARALLEL SESSION 7

- Combinatorial Optimisation
- Digital Twins
- Health & Social Care
- Hybrid Modelling and Simulation
- Optimisation Under Uncertainty
- Project & Risk Management
- Strategic Decision Making and Policy Making
- Supply Chain and Operations Management
- Systems Thinking KEYNOTE
- Tourism and Hospitality

10:30 - 11:00

Networking Break

11:00 - 12:30

PARALLEL SESSION 8

- Combinatorial Optimisation
- Data Envelopment Analysis
- Education in OR & Analytics
- Forecasting
- Health & Social Care
- Responsible OR and AI
- Strategic Decision Making and Policy Making
- Supply Chain and Operations Management
- Systems Thinking
- Tourism & Hospitality
- Transportation

12:30 - 13:30

Lunch

13:30 - 15:00

PARALLEL SESSION 9

- Combinatorial Optimisation
- Data Envelopment Analysis
- Digital Twins
- Forecasting
- Global Challenges
- Health & Social Care
- Responsible OR and AI - KEYNOTE
- Supply Chain and Operations Management
- Systems Thinking
- Systems Thinking WORKSHOP
- Transportation

15:10 - 16:15

Plenary Speaker Professor Michel Gendreau - Stochastic Vehicle Routing: an Overview

16:15 - 16:45

Farewell Tea & Coffee