2023 COPIOR[1] - HORAF[2] Conference Programme

"Responding to Major Disasters: decision informed from the Theory and Practice of Operations/(al) Research"
with all proceeds going towards the relief of sufferers from the devastating Earthquake in Turkey & Syria

9th of September 2023, Zoom link:
https://durhamuniversity.zoom.us/j/99717420927?pwd=VDUvRzFpVllaVGNJRXZOUFlNbDVWdz09

Time	Agenda- 9th of September (12:00-18:00 UK Time)
12:00-12:30	**Introduction & Welcome** **Professor Konstantinos Nikolopoulos, Chair of COPIOR,** Professor of Business Information Systems & Analytics, Durham University Business School, Durham University **Professor Neil Walton**, **COPIOR-NATCOR Liaison,** Professor in Operations Management at Durham University Business School, Durham University **Mr. Nick Harris, HORAF** **Professor Aris Syntetos,** Editor in Chief of the **IMA Journal of Management Mathematics** (Oxford University Press) Distinguished Research Professor, DSV Chair & Cardiff Business School, Cardiff University
12:30-13:00	**Keynote Speaker:** **Professor Sridhar R. Tayur**, **Ford Distinguished Research Chair**; University Professor of Operations Management, Tepper School of Business, **Carnegie Mellon University** *Q-HOPE: Quantum-inspired Algorithm for Humanitarian Operations*

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[1] Committee of Professor in Operational Research
[2] (Heads of OR and Analytics Forum)

13:00-13:30	**Keynote Speaker:** **Professor Dilek Onkal,** Professor of Business Analytics and **Head of the Analytics Subject Group at the Newcastle Business School**, Northumbria University *Scenarios and Judgmental Forecasts as Decision Agility Tools for Humanitarian Crises*
13:30-14:00	**Keynote Speaker:** **Professor Nezih Altay, Professor of Supply Chain Management** and Director of the MS in Supply Chain Management Program, Department of Management & Entrepreneurship, Driehaus College of Business, **DePaul University** *A critical look at the last two decades of disaster operations research*
14:00-14:30	**Keynote Speaker:** **Professor Emel Aktas**, **Professor of Supply Chain Analytics**, Logistics, Procurement and Supply Chain Management, Cranfield School of Management, **Cranfield University** *Search Algorithms for the Aftermath of a Disaster*
14:30-15:00	**Keynote Speaker:** **Professor Sridhar Seshadri**, Alan J. and Joyce D. Baltz Endowed Professor and Professor of Business Administration, University of Illinois at Urbana-Champaign *Learnings from COVID 19: Test-to-Stay (TTS) program to facilitate in-person instruction in K-12 schools during COVID-1'*
15:00-15:30	**Break**

| 15:30-16:30 | **Parallel Sessions**

Session 1: Preparing for Disasters

Elif Yoruk, Adil Baykasoglu: **A closer look of using containers as stocking unites at the pre-disaster stage for quick response after natural disasters**

Shraddha Rana: **Modeling Operational Flow Capacity and Evaluating Disaster Interventions for Fuel Distribution**

Joshua G. Behr: **CIMA (Convergence, Inventory, Matching, and Assignment) platform**

Session Chair: George Karamatzanis |
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| 16:30-17:30 | **Session 2: Responding to Disasters**

Liu Fang: **Virtual Stockpile Pooling and Real-Time Deployment for Efficient Emergency Response**

Peter M. Thompson: **Taking the shortest route to recovery—The application of Euclidean distance in disaster aftermath communications**

Efstathia (Efi) Athinaiou: **Disaster management and the coordinating role of civil protection in Greece**

Session Chair: Vasileios Bougioukos |
| 16:30-17:30 | **Session 3: Post-disaster response and some key considerations regarding safety**

Burak Cavdaroglu: **Post-Disaster Debris Clearance Planning with Dynamic Spanning Trees**

Marcelo Martins Sa: **How can blockchain technology contribute to fighting COVID-19 propagation around the world?**

Hamad Al Thani: **Public Attitudes Towards Safety and Trust in Single Pilot Operations in Commercial Air Travel**

Session Chair: Shujun Xiao |
| 17:30-18:00 | Closing Remarks

Professor Kostas Nikolopoulos |