

Call for Papers

# The 25<sup>th</sup> International Symposium on Logistics (ISL 2021)

*Building Resilience for Supply Chains*

12<sup>th</sup> to 13<sup>th</sup> July 2021



Organized by



<http://www.isl21.org>

## INTERNATIONAL ADVISORY COMMITTEE

Prof. M Abrahamsson, Linköping University, Sweden  
Prof. R Accorsi, University of Bologna, Italy  
Dr J Baalsrud Hauge, BIBA Germany, KTH Sweden  
Prof. R Bai, University of Nottingham, Ningbo, China  
Prof. R Banomyong, Thammasat University, Thailand  
Prof. Emeritus D Bennett, Aston University, UK and Chalmers University of Technology, Sweden  
Prof. M Bourlakis, Cranfield University, UK  
Prof C Chan, RMIT, Australia  
Prof. Y Chang, Korea Aerospace University, South Korea  
Prof. P Childerhouse, Massey University, New Zealand  
Prof. Emeritus M Christopher, Cranfield University, UK  
Dr A Coronado, Royal Holloway U. of London, UK  
Prof. S Dani, Huddersfield University, UK  
Dr Job de Haan, Tilburg University, The Netherlands  
Prof. J Eschenbaecher, Private Hochschule für Wirtschaft & Technik, Oldenburg Germany  
Prof. E Ferrari, University of Bologna, Italy  
Prof. M Francis, Cardiff Metropolitan University, UK  
Prof. B Gammelgaard, Copenhagen Business School, Denmark  
Prof. C Glock, Technische Universität Darmstadt, Germany  
Prof. M Goh, National University of Singapore, Singapore  
Dr S Harding, Birmingham City University, Birmingham, UK  
Dr J Havenga, University of Stellenbosch, South Africa  
Dr F Huq, University of Manchester, UK  
Prof. M Y Jaber, Ryerson University, Canada  
Prof. B Kam, RMIT, Australia  
Prof. Y Karasawa, Seijoh University, Japan  
Prof. O Khan, Royal Holloway, University of London, UK  
Dr P Lai, Chung Ang University, South Korea  
Prof. Emeritus C Lalwani, Hull University, UK  
Prof. T. Lirn, National Taiwan Ocean University, Taiwan

Mr P McCullen, University of Brighton, UK  
Prof. T Masui, Musashi Inst. of Technology, Japan  
Prof. Emeritus M Miyazaki, Tohoku University, Japan  
Prof. M Muffatto, University of Padua, Italy  
Prof. M Naim, Cardiff University, UK  
Prof. M Ohba, Nihon University, Japan  
Dr S O'Reilly, University College Cork, Ireland  
Prof. R Pouraghabagher, CalPoly, USA  
Prof. N Pujawan, Sepuluh Nopember Institute of Technology, Indonesia  
Prof. S Rahman, RMIT University, Australia  
Prof. S Ratchev, University of Nottingham, UK  
Prof. J Schumacher, Fachhochschule Vorarlberg, Austria  
Prof. J Shah, IIMU, Udaipur, India  
Prof. M Singh, Inst. for Supply Chain Innovation, Malaysia  
Prof. N Subramanian, Sussex University, UK  
Prof. M Sugawara, Iwate Prefectural University, Japan  
Assoc. Prof. T Takeno, Iwate Prefectural University, Japan  
Prof. K Tan, University of Nottingham, UK  
Prof. C Tang, UCLA Anderson School, USA  
Prof. K-D Thoben, BIBA, Germany  
Dr N Tipi, Huddersfield University, UK  
Prof. K-m. Tsai, National Kaohsiung University of Science and Technology, Taiwan  
Dr J Vilko, Lappeenranta University of Technology, Finland  
Prof. S. Wagner, Swiss Federal Institute of Technology, Switzerland  
Prof. K Wakabayashi, Nihon University, Japan  
Prof. S Woo, Chung Ang University, South Korea  
Prof. M Yu, Tsinghua University, China  
Prof M Zhang, Queens University Belfast, UK  
Prof. X Zhao, CEIBS, China

## SYMPOSIUM ORGANISATION

### Symposium Co-Chair

**Prof. Kulwant S Pawar**

University of Nottingham, UK  
[Kul.Pawar@nottingham.ac.uk](mailto:Kul.Pawar@nottingham.ac.uk)

### Symposium Co-Chair

**Prof. Suhan Woo**

Chung Ang University, South Korea  
[shwoo@cau.ac.kr](mailto:shwoo@cau.ac.kr)

### Symposium Organising Committee

**Prof. Andrew Potter**

Cardiff University, UK  
[PotterAT@cardiff.ac.uk](mailto:PotterAT@cardiff.ac.uk)

**Prof. Helen Rogers**

Nuremberg Institute of Technology,  
Germany  
[helen.rogers@th-nuernberg.de](mailto:helen.rogers@th-nuernberg.de)

**Dr. Polin Lai**

Chung Ang University, South Korea  
[polin@cau.ac.kr](mailto:polin@cau.ac.kr)

**Dr Christos Braziotis**

University of Nottingham, UK  
[Christos.Braziotis@nottingham.ac.uk](mailto:Christos.Braziotis@nottingham.ac.uk)

**Dr. Abhijeet Ghadge**

Cranfield University, UK  
[Abhijeet.Ghadge@cranfield.ac.uk](mailto:Abhijeet.Ghadge@cranfield.ac.uk)

**Ajeseun Jimo**

University of Nottingham, UK  
[ajeseun.jimo1@nottingham.ac.uk](mailto:ajeseun.jimo1@nottingham.ac.uk)

### Symposium Administration

Please send questions and queries to [ISL21@nottingham.ac.uk](mailto:ISL21@nottingham.ac.uk)

## SCIENTIFIC PROGRAMME AND SYMPOSIUM AIMS

The fundamental goals of good logistics are to manage the movement of materials from the point of acquisition to the point of final consumption, as well as the associated information flows, with a view to providing excellent customer service at a reasonable cost. Achieving these goals requires fast and efficient management of internal and external resources within the context of global supply chain networks. Papers will represent the latest in academic thinking and case examples of successful implementations of ideas, models and concepts. The wider audience will therefore benefit from the knowledge and experience of leading practitioners and academics in this area.

The 25th International Symposium on Logistics aims to provide a forum for discussion between leading academics, researchers and practitioners who specialise in the area of logistics and supply chain management and to promote excellence in this field. The chosen theme for ISL2021 is "**Building Resilience for Supply Chains**". We welcome papers original contributions on the developments in theory and practice in the area of logistics and supply chains. The 25<sup>th</sup> ISL aims to provide a forum for both academics and practitioners to discuss the current and future research in the area of logistics and supply chain management.

## CALL FOR PAPERS

This major event for international scholars in the areas of Logistics, Operations and Supply Chain Management will be largely held online, following the successful symposia held in Würzburg 2019, Bali 2018, Ljubljana 2017, Kaohsiung 2016, Bologna 2015, Ho Chi Minh City 2014, Vienna 2013, Cape Town 2012, Berlin 2011, Kuala Lumpur 2010, Istanbul 2009, Bangkok 2008, Budapest 2007, Beijing 2006, Lisbon 2005, Bangalore 2004, Sevilla 2003, Melbourne 2002, Salzburg 2001, Iwate 2000, Florence 1999, Padua 1997 and Nottingham 1995 and 1993.

## SYMPOSIUM TOPICS

### Contributed papers may deal with, but are not limited to the following:

- Building resilience for supply chains – considering how supply chains can respond to both short and long term changes in the wider market place, including responses following the COVID-19 pandemic.
- Smart logistics and supply chains – covering all aspects of technology, including Industry 4.0, blockchain, e-Business, decision support systems and RFID;
- Supply chain analytics – covering the use of data for decision making, predictive models and supply chain planning as well as performance assessment of existing operations;
- Complexity, risk and uncertainty – providing insights into the challenges posed by these areas, and how managers can effectively mitigate their impacts;
- Customer-supplier relationships – including dyads, triads and supply chain networks, and considering the nature and value of different collaborative relationships within product and service supply chains.
- Globalisation of supply chains – addressing management issues such as offshoring, outsourcing, trade regulations and associated cultural challenges.
- Humanitarian logistics – the requirements for logistics operations in addressing the aid needs of those affected by natural and man-made disasters.
- Logistics network design and management – approaches informing the strategic, tactical and operational decisions relating to logistics networks and their nodes.
- Perishable goods supply chain – tools, techniques, technologies and approaches used for the management of cold chains, including packaging, storage and transport facilities and capabilities.
- Supply chain skills, training and education – addressing industry skills challenge in logistics and supply chain management including training needs and competencies, as well pedagogical and novel approaches to teaching.
- Sustainability in logistics and supply chains – covering environmental/'green' and social aspects, such as reverse logistics or employee welfare, as well as research that considers the 'triple bottom line'.
- Transport and distribution – focusing upon the physical movement of goods, including maritime logistics, multimodal transport and third-party logistics. Including the developments in and adoption of e-transport and distribution modes.

## PAPER SUBMISSIONS

The main focus of the conference will be the presentation of research papers. These presentations will take place online, and participants will have around 10 minutes to present followed a question and answer session. Two types of paper submissions will be considered – working papers and full papers. There will also be the opportunity for all papers to be considered for publication in the International Journal of Logistics Management or Computers and Industrial Engineering.

### Working Papers

These may represent early stage research ideas or initial findings. Only an abstract is needed for review by Monday 15<sup>th</sup> February 2021. If accepted, a Working Paper will be required by Monday 31<sup>st</sup> May 2021. The Working Paper will not be peer reviewed. Format requirements for the abstract are detailed below and Working Papers should follow the same style guide for Full Papers, located on the ISL website. However, Working Papers should only be between 4 and 6 pages long. These Working Papers will be made available to participants but will not be part of the formal proceedings and not have an ISBN number. If you are planning to submit the research to a journal, this would be the best paper submission option.

### Full Papers

The complete paper (including abstract) is submitted by Monday 15<sup>th</sup> February 2021 and will be subjected to a full peer review process. Full papers should be no longer than 8 pages. Format requirements for the abstract are detailed below, and a style guide for the papers can be found on the ISL website. If accepted, authors will be expected to make changes consistent with the reviewers' comments before final submission by Monday 31<sup>st</sup> May 2021. The full paper will be published in the Proceedings of the Conference, which will have an ISBN number and be publicly available. It is expected that the submitted Full Papers would need to be significantly changed for any subsequent journal publication, including in our partner journals.

For both Full Papers and Working Papers, the aim is to provide feedback to authors by Monday 12<sup>th</sup> April 2021.

### Abstract Format

All papers require an abstract, and this should be entered directly into ConfTool. There are five headings which are obligatory (Purpose, Design, Findings, Value and References); the other two (Research implications and Practical implications) may be omitted if they are not applicable to your paper. Abstracts should contain no more than **500** words and reflect the research you intend to present at the conference. Write concisely and clearly.

- **Purpose of this paper:** What are the reason(s) for writing the paper or the aims of the research?
- **Design/methodology/approach:** How are the objectives achieved? Include the main method(s) used for the research. What is the approach to the topic and what is the theoretical or subject scope of the paper?
- **Findings:** What was found in the course of the work? This will refer to analysis, discussion, or results.
- **Value:** What is new/original in the paper? State the value of the paper and to whom.
- **Research limitations/implications (if applicable):** If research is reported on in the paper this section must be completed and should include suggestions for future research and any identified limitations in the research process.

- **Practical implications (if applicable):** What outcomes and implications for practice, applications and consequences are identified? Not all papers will have practical implications but most will. What changes to practice should be made as a result of this research/paper?
- **References:** Please provide THREE relevant references.

### **Paper Format**

Both Full Papers and Working Papers should comply with the style guidelines of the conference and details of these can be found on the website (<http://www.isl21.org>). It is expected that the only changes made to the Full Paper after initial submission will be reflective of feedback received from reviewers. For the initial submission, please ensure that the paper does not contain the authors' details; these can be added once the review process has been completed.

### **Submission Process**

Full Papers and all abstracts should be submitted on-line by the deadline of Monday 15<sup>th</sup> February 2021. Please visit our website at <http://www.isl21.org> and register for full details and instructions. The corresponding author should be the one to upload the documents. If you are unable to use the online system, please contact the Symposium Administration by e-mail: [isl21@nottingham.ac.uk](mailto:isl21@nottingham.ac.uk)

Papers and abstracts will only be accepted for review on the condition that the manuscript has not been copyrighted, published, presented or accepted for presentation at a professional meeting and is not currently under review for presentation at another professional meeting.

Authors must register for, and attend, the Symposium to present the paper if it is accepted.

Publication will take the form of a Booklet of Abstracts, which will contain the abstracts for both Full and Working Papers. The Proceedings and Working Papers will be made available on the website. However, only the Proceedings will continue to retain an ISBN number.

### **OPPORTUNITIES FOR JOURNAL PUBLICATION**

ISL 2021 is once again partnering with the *International Journal of Logistics Management (IJLM)*, building on our long-standing relationship. IJLM aims to provide a platform for new thinking on (new) problems, practices and techniques of logistics and supply chain management as well as facilitating the interchange of information about logistics and supply chain management among business managers and researchers on a world-wide basis. The journal is indexed widely and had an impact factor of 3.289 in 2019. Each year, we aim to publish 3-4 papers in IJLM as a focused cluster of papers based on those presented at ISL. While the final choice of papers rests with the organising committee, you are encouraged to indicate your interest in your paper being published in IJLM when submitting your initial abstract. More information about the journal can be found here: <https://www.emeraldgrouppublishing.com/journal/ijlm>

In addition, ISL 2021 will also be looking to invite papers for a cluster within the journal *Computers and Industrial Engineering (CAIE)*. These papers will tend to adopt a more quantitative approach and therefore align with the overall objectives of this journal. CAIE is aimed at researchers, educators and practitioners of industrial engineering and associated fields. It publishes original contributions on the development of new computerized methodologies for solving industrial engineering problems, as well as the applications of those methodologies to problems of interest in the broad industrial engineering and associated communities. More information about the journal can be found here: <https://www.journals.elsevier.com/computers-and-industrial-engineering/>

Please note that any submissions to our partner journals will be subject to their submission policies and therefore the author(s) need to ensure they are compliant with these, in particular in relation to prior publication.

### **CONFERENCE SCHEDULE**

More details on the schedule for the conference will be published in due course.

### **CENTRE FOR CONCURRENT ENTERPRISE, NOTTINGHAM UNIVERSITY BUSINESS SCHOOL (UK)**

The Centre for Concurrent Enterprise (CCE) is a leading international centre for research in the fields of product/service design, concurrent and virtual enterprising, logistics, supply chain and related subfields (<http://www.nottingham.ac.uk/business>). CCE conducts internationally leading research through collaborative projects, working with leading companies and universities across the globe. The centre has a successful track record of working in many national and international, multi-disciplinary, industrially applied research projects. Topics have ranged from requirements engineering, electronic commerce, assessment and benchmarking for concurrent engineering, collaborative new product development, product-service systems, collaborative innovation, knowledge management, Cloud Manufacturing, modelling and analysis, performance measurement, outsourcing and analysis of logistics and supply chain operations in Europe, India and China. The centre's staff co-organise two annual international conferences, namely ISL and the annual International Conference on Concurrent Enterprising (ICE) and publish proceedings.