

PROGRAMME



21st Cambridge International Manufacturing Symposium | 28-29 September 2017

GLOBALISATION 2.0

Rethinking supply chains in the new technological and political landscape

AGENDA | THURSDAY 28 SEPTEMBER

- 09.00 Registration and refreshments
- 09.30 **Welcome and introduction**
Dr Jagjit Singh Srail, Head, Centre for International Manufacturing, **IfM, University of Cambridge**
- 09.45 **Advanced manufacturing engineering as a competitive differentiator – past, present and future**
Jacob Dirks, Group Vice President, Advanced Manufacturing Engineering, **Grundfos**
- 10.30 Refreshments
- 11.00 **Technological exploitation to business exploration; leveraging disruptors, from technical to customer to political to deliver new business models and supply chain models**
Jonathan Blamey, VP Global Solutions Design, LSHC, **DHL**
- 11.45 **Rejuvenating textile manufacturing in developed economies: a case study from the Alliance Project**
Lorna Fitzsimons, Director, The Alliance Project and Textile Growth Programme, **New Economy**
- 12.30 Lunch and networking
- 13.45 **Sharing what works across worldwide operations through standardizing global operating systems**
Pietro D'Arpa, Director, Supply Chain Europe: Logistics and End-to-End Strategic Planning, **Procter & Gamble**
- 14.30 **The impact of digital technologies on future pharmaceutical supply chains**
Patrick Hyett, Director, IIM Digitisation Lab, **GlaxoSmithKline**
- 15.15 Refreshments
- 15.45 **The future of production - impacts of new production technologies and changing socio-political landscapes**
Helena Leurent, Head of Government Engagement, Member of the Executive Committee, **World Economic Forum**
- 16.30 **GLOBALISATION 2.0 - Discussion and panel session**
Facilitators: Jagjit Singh Srail and Paul Christodoulou
- 17.15 Wrap up and close of session
- 19.00 Symposium Dinner at Magdalen College

AGENDA | FRIDAY 29 SEPTEMBER

- 08.30 Registration and refreshments
- 09.00 **Globalisation in the changing technological and political landscape**
Nitin Joglekar, Dean's Research Fellow / Professor Operations and Technology Management, **Boston University Questro School of Business**
- Global production networks: where next**
Ann Vereecke, Faculty Dean / Professor, Operations and Supply Chain Management, **Vlerick Business School**
- Global perspectives on investment in the digital economy**
James Zhan, Senior Director, Investment and Enterprise Development; and Lead UN **World Investment Report, United Nations Conference for Trade and Development**
- 11.15 Refreshments
- 11.30 **RESEARCH THEMES | SESSION ONE**
- Impact of 4th Industrial Revolution technologies on supply chains
 - Sustainability
 - e-Commerce; debunking the myths of omnichannel last-mile logistics I
- 13.00 Lunch
- 14.00 **RESEARCH THEMES | SESSION TWO**
- Globalisation 2.0 and supply chain transformation
 - Procurement and supply management
 - Digital supply chains I
 - e-Commerce; debunking the myths of omnichannel last-mile logistics II
- 15.30 Refreshments
- 15.45 **RESEARCH THEMES | SESSION THREE**
- International manufacturing networks
 - Digital supply chains II
 - Redistributed manufacturing and lean operations
 - e-Commerce; debunking the myths of omnichannel last-mile logistics III
- 17.00 Close

Impact of 4th industrial revolution technologies on supply chains - World Economic Forum special session (Chairs: Wolfgang Lehmacher and Paul Beecher)

The technologies of the 4th Industrial Revolution (4IR) are changing all parts of the supply chain. The digital age has brought new opportunities, has prepared the ground for new business models, and it has raised consumer expectations with new needs and wants. Personalisation is now possible to an extent never seen before. But how far can/will this go?

Now that we are approaching the possibility of achieving full visibility and traceability across the supply chain, consumers also want to know where things come from (e.g. conflict minerals), how were they manufactured (e.g. working conditions, use of child labour, etc.), and where their orders are (e.g. speed of delivery). 4IR technologies can help to provide the answer, for example through Internet of Things, blockchain, etc., leading to augmented visibility along the chain

However, all these developments and more don't come without risk. Recent cyberattacks, e.g. Petya, have moved these concerns to the top of the CEO risk agenda. What can business, governments, etc., do about it? What are the solutions? How far advanced are they?

Sustainability (Chair: Arsalan Ghani)

Evaluating natural resources scarcity in supply chains: Evolutionary theory perspective

Katya Yatskovskaya

Sustainability impact of Industry 4.0 enabling technologies on logistics management with a focus on freight transportation

Hajar Fatorachian and Hadi Kazemi

Interest, design and assessment of Eco-Industrial parks in China within a circular economy paradigm

Jicheng Xing, Joao Vilas-Boas da Silva and Isabel Duarte de Almeida

e-Commerce; debunking the myths of omnichannel last-mile logistics I (Chair: Stanley Frederick WT Lim)

Myth 1 - Do consumers want instant delivery?

Patrick Gallagher, Chief Executive Officer, CitySprint Group and Santosh Sahu, Chief Executive Officer, LastMileLink Technologies

Myth 2 - Will competition inhibit last-mile delivery?

Nicholas Dunhill, Chief Executive, ParcelSpace

Myth 3 - Do technologies and automation help to reduce labour?

Alex Klim, Head of Business Development & Consulting, Clinical Trials Logistics, Life Sciences, DHL
Jonathan Blamey, Vice President Global Solutions Design, LSHC, DHL

Globalisation 2.0 and supply chain transformation (Chair: Naoum Tsolakis)
Methodological approaches for next generation supply chains Yasmine Sabri, Sudipa Sarker and Seyoum E. Birkie
Exploring transformation archetypes for seafood supply chain: Japanese perspective Koichi Murata
Sales excellence by changeable sales planning process Katharina Adaev, Carsten Kißing and Emilien Collard
Procurement and supply management (Chair: Tomás Harrington)
Performance analysis on electric power supply chain for smart-grid with conventional large scale supplier: An application of inventory control model Tetsuya Sato, Koichi Murata and Hiroshi Katayama
How is net working capital affected in an engineer-to-order business? Helena Garriga and Karol Kaczmarek
A prototype construct for strategic category management in purchasing Harri Lorentz and Jagjit Singh Srui
Digital supply chains I (Chair: Patrick Hennelly)
The Internet of Things' potential to achieve supply chain integration: a case study Susan Wakenshaw, Donato Masi, Rosario Micillo, Janet Godsell and Carsten Maple
International supply chain resilience: a big data perspective Royston Meriton and Gary Graham
Digital open innovation and co-creation in service organisations: enablers and barriers Krista Keränen and Ruusa Ligthart
e-Commerce; debunking the myths of omnichannel last-mile logistics II (Chair: Jagjit Singh Srui)
Myth 4 - Is last-mile delivery only viable in densely populated centres? Jagjit Singh Srui, Head of Centre for International Manufacturing (CIM) and Ettore Settanni, Research Associate at CIM
Myth 5 - Does e-commerce delivery have negative net sustainability impacts? Dhivant Patel, Global eCommerce Supply Chain Manager, Unilever
Product returns in omnichannel retailing: The trade-off between store accessibility and information availability Gaetano Marino, Stanley Frederick WT Lim, Richard Cuthbertson, Wojciech Piotrowicz and Giulio Zotteri
Last-mile supply network configuration in omnichannel retailing: Hypotheses and simulation framework Gendao Li and Stanley Frederick WT Lim

International manufacturing networks (Chair: Mukesh Kumar)

The implication of cyber risk on supply chain risk management and supply chain resilience

Bahohe Hu, Mukesh Kumar, Pichawadee Kittipanya-ngam

Impact of additive manufacturing on supply chain

Harshad Sonar, Sourabh Kulkarni, Vivek Khanzode and Milind Akarte

Supply chain design: From simulation to modelling to real-world autonomous vehicles

Naoum Tsolakis

Digital supply chains II (Chair: Ettore Settanni)

Stimulating Supply Chain Manufacturing Growth: Can policy create supply chains from a void?

Michel Leseure, Dave Cooper and Dawn Robins

Modelling Performance Landscape in Digital Manufacturing

Sourabh Kulkarni, Priyanka Verma and Mukundan R

Consumer-centric food supply chains for healthy nutrition

Foivos Anastasiadis

Redistributed manufacturing and lean operations (Chair: Foivos Anastasiadis)

Lean activity transfer to other industry - Cases of agriculture businesses

Hiroshi Katayama, Koichi Murata, Reakok Hwang

How will big data and the internet of things transform distributed product-service systems in the automotive sector?

Patrick Hennelly, Gary Graham, Laird Burns, Christina Oberg

Exploring actors, coalitions and institutions influences for developing supply network capabilities

Arsalan Ghani

e-Commerce; debunking the myths of omnichannel last-mile logistics III - Discussion panel (Chair: Stanley Frederick WT Lim)

Discussion on industry trends, challenges and exploring future research opportunities

Panel: Dhivant Patel, Alex Klim, Nicholas Dunhill, Gendao Li and Jagjit Singh Srani