09.00  Registration and refreshments

09.30  Welcome and introduction
Dr Jagjit Singh Srai, Head, Centre for International Manufacturing, IfM, University of Cambridge

09.45  Digital Transformation Ford’s Aluminium F150 Truck
John Fleming, Former Executive Vice President Global Manufacturing and Labour Affairs, Ford Motor Company

10.30  Refreshments

11.00  What is beyond Industry 4.0?
Michelle Shi-Verdaasdonk, Vice President, Head of Global Manufacturing, Signify (Formerly known as Philips Lighting)

11.45  Cisco’s supply chain digitized
Edwin de Boer, Senior Director, Supply Chain Operations, Cisco

12.30  Lunch and networking

13.45  Integrated supply chain in the cloud
Alain Leroy, SVP GSC Strategy & Transformation, Global Supply Chain, Schneider Electric

14.30  The importance of supply chain agility to enable business growth
Chris Fielden, Group Supply Chain Director, Innocent

15.15  Refreshments

15.45  Made Smarter - UK’s place in the 4th Industrial Revolution
Juergen Maier, CEO, Siemens UK

16.30  Transforming the development, manufacture and supply of medicines
Jon-Paul Sherlock, Global Technology Strategy Director, AstraZeneca

17.15  Wrap up and close of session

19.00  Symposium Dinner at Christ’s College
08.30  Registration and refreshments

09.00  **Designing and redesigning international manufacturing networks**  
Professor Jan Olhager,  
_Lund University_

**Resource Efficiency in Food Supply Chains – a perspective from the green plains of Punjab**  
Dr Sandeep Kapur,  
_Punjab Agricultural University_

**Work Analytics: the human side of industry 4.0**  
Professor Fabrizio Salvador,  
_IE Business School_

11.15  Refreshments

11.30  **RESEARCH THEMES | SESSION ONE**

Global supply networks  
Automotive track I  
Supply chain transformation enabled by advanced technologies I  
Digital supply chain design, analysis and operation

13.00  Lunch

14.00  **RESEARCH THEMES | SESSION TWO**

Global manufacturing and China track I  
Automotive track II  
Food track  
Sustainability and the circular economy

15.30  Refreshments

15.45  **RESEARCH THEMES | SESSION THREE**

Global manufacturing and China track II  
Global value chain  
Supply chain transformation enabled by advanced technologies II  
Digital supply chain analytics

17.00  Close
## Global supply networks
(Chair: Hiroshi Katayama)

- A study on digital visual management for providing the right transparency against emergencies
  Koichi Murata
- Coopetitive Theory and Standardization: A review on the patent pools and Consortia Literature
  Felix Andres Conde Chaux
- Extension of KPI measures for effective lean management
  Hiroshi Katayama
- The Development Process at The Suppliers End: A systematic literature review
  Rihab Alam, Fahian Huq, Grigory Pishchulov

## Automotive track I
(Chairs: Jagjit Singh Srai, Patrick Hennelly, Gary Graham, Anthony Brown, Laird Burns)

- Autonomous economic agents for low friction, connected travel and supply chain efficiency
  Humayun Sheikh
- Downstream innovations to upstream supply chain implications
  David Wong
- Competitive advantage from unused capacity: Innovating business models to capture uncaptured value
  Ulrich F. Von Tuerckheim

## Supply chain transformation enabled by advanced technologies I
(Chair: Naoum Tsolakis)

- An exploration of blockchain technology in supply chain management
  Alexandre Arnaldo Boschi, Rogério Borin, Julio Cesar Raimundo, Antonio Batocchio
- Cloud-based manufacturing ecosystems: application development for sheet metal industry
  Petri Helo, Yuqiuge Hao
- Exploring social media as a vehicle for knowledge transmission across a horizontal supply chain: a case in insurance
  Susan Grant
- Development of Asian Landbridge from Finland - Current State and Future Prospects
  Olli-Pekka Hilmola, Ville Henttu, Yulia Panova

## Digital supply chain design, analysis and operation
(Chair: Ettore Settanni)

- Exploring trajectories of procurement digitalization in manufacturing firms
  Harri Lorentz, Sini Laari
- Power configurations in digital global supply chains as revealed by upgrading cases
  Afonso Fleury, Luis Oliveira, Maria Tereza Fleury
- Combining field data analysis and simulation to evaluate an alternative Just-In-Time clinical trial supply strategy
  Ettore Settanni, Jagjit Singh Srai, V. Mark Kothapalli
- Global manufacturing firm investments - an explorative study in the Nordic context
  Jussi Heikkilä
### Global manufacturing and China I

**Chair:** Xiaobo Wu

- Comparison Study of Exercise of Dynamic Capabilities vs Ad Hoc Problem Solving: Evidence from Latecomer High-Tech EM-NCs Facing Threats from Intellectual Property
  - Xiaobo Wu, Ziyan Tan, Haoyu Zhang

- How do latecomers from emerging countries seize the window of opportunity: Catch-up evidence from Hikvision
  - Xiaobo Wu, Yanan Fu

- Emergence and Evolution of an Electronics Industrial Cluster - HQB: Inspirations and Learnings from Perspective of Business Ecosystem
  - Jiawei Liu, Yuankun Luo, Yongjiang Shi

- Dynamic Process: International Diversification and Innovation Performance
  - Jian Du, Qiuxia Zheng, Xiaoran Chang

- TMT Compensation Gap, Executive-employee Compensation Gap and Firm Performance
  - Bin Guo, Zhen Wang

### Automotive track II

**Chairs:** Patrick Hennelly, Gary Graham, Anthony Brown, Laird Burns

- The role of remanufacturing in Ford’s supply chain
  - Louise Gouldstone

- The changing role of the actors in the automotive remanufacturing value chain
  - David Fitzsimons

- Innovation and knowledge transfer in the connected and autonomous vehicle sector
  - George Filip

### Food track

**Chair:** Jagjit Singh Srai

- Government-to-Government (G2G) Contracts for India’s Pulses Procurement: Ad-Hoc Bargaining, Long-Term Contracting and Supplier Diversification
  - Nagesh Gavirneni

- Defining user profiles and socially responsible supply chains: a preliminary study based on erg theory
  - Tomás Harrington

- Blockchain for food delivery
  - Dan Bumblauskas

- Agriculture 4.0 as Enabler for Water Stewardship: An Emulation Tool for Drones in Farming Operations
  - Naoum Tsolakis, Dimitrios Bechtsis, Jagjit Singh Srai

### Sustainability and the circular economy

**Chair:** Pavan Manocha

- The new role of procurement in a circular economy system
  - Fabio Pollice, Antonio Batocchio

- Exploring Sustainable Supply Chain Management in Mergers & Acquisitions – How Green is the Deal? target selection considerations within the lithium-ion battery supply chain
  - Pavan Manocha, Jagjit Singh Srai

- Disruptive Technology as a Driver for the Sustainability of Traditional Manufacturing Supply Chains
  - Richard Cinderey

- Action Plan Simulation for Manufacture 2030 bee
  - Simon J.F. Roberts, David Poulter, Allen Shaw, Emma Gollub, Aanand Davé, Mateusz Zalasiewicz, Matthew Freeman
### Global manufacturing and China II

*Chair: Yongjiang Shi*

- **Ecosystem Resource Utilisation: Case Study of Chinese Firms Xiaomi and Smartisan**
  - Frank Chuan Qin, Xianwei Shi, Yongjiang Shi

- **The business side of industrial symbiosis development**
  - Hanmin Huang, Yongjiang Shi

- **An Integrated Model of Knowledge Transfer from Global Flagships to Local Firms in Global Production Networks**
  - Jian Du, Xiaoran Chang, Dong Wu

- **When spatial crowdedness is good: the moderated U-shaped relationship between spatial crowdedness and cluster performance**
  - Bin Guo, Yuhan Jin, Qiang Li

### Global value chain

*Chair: Tomás Harrington*

- **A Study on Global Quality Value Chain organized by Japanese Manufacturers**
  - Masahiro Miyagawa

- **Hybrid perovskite solar cells redefine photovoltaics Global Value Chain**
  - Guendalina Anzolin, Marcello Righetto

- **MES/MOM systems for Manufacturing Networks: An exploratory study from operations in India**
  - Soujanya Mantravadi, Yang Cheng, Charles Møller

- **Start-ups: Integrating product, market and supply chain decisions to build-up market entry capabilities**
  - Luis F. Valente, Ana C. Barros, Catarina Maia, João P. Cunha

- **Blockchain application in supply chain chemical substance reporting**
  - Sukhraj Takhar, Kapila Liyanage

### Supply chain transformation enabled by advanced technologies II

*Chair: Parminder Kaur Aulakh*

- **Application of Analytical Hierarchy Process (AHP) for Comparative Evaluation of API Manufacturing Technologies**
  - Parminder Kaur Aulakh, Ettore Settanni, Jagjit Singh Srai

- **How much visibility has a company over its supply chain? A diagnostic metric to assess supply chain visibility**
  - A Dario Messina, Ana Cristina Barros, António Lucas Soares

- **Optimal Input Combination in Production Competition Considering the Presence of Carbon Market**
  - Ji Hyeok Jeong, Saedaseul Moon, Sang Min Yeo, Deok-Joo Lee, Hiroshi Katayama

- **The role of Collaborative Networks in Product-Service System Business Models for an Advanced Manufacturing Technology SME**
  - João Rodrigues Simões, J. M. Vilas-Boas da Silva, Isabel Duarte de Almeida

### Digital supply chain analytics

*Chair: Ulrich Ferdinand von Tuerckheim*

- **Anarchic Manufacturing & mass customisation: Solving customization and complexity with anarchy**
  - Andrew Ma, Aydin Nassehi, Chris Snider

- **Disrupting industrial systems: A strategic management approach to capturing uncaptured value from unused space capacity**
  - Ulrich Ferdinand von Tuerckheim, Sebastian Macmillan

- **Advanced Analytics in Action: a manufacturing plant cost index for strategic network design**
  - Vasilis Loulos, Dmitry Chernykh, Federico Rios

- **Production Networks Capabilities and Industrial Context: Performance Effects and Interaction**
  - Marian Wenking, Oliver Flaeschner, Thomas Friedli, Torbjørn Netland