Logistics And Supply Chain Management (LSCM) Research Centre

www.sheffield.ac.uk/lscm
The Logistics and Supply Chain Management (LSCM) Research Centre is an international research centre that focuses on research, development and application of leading edge multi-disciplinary work which impacts on logistics and supply chain management, nationally and internationally. We work with various stakeholders including academics, industrialists, businesses and policy makers on R&D, knowledge exchange, consultancy, executive education and training on these important arenas.

“Supply Chain Management is increasingly being recognised as a key differentiator in business competitiveness, providing the opportunity to offer, at the same time, better customer services and greater cost-effectiveness. Understanding and implementing logistics models and services optimised to the specific business requirement is a fundamental requirement of good supply chain design.”

Ian Shellard, Global Physical Logistics Director, Rolls-Royce

“The LSCM is one of the premier consortia in the world in the study of supply chain management. One of its major strengths is its ability to effectively disseminate its cutting edge research findings to both the business world and academic world.”

Richard B. Chase, Justin Dart Professor of Operations Management, University of Southern California, USA.
International Network

The LSCM Research Centre comprises of members and partners institutions/centres/universities/public and private organisations from around the world. The LSCM Research Centre is linked with a core mirror group at the South East European Research Centre (SEERC), 3 consortiums, and 35 international partners.

1. National Research Council, Canada
2. Bentley College, USA
   Business Innovation Research Center (BIRC), USA
   Louisiana State University, USA
   University of Massachusetts, USA
3. University of Sheffield Management School, UK
   Archomai, UK/India
   European Centre for Total Quality Management (ECTQM), Bradford University, UK
   Rolls-Royce, UK
   University of Cranfield, UK
   University of Lancaster, UK
   University of Nottingham, UK
4. Universite Pierre Mendes, France
5. Vanderlande Industries, The Netherlands
6. Institute of Arbeitswirtschaft und Organisation (IAO), Germany
7. SEED-IFC-World Bank, Serbia
8. University of Cyril and Methodius, Macedonia
   GTZ, Macedonia
9. Riinvest, Kosovo
10. University of Chemical Technology and Metallurgy, Bulgaria
11. City College – An Affiliated Institute of The University of Sheffield, Greece
    South East European Research Centre (SEERC), Greece
    Aristotle University of Thessaloniki, Greece
    ELTRUN – Athens University of Economics and Business, Greece
    University of Macedonia, Greece
12. Bahcesehir University, Turkey
    Fatih University, Turkey
    Istanbul Commerce University, Turkey
13. Archomai, UK/India
14. Asian Institute of Technology (ATI), Thailand
15. Fu-Jen Catholic University, Taiwan
    National Chung Hsing University, Taiwan
16. Hong Kong Polytechnic University, Hong Kong
17. University of Monash, Australia
    University of Western Sydney, Australia
Expertise and Interest

The LSCM Research Centre has the following expertise and interests, and they are categorised into various themes:

**Sustainable Supply Chain**
- Eco-logistics
- Industrial eco-systems
- Low carbon and green supply chain
- Operations management
- Reverse logistics
- Sustainable development in supply chain
- Transformational logistics

**Innovative Models and Methods**
- Carbon footprint framework
- Enterprise network management
- OASES methodologies
- Supply chain management methodology
- Supply chain mapping, appraisal and diagnostic
- Supply chain modelling
- Uncertainty modelling and management

**Information Intense Supply Chain**
- Enterprise Resource Planning (ERP)
- E-supply chain (e-commerce, e-business and e-organisation)
- Knowledge management in supply chain
- Extended ERP (ERPII)
- Logistics information systems

**Performance Measurement and Improvement**
- Supply chain accounting
- Performance management of logistics and supply chain

Funding and Sponsorship

The LSCM Research Centre has received grants/sponsorships and involved in projects funded by the following bodies and sources:

**Research Councils and Professional Bodies**
- British Academy
- Chartered Institute of Management Accountants (CIMA)
- Economic and Social Science Research Council (ESRC)
- Engineering and Physical Science Research Council (EPSRC)
- National Science Council (NSC)
- White Rose Consortium

**European Authorities**
- European Commission
- European Regional Development Fund

**Government Bodies**
- Business Link
- Department for Transport
- Foreign and Commonwealth Office
- Ministry of Education and Science, Republic of Macedonia
- Yorkshire Forward

**Private Organisations**
- Boeing Corporation
- London Area Procurement Network (LAPN)
- Rolls-Royce
- Rent-it-systems
Corporate Links

The LSCM Research Centre has very strong links with industries both in manufacturing and service sectors, public and private organisations, SMEs and large scale organisations, and with some established institutes/centres related to this area. Some examples of companies/centres that we have worked with and are working with include:

**Large Organisations**
- Argos
- Boeing Corporation
- British Telecom
- DLA Piper LLP
- EoN
- Ford Motor Co.
- Halfords
- Raytheon
- Rolls-Royce
- SAP
- UK Supermarkets
- Wardell-Armstrong LLP

**Research Centres**
- Advanced Manufacturing Research Centre (AMRC)
- Business Innovation Research Center (BIRC)
- Business Management Industrial Academic (BRIDGE) Cooperation Centre
- Centre for Low Carbon Futures (CLCF)
- Cranfield Centre for Supply Chain Management
- European Center for Total Quality Management (ECTQM)
- Hull Institute of Logistics
- South East European Research Centre (SEERC)
- Stockholm Environment Institute
- Supply Chain Management and Information Systems (SCMIS) Consortium

**SMEs**
- Archomai
- Gripple
- Rent-it-systems
- School Trends
- SEAMS
- Stradia
- Tunewell Transformer Ltd

**Public Services and Government Bodies**
- Barnsley and Rotherham Chamber of Commerce
- Confederation of Indian Industries (CII)
- Department of Business, Innovation and Skills (BIS)
- Department of Energy and Climate Change (DECC)
- Doncaster Chamber of Commerce
- National Development and Reform Commission (NDRC), China
- National Health Services (NHS)
- Royal Mail
- Sheffield Chamber of Commerce
Recent Projects

The LSCM Research Centre has completed many funded projects and each of the projects has produced various output/tool/model/framework/impact/improvement to performance. Various Research Assistances and PhD students were involved in the projects. Examples of the projects include:

1. South East European Logistics and Supply Chain Management challenges and directions
2. Modelling uncertainty in a supply chain
3. Eco-logistics in China
4. Knowledge infusion to inspire supply alliances in Europe
5. Supply chain management methodology for SMEs
6. Reverse logistics
7. Evolution and classification of aerospace supply chain
8. Science park and knowledge supply chain
9. Reference framework for ERP implementation
10. Strategic reference framework for organisational transition in the Internet Cultural Era (ICE)
11. Value stream mapping of construction supply chains
12. Dynamics of supply chain management and information systems adoptions
13. Low carbon and green supply chain
14. Export ready supply chain
15. The role of accounting in the creation and pursuit of innovation in the NHS
16. Enabling supply chain adaptation to climate change and a resource poor future
17. Balanced green supply chain system
18. Performance measurement in supply chain for local authority
19. Optimisation of pricing structure for the utility sector
20. A review of information system in the NHS
21. An business process audit for Royal Mail
Knowledge Exchange, Executive Education, Training and Consultancy

The LSCM Research Centre offers executive education tailored to training and skills need of clients from businesses for both SMEs and large organisations, and for clients in the public and private sectors. The LSCM Research Centre has worked with many high profile clients in various consultancy projects nationally and internationally. Some of the initiatives include:

- Short courses to impact performance improvement and management skills for business leaders
- Workshops and conferences organisations
- Organisational development through intervention and consultancy

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Contact
LSCM Research Centre’s website:
www.sheffield.ac.uk/lscm

General enquiry:
LSCM@sheffield.ac.uk

Directors:
Professor Lenny Koh
Director of LSCM Research Centre
The University of Sheffield
Management School
9 Mappin Street
Sheffield S1 4DT
UK
Tel: 0044 (0) 114 222 3395
Fax: 0044 (0) 114 222 3348
E-mail: S.C.L.Koh@sheffield.ac.uk

Professor John Cullen
Director of LSCM Research Centre
The University of Sheffield
Management School
9 Mappin Street
Sheffield S1 4DT
UK
Tel: 0044 (0) 114 222 3429
Fax: 0044 (0) 114 222 3348
E-mail: john.cullen@sheffield.ac.uk