

International Workshop on Risk Management in Port Operations, Logistics and Supply Chain Security

Friday 29 September 2006

Imperial College London, Centre for Transport Studies,
Skempton Building, South Kensington,
London, SW7 2BU, UK

Sponsored by Lloyd's Register Fairplay

Recent world events have focused attention on security, risk and reliability in supply chains which are having a major impact on the port and logistics industries. This workshop will provide a unique forum to discuss risk management in the context of ports and supply chains that pass through ports. In particular, this event addresses the operational challenges that port, international logistics and supply chain operators face today in view of the new security regulations and the requirements of increased visibility throughout the supply chain.

This event brings together speakers from both industry and academia in Europe, North America, Asia and Australia who have a wealth of experience to share with delegates during the morning plenary sessions and simulate discussion and debate during the afternoon parallel sessions, detailed in the attached programme.

Contact

For more information about the conference, contact the organising committee:
khalid.bichou@imperial.ac.uk at PORTeC, Centre for Transport Studies, Imperial College London,
or
paul.lightburn@lr.org at Lloyd's Register

Exhibitors

PORTeC and CTS, Imperial College London
Lloyd's Register
Lloyd's Register Fairplay
Containerisation International
Cargo Systems International
Lloyd's Register Quality Assurance

Registration

The registration fee is £90 per person and includes coffees and lunch during the conference, and a copy of the conference papers. To register for the conference, please download the following attachment (<http://www.cts.cv.ic.ac.uk/documents/portec/regi.doc>) and follow the instructions.

For more information on registration, or if you experience any difficulties in downloading and/or completing the registration form, please contact Jackie Sime at j.sime@imperial.ac.uk, Tel: +44 (0) 20-7594-6100, Fax: +44 (0) 20-7594-6102.

09:00 – 10:00 Registration and Refreshments

10:00 Welcome, opening and key note address

Key note speaker: Mark Rowbotham, Director, PORTCULLIS ISC, UK

Morning sessions 10.30 – 12.30

Principles of supply chain, door to door processes and the regulatory requirements

Paul Collins, HM Revenue and Customs, UK

Network reliability in shipping and ports

Mike Bell, Professor of Transport Operations, Imperial College London, UK

Management systems, a solution to enhancing supply chain security

Paul Lightburn, Manager Intermodal, Lloyd's Register, UK

Modelling the impact of security on container-port operational efficiency

Khalid Bichou, Researcher & International Ports Consultant, Imperial College London, UK

Trade disruption insurance: an effective form of managing risk management in supply chain security

Risto Talas, Visiting lecturer in Maritime Security, City University, and Export Promoter in UK Trade & Investment

Lunch 12.30 – 1.30 (1 hour)

Workshops and Parallel Tracks 1.30 – 17.00

Refreshments during session (15.00 – 15.30)

Hall 1:

Systems for enhancing port security and operational efficiency

Chair: Andrew Evans, Professor of Transport Risk Management, Imperial College, UK

Planning and implementing RFID technologies to enhance security in port operations

Giovanni Barletta, PhD researcher, Imperial College London, UK

A simulation of port recovery from security incidents

Ghaith Rabadi, Assistant Professor of Systems Engineering, Old Dominion University, USA

Container terminal operations under the influence of shipping alliances

Stefan Voss, Professor of Logistics Operations, University of Hamburg, Germany

Predicting the performance of container port operations using artificial neural networks

Jiyin Liu, Professor of Operations Management, Loughborough University, UK

Port efficiency and the stability of container liner schedules

Kevin Feldman, MSc Graduate and Management Consultant, Imperial College, UK

Hall 2:

Frameworks for managing the security of international trading and supply chain systems

Chair: Captain Andrew Mitchell, Director, Global Marine Associates, UK

Voluntary supply chain security program impacts: An empirical study

Gutierrez Ximena, Research Assistant, IML, Ecole Polytechnique Fédérale de Lausanne, Switzerland

Co-evolution of safety cultures and crisis management capacities in maritime trading systems

Paul Barnes, Senior Lecturer of Risk Management and Security Planning, Queensland University of Technology, Australia

A case study of the development status of the global trade system

Dean Kothmann, Board Member, Innovative Trade Network Electronic, Data Systems, UK

Supply chain security in the drinks industry

Laurence Sherwood, Director of Corporate Security, Diageo plc, UK

A tiered approach to supply chain security

Dan Purtell, President, Supply Chain Security Division, First Advantage Corporation, USA

Hall 3:

Models for analysing risks and policy implications of maritime security

Chair: Martin Cottham, Director Energy and Transportation, Lloyd's Register, UK

Results from a global survey on the implementation costs of the ISPS code

Hassiba Benamaara, Economic Affairs' Officer, UNCTAD, Trade Logistics Division, Switzerland

Maritime container security: a cargo interest perspective

Ken Button, Professor of Public Policy, George Mason University, USA

Security and reliability of the liner container-shipping network: analysis of robustness and policy implications

Panagiotis Angeloudis, PhD Researcher, Imperial College London

The ISPS concerns in view of ICT risk assessment models

Athanasios Pallis, Lecturer in European Port Policy, University of the Aegean, Greece

Strategic Risk Management in Ports

S.N. Srikanth, Senior Associate, Hauers Associates Consultancy, India

Sum up, discussions and closing remarks. 17.00 – 18.00

Conference papers and authors

Authors

Giovanni Barletta and Khalid Bichou (Imperial College London, UK)

Michael G.H Bell, Khalid Bichou and Kevin Feldman (Imperial College, UK)

Mike G.H Bell (Imperial College London, UK)

Hassiba Benamaara (UNCTAD-, Switzerland)

Khalid Bichou (Imperial College London, UK)

Mary R. Brooks (Dalhousie University, Canada) & Kenneth J. Button (George Mason University, USA)

Paul Collin (HM Revenue and Customs, UK)

Dean Kothman (Electronic Data Systems, UK)

Paul Lightburn (Lloyd's Register, UK)

Jiyin Liu (Loughborough University, UK), Richard Linn (Florida International University, USA), Yat-wah Wan (National Dong Hwa University, Taiwan), and Chuquian Zhang (H.K University of Science and Technology, Hong Kong)

Richard Oloruntoba and Paul Barnes (Queensland Uni. of Technology, Australia)

Ghaith Rabadi, Ariel Pinto, Wayne Talley and Jean-Paul Arnaout (Old Dominion University, USA)

A. A. Pallis and M. A. Lambrou (University of the Aegean, Greece)

Angeloudis Panagiotis, Khalid Bichou, Michael G.H. Bell and David Fisk (Imperial College London, UK)

Dan Purtell (First Advantage Corporation, USA)

Laurence Sherwood (Diageo, UK)

S.N. Srikanth (Hauers Associates, India)

Risto Talas (City University and UK Trade & Investment, UK)

Gutierrez Ximena and Philippe Wieser (IML, Ecole Polytechnique Fédérale de Lausanne, Switzerland)

Stefan Voss (University of Hamburg, Germany)

Papers

Planning and implementing RFID technologies to enhance security in port operations

Port efficiency and the stability of container liner schedules

Network reliability in shipping and ports

Results from a global survey on the implementation costs of the ISPS code

Modelling the impact of security on port operational efficiency & performance benchmarking

Maritime container security: a cargo interest perspective

Principles of supply chain, door to door processes and the regulatory requirements

A case study of the development status of the global trade system

Management systems, a solution to enhancing supply chain security

Predicting the performance of container terminal operations using artificial neural network

Co-evolution of safety cultures & crisis management capacities in maritime trading systems

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Trade disruption insurance: an effective form of managing risk in supply chain security

Voluntary supply chain security impacts: an empirical study with basic member companies

Container terminal operations under the influence of shipping alliances

Papers not presented in the conference

Francis D'Addario, Vice President, Partner & Asset Protection, Starbucks Coffee, USA

Khalid Bichou and Andrew Evans (Imperial College London, UK)

Khalid Bichou (Imperial College London, UK), Kee-hung Lai, Y.H. Venus Lun and T.C. Edwin Cheng (Hong Kong Polytechnic University)

Koi Yu Adolf Ng (Erasmus University Rotterdam)

Continuously Improving Supply Chain Security

Maritime security and regulatory risk-based models: review and critical analysis

A quality management approach to managing maritime security: a case study for implementing the 24-hour rule

The role of ports in enhancing the competitiveness of short sea shipping-included multimodal supply chain in Europe: policy initiatives and challenges ahead