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The 9th International Research Seminar on Supply Chain Risk Management



Participants in the 9th International Research Seminar on Supply Chain Risk Management, hosted by Michael Smith, Western Carolina University, Western North Carolina, USA, October 26–27, 2009.

Seventeen members from six different countries participated in the 9th annual seminar workshops, 12 from northern Europe and the remainder from the US. As in previous years the successful pattern was repeated, with each participant presenting future, current or recently completed research followed by questions, suggestions and observations from colleagues. An analysis of the presentations indicates both diversity (e.g. diverse sectors such as ladies fashions contrasted with oil transportation) as well as commonality (e.g. interest in performance measurement or the contribution generated from computer-based simulation).

Articles, papers and literature

Printed articles

Butner, Karen (2010) "The smarter supply chain of the future". *Strategy & Leadership*. Volume: 38 Issue: 1 Pages: 22-31.

Braunscheidel Michael J; Suresh Nallan C. (2009) "The organizational antecedents of a firm's supply chain agility for risk mitigation and response". *Journal of Operations Management*. Year: 2009 Volume: 27 Issue: 2 Pages: 119.

Cruz, J.M. (2009) "The impact of corporate social responsibility in supply chain management: Multicriteria decision-making approach". *Decision Support Systems*. Volume: 48 Issue: 1 Pages: 224-236.

Haksöz, Çağrı; Ashay Kadam (2009) "Supply Portfolio Risk". *The Journal of Operational Risk*. Volume 4(1), Spring 2009, 59-77.

Jiang Bin; Baker Revenor C; Frazier Gregory V (2009) "An analysis of job dissatisfaction and turnover to reduce global supply chain risk: Evidence from China". *Journal of Operations Management*. Year: 2009 Volume: 27 Issue: 2 Pages: 169.

Khan, O.; Creazza, A (2009) "Developing a Roadmap to the Design Centric Business". *International Journal of Logistics and Physical Distribution Management*. Vol. 39 (4).

Knemeyer A Michael; Zinn Walter; Eroglu Cuneyt (2009) "Proactive planning for catastrophic events in supply chains". *Journal of Operations Management*. Year: 2009 Volume: 27 Issue: 2 Pages: 141.

Lainez, J.M.; Puigjaner, L.; Reklaitis, G.V. (2009) "Financial and financial engineering considerations in supply chain and product development pipeline management". *Computers & Chemical Engineering*. Volume: 33 Issue: 12 Pages: 1999-2011.

Manuj, Ila; Mentzer, John T.; Bowers, Melissa R. (2009) "Improving the rigor of discrete-event simulation in logistics and supply chain research". *International Journal of Physical Distribution & Logistics Management*. Year: 2009 Volume: 39 Issue: 3 Pages: 172-201.

Narasimhan Ram; Talluri Srinivas (2009) "Perspectives on risk management in supply chains". *Journal of Operations Management*. Year: 2009 Volume: 27 Issue: 2 Pages: 114.

Narahariseti, P.K.; Adhitya, A.; Karimi, I.A.; Srinivasan, R. (2009) "From PSE to PSE2-Decision support for resilient enterprises". *Computers & Chemical Engineering*. Volume: 33 Issue: 12 Pages: 1939-1949.

Neige Dina; Rotaru Kristian; Churilov Leonid (2009) "Supply chain risk identification with value-focused process engineering". *Journal of Operations Management*. Year: 2009 Volume: 27 Issue: 2 Pages: 154.

Oehmen, Josef; Arne Ziegenbein; Robert Alard; Paul Schönsleben (2009) "System-oriented supply chain risk management". *Production Planning & Control*. Volume 20, Issue 4 June 2009 , pages 343 – 361.

Pujawan, I. Nyoman; Geraldin, Laudine H. (2009) "House of risk: a model for proactive supply chain risk management". *Business Process Management Journal*. Volume: 15 Issue: 6 Pages: 953-967.

Wagner, Stephan M.; Bode, Christoph; Koziol, Philipp (2009) "Supplier Default Dependencies: Empirical Evidence From the Automotive Industry." *European Journal of Operational Research*, Vol. 199, No. 1, November, pp. 150-161.

Wagner, Stephan M.; Erhun, Feryal; Grosse-Ruyken, Pan Theo (2009) "Dressing For the Weather: Top Supply Chain Challenges Motivate Action". *Industrial Engineer*, Vol. 41, No. 2, February, pp. 29-33.

Wang X.; Li D.; O'Brien C (2009) "Optimisation of traceability and operations planning: an integrated model for perishable food production". *International Journal of Production Research*. Year: 2009 Volume: 47 Issue: 11 Pages: 28-65.

In press

Wagner, Stephan M.; Bode, Christoph; Koziol, Philipp (2009) “Negative Default Dependence in Supplier Networks”. *International Journal of Production Economics*, Vol. 121, (in press)

Zsidisin, George A.; Wagner, Stephan M. (2010) “Do Perceptions Become Reality? The Moderating Role of Supply Risk Resiliency on Disruption Occurrence”. *Journal of Business Logistics*. Vol. 31, No. 2, (in press)

Wagner, Stephan M.; Neshat, Nikrouz (2010) “Assessing the Vulnerability of Supply Chains Using Graph Theory”. *International Journal of Production Economics*. Vol. 124, (in press)

Conference papers

Khan, O.; Creazza, A (2009) “New Look: Aligning Product Design with the Supply Chain for Responsiveness and Resilience”. *Proceedings from 20th Annual Production and Operations Management Society Conference, Orlando, May 1st – 4th.*

Khan, O.; Christopher, M.; Creazza, A (2009) “The Responsive and Resilient Enterprise: Aligning Product Design with the Supply Chain”. *Proceedings from the 16th Annual EurOMA Conference. Goteborg, Sweden, June 14th–17th.*

Wagner, Stephan M.; Mizgier, Kamil J.; Holyst, Janusz A. (2009) “Modeling Defaults of Companies in Multi-Stage Supply Chain Networks”, in: *Abstracts of the 23rd European Conference on Operational Research 2009, Association of European Operational Research Societies (EURO), Bonn, July 2009, (in press)*

Reports and theses

Helen Peck (2009) Business Continuity Management in the Food Service Sector. *Department for Environment Food and Rural Affairs. UK.* randd.defra.gov.uk/Document.aspx?Document=FO0102_8522_FRA.doc

Khan, O.; Creazza, A. (2008) The Impact of Product Design on Supply Chain Risk. *Produced by the Centre for Logistics and Supply Chain Management at Cranfield School of Management., sponsored by The Chartered Institute of Logistics and Transport.*

Urciuoli, Luca (2008) Security in Physical Distribution - Causes, mitigation measures and an investment model. *The Licentiate thesis is available at the home page of Engineering logistics www.tlog.lth.se/visapublication2.asp?type=Licentiatavhandling*

Moder, Marco (2008) Supply Frühwarnsysteme. Die Identifikation und Analyse von Risiken in Einkauf und Supply Management (Supply Early Warning Systems. Identification and analysis of risks in Purchasing and Supply Management). *Gabler, Wiesbaden, ISBN 978-3-8349-1203-9. Doctoral thesis.*

Wels, Andreas (2008) Quantifizierung von Lieferzeitabweichungen zur Unterstützung eines effektiven Supply Chain Risikomanagements (Quantification of lead time deviations to support an effective Supply Chain Risk Management), *Estenfeld, ISBN: 978-3-9809964-9-5 (zugleich Dissertation Technische Universität Dresden, 2008). Doctoral thesis.*

Mullai, Arben (2007) A Risk Analysis Framework for Maritime Transport of Packaged Dangerous Goods – A Validating Demonstration, Volume I and II. *Doctoral thesis. Department of Industrial Management and Logistics, Engineering Logistics, Lund University. Sweden. The thesis can be downloaded from the web page: www.tlog.lth.se/visapublication2.asp?type=Doktorsavhandling*

Paulsson, Ulf (2007) On Managing Disruption Risks in the Supply Chain – the DRISC model. *Doctoral thesis. Department of Industrial Management and Logistics, Engineering Logistics, Lund University. Sweden. The thesis can be downloaded from the web page: www.tlog.lth.se/visapublication2.asp?type=Doktorsavhandling*

Christopher, M.; Jia, F.; Khan, O.; Mena, C.; Palmer, A.; Sandberg, E (2007) Global Sourcing and Logistics. *Report Produced by the Centre for Logistics and Supply Chain Management at Cranfield School of Management on Behalf of the Department for Transport (DfT) Logistics Policy Number – LP 0507*

Special Issues

Printed

International Journal of Risk Assessment and Management (IJRAM). Special issue on “Managing Supply Chain Risks in Disaster“. Guest editors: Dr. Karen Spens and Dr Gyöngyi Kovács, Swedish School of Economics, Helsinki, Finland. Vol. 13, Issue 1, 2009.

International Journal of Risk Assessment and Management. Special issue on “Performance and Risk Measurement: Operations, Logistics and Supply Chains“. Guest Editors: Professors Tapiero & Grando. Vol 9, No 3, 2008.

International Journal of Agile Systems and Management (IJASM). Special issue on “Managing the Uncertainty and Risks in Supply Chains: The Agility Paradigm“. Guest editor: Dr. Samir Dani, Loughborough University, UK. Vol 3, No 3/4, 2008.

International Journal of Operations & Production Management. Special issue on “Supply chain management: Theory and practise - the emergence of an academic discipline?”. Guest Editors: Professor Cousins, Lawson & Squire. Vol 26, No 7, 2006.

International Journal of Physical Distribution & Logistics Management. Two special issues on “Logistics and Supply Chain Risk and Uncertainty“, Vol 34, No 5, 2004, with professor Joseph L. Cavinato as guest editor and Vol 34, No 9, 2004, with professor Jack Barry as guest editor.

In progress

International Journal of Production Economics (IJPE). Special issue on “Robust Supply Chains under Uncertainty“. Guest editors: Stein W: Wallace (The Chinese University of Hong Kong) and Tsan-Ming Choi (The Hong Kong Polytechnic University).

International Journal of Production Research. Special issue on “Creating Resilient SMEs“. Guest editors: Dr. Ran Bhamra and Dr Samir Dani (both at Loughborough University, UK) Deadline for submission 31 July 2009. E-mail to S.Dani@lboro.ac.uk.

Books and book chapters

Wagner, Stephan & Bode, Christoph (eds) (2009) MANAGING RISK AND SECURITY: The Safeguard of Long-Term Success for Logistics Service Providers. *Kuehne Foundation Book Series on Logistics no. 16. Haupt Publisher. Stuttgart. Germany. 220 pages.*

ManMohan S. Sodhi; Chrisopher S. Tang (2009) “Supply Chain Risk Management“. *Article in Encyclopedia of Operations Research and Management Science, Cochran, J., Anthony, L., Keskinocak, P., and Kharoufeh, J., and Smith, J. (Eds.) John Wiley and Sons, Inc, 2010. Book chapter.*

Simon A. Burtonshaw-Gunn (Feb 2009): Risk and Financial Management in Construction. *200 pages Hard-back. ISBN 978-0-566-08897-1. Publisher Gower, UK. Book.*

Coming conferences/workshops

IPSERA 2010. Lappeenranta University of Technology, Lappeenranta, Finland. 16- 19 May 2010.
www.ipsera2010.com

ALIO-INFORMS 2010. Special session titled "Managing Risks in Global Supply Chains" at ALIO-INFORMS Joint International Meeting. Buenos Aires, Argentina. 6-9 June 2010.
meetings2.informs.org/BuenosAires2010

The 10th International Research Seminar on Supply Chain Risk Management. Loughborough University, Loughborough, England, UK. 6 - 7 September 2010. (Open only to ISCRiM members and invited guests)

LRN 2010. University of Leeds, Leeds, UK. 8 – 10 September, 2009.
www.cf.ac.uk/carbs/conferences/lrn09/index.html

Conferences/workshops that have taken place

IPSERA 2009. European Business School, Oestrich-Winkel, Germany. 5-8 April 2009.
www.ipsera2009.com

23rd European Conference on Operational Research 2009. July 2009, Bonn, Germany.
Association of European Operational Research Societies (EURO).
www.euro-2009.de

LRN 2009. Cardiff Business School. Cardiff. 9 – 11 September, 2009.
www.cf.ac.uk/carbs/conferences/lrn09/index.html

The 9th International Research Seminar on Supply Chain Risk Management.
Western Carolina University, Western North Carolina, USA, 26-27 October 2009. (Open only to ISCRiM members and invited guests)

AWARD

Christoph Bode was recognized with a honorable mention in the 2009 Elwood S. Buffa Doctoral Dissertation Competition for his dissertation entitled "Causes and Effects of Supply Chain Disruptions" (Dissertation Advisor: Stephan M. Wagner).

Kaye, David (2008): Managing Risk and Resilience in the Supply Chain. *Published by BSI (British Standard Institute). UK. 272 pages. Book.*

Zsidisin, George & Ritchie, Bob (eds) (2008): SUPPLY CHAIN RISK: A handbook of assessment, management, and performance. *Springer International. 360 pages. Book.*

Moder, Marco, Christopher Jahns and Evi Hartmann (2008): Supply Frühwarnsysteme. Ergebnisse einer Studie zur Identifikation und Analyse von Risiken im Supply Management. (Translation of title: Supply Early Warning Systems. Results of a study on the identification and analysis of risks in Supply Management). *Series Purchasing and Supply Management.*

Simon Burtonshaw-Gunn (2008): "The Essential Management Toolbox". *Includes chapters on Supply Chain Management and on Risk Management. John Wiley and Sons Limited. Jossey-Bass. 378 pages. ISBN: 978-0-470-51837-3*

Burtonshaw-Gunn, S. & Ritchie, B. (2007): "Developments in Construction. Supply Chain Management and the Impact on People and Cultural Change". *A book chapter published in 'People and Culture in Construction' edited by Professor Andy Dainty of Loughborough University. Taylor and Francis. ISBN-13: 978-0415348706. Book chapter.*

Ritter, Barrett & Wilson (2007): Securing Global Transportation Networks. *McGraw-Hill. New York. Book.*

Kersten, W. & Blecker, T. (eds.) (2006): "Managing Risks in Supply Chains: How to Build Reliable Collaboration in Logistics." *Erich Schmidt Verlag, Berlin. Book.*

Wagner, S. M. & Bode, C. (2006): "An Empirical Investigation into Supply Chain Vulnerability Experienced by German Firms", in: Kersten, W. and Blecker, T. (eds.): *Managing Risks in Supply Chains: How to Build Reliable Collaboration in Logistics, Berlin: Erich Schmidt Verlag, pp. 79-96. Book chapter.*

Peck, Helen (2006): "Supply Chain Risk", in *Global Logistics, 5th edition, by D. Walters (ed), Kogan Page, 2006 (forthcoming, Autumn 06). Book chapter.*

Sheffi, Yossi (2005): The Resilient Enterprise – Overcoming Vulnerability for Competitive Advantage. 368 pages. *The MIT Press, London, UK. September 2005. Book.*

Brindley, Claire (editor) (2004): Supply Chain Risk: A Reader. *Ashgate Publishing Limited. UK. August 2004. Book.*

Kleindorfer & Van Wassenhove (2004): Managing Risk in Global Supply Chains. Chapter 12 in; The IN-SEAD-Wharton Alliance on Globalizing. *Cambridge University Press 2004. Book chapter.*

Kajüter, Peter (2003): "Risk Management in Supply Chains". Chapter in part 3; Instruments and Applications, in: Seuring, S Müller, M., Goldbach, M., Schneidewind, U. (eds.) *Strategy and Organization in Supply Chains, Physica, Heidelberg, pp. 321-336. Book chapter.*

In progress

Khan, O. and Zsidisin, G. (eds) Emerging Themes in Supply Chain Risk Management – a Collection of Case Studies and Practices. *J. Ross Publishing Inc., Fort Lauderdale, USA. Deadline for Proposal submissions: 31 August 2009. Full Chapters Due: 31 December 2009. Book.*

Stavros T. Ponis (ed): *Managing Risks in Virtual Enterprise Networks – Implementing Supply Chain Principles.* Publisher: IGI Global. **Book.**

Miscellaneous

Tang, C.; Zimmerman, J.D. (2009) "Managing New Product Development and Supply Chain Risks: The Boeing 787 case". *Supply Chain Forum – an international journal. Volume 10 No. 2 Pages 74-85.*

This article seemed to work well as a follow up supplement to the Harvard Case: 9-305-101 -- Boeing 787: The Dreamliner. Also, it should work well with a Harvard Case written by Raman, Schmidt, and Gaur (9-609-041) -- Airbus A380 -- Turbulence Ahead.

Supply Chain Resilience Report 2009. Business Continuity Institute. 2009. www.thebci.org

Khan, Omera.; Imram Khan; Ron Jarman (2009) "Be Quick or Dead". *Article in Supply Management Magazine published by the Chartered Institute of Purchasing and Supply Volume 14 issue 14 (9th July).*

Milne, Richard (2009): Early warnings in the supply chain. *Financial Times Europe March 24, p. 10. (Partly based on research conducted by Professor Stephen Wagner).*

Christopher S. Tang (2008) "Making Products Safe: Process and Challenges". *International Commerce Review. Volume: 8 No. 1.*

This article is based on interviews with Mattel folks and analysis of the way Mattel handles its toy recalls. It seemed to work well as a follow up supplement to the case written by Hoyt, Lee and Tseng (Stanford case GS63: Unsafe for Children: Mattel's Toy Recalls and Supply Chain Management."

Christopher S. Tang (2008) "Supply Chain Analysis – a Handbook on the Interaction of Information, System and Optimization." *Springer-Verlag New York Inc.*

Khan, O. (2008) New Look – Competing through the Design-Supply Chain Interface. *ECCH Case Study Cranfield School of Management. Ref 608-016-1*

Interesting Internet Links

ALARM www.alarm-uk.org

The National Forum for Risk Management in the Public Sector.

ASIS www.asisonline.org

A 50 year old organisation for the security profession with 33'000 members worldwide.

BCI – The Business Continuity Institute www.thebci.org

The Business Continuity Management Institute www.bem-institute.org/bemi

CAPS – Centre for Advanced Purchasing Studies www.capsresearch.org

Centre for Supply Risk and Resilience at Cranfield

www.wom.cranfield.ac.uk/som/research/centres/lscm/risk.asp

Globalcontinuity.com www.globalcontinuity.com

A portal for business continuity and disaster recovery.

The Institute for Continuity Management www.drii.org

The Institute of Risk Management www.theirm.org

IRMI.com www.irmi.com

The homepage for International Risk Management Institute, Inc.

A database over risk management articles and other useful information.

Jan Husdal www.husdal.com

Many interesting article and book reviews within the field of supply chain risks.

Procurement Strategy Council www.psc.executiveboard.com

Risk Transfer Magazine www.risktransfermagazine.com

Useful links to organisations, conferences, books and articles.

To get full access to the articles you have to subscribe to the Risk Transfer Magazine.

ROSS (Reliability, Safety and Security Studies) www.ntnu.no/ross

Norwegian University of Science and Technology.

SCOR – Supply-Chain Council www.supply-chain.org

SOLE – The International Society of Logistics www.sole.org

SOLEurope – The International Society of Logistics, European partner organisation www.soleurope.org

SURVIVE – The Business Continuity Group www.survive.com

An international, industry-wide group for business continuity practitioners with 3000 members.

Swiss Federal Institute of Technology, Zurich www.ccss.ethz.ch

Competence Center for “Coping with Crises in Socio-Economic Systems”

Wharton School, Risk Management and Decision Process Centre grace.wharton.upenn.edu/risk

Working papers and newsletter to download.

International journals on risks

Enterprise Risk. Informa Professional, London.

International Journal of Business Continuity and Risk Management.
Inderscience.

International Journal of Risk Assessment and Management.
Inderscience.

Journal of Risk and Uncertainty. Kluwer.

Journal of Risk Research. (The official journal of the society for Risk analysis Europe and the Society for Risk Analysis Japan). Carfax Publishing.

Journal of Transportation Security. Springer.

Risk Analysis – an international journal. Blackwell.

Risk Transfer Magazine. Ark-group Publishing. London.
www.risktransfermagazine.com

Risk Transfer E-bulletin. Ark-group Publishing. London. (Free)
www.risktransfermagazine.com/newsletter.asp

Risk Management. Gale Group. Thomson Corporation Company.
Security Management

Strategic Risk www.strategicrisk.co.uk

Treasury & Risk Management

ISCRiM Newsletter

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Old issues

Download old issues from www.tlog.lth.se/forskning/iscriim. There you will also find information about the ISCRiM Network.

ISCRiM – The International Supply Chain Risk Management Network

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www.tlog.lth.se/forskning/iscriim

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