

*The Hong Kong Polytechnic University
Department of Logistics and Maritime Studies
Research Seminar*

Development of Safety Research of Maritime Supply Chains

by

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**Date: 28 November 2016 (Monday)
Time: 10:30am-11:30am
Venue: M107, Li Ka Shing Tower
The Hong Kong Polytechnic University**

(Conducted in English)

Abstract:

Risk research represents an important challenge for the resilience and sustainability of container supply chains (CSCs) due to climate change, terrorism threats and an increasing amount of economic upheaval in the past decade. Its foci are being expanded from classical safety, through security to climate adaptation areas. Addressing risks of different features requires integration across disciplines and across research methodologies. Currently, we lack the critical understanding of which kinds of risk schemes can most effectively harness science and technology for achieving long-term resilient and sustainable CSCs. This work aims at introducing a novel total risk management programme which enables the quantification, integration and communication of risk information from different areas and facilitates the movement of risk culture from a traditional reactive single dimensional scheme towards a new proactive multiple dimensional regime. The work will address the significant methodological issues associated with resilience and sustainability sciences particularly with reference to risk analysis under high uncertainty.

Bio:

Zaili Yang is Professor of Maritime Transport at Liverpool John Moores University (LJMU), UK. Prior to his current appointment, he was Reader in Maritime Transport (2010-2014) and a lecturer in Maritime Operations (2007-2010) at the School of Engineering, Technology and Maritime Operations, LJMU. He received his BEng in Maritime Transportation from Dalian Maritime University, China, in 2001, MSc in International Transport from Cardiff University, UK, in 2003, and PhD in Maritime Safety from LJMU, UK, in 2006.

Prof. Yang's research interests are system safety, security and risk based decision making modelling, especially their applications in marine and supply chain systems. Prof. Yang has conducted more than 20 externally funded projects from the EU, UK EPSRC and UK TSB and DTI to support his research. Research funding support has also been received from government collaborators (i.e. UK MoD and Korean research collaborative funds) via PhD research projects. Prof. Yang has successfully completed 4 postdoctoral and 15 PhD projects. He currently has 2 postdoctoral and 11 PhD students under his supervision in the research areas of maritime safety, logistics operations and port optimisation. His research findings have been published in 150 technical papers in risk and supply chain areas, including 50 SCI/SSCI-cited journal papers. Prof. Yang is a member of editorial boards of seven international journals such as IMA Journal of Management Mathematics and Journal of Traffic and Transportation Engineering and (co)editor of four special issues on journals such as Transportation Research Part D and Part E. He has also served as a member of review boards for national research councils of countries such as UK, Norway, USA and China, etc. He is a Fellow of Institute of Maritime Engineering, Science and Technology (IMarEST) and a Member of International Association of Maritime Economics.

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All are welcome!