

## INTERNATIONAL FORUM ON SHIPPING, PORTS AND AIRPORTS (IFSPA) 2009



Post-Financial Tsunami: The Way Forward for Shipping, Transport and International Trade

## **Conference Proceedings**



24 – 27 May 2009 The Hong Kong Polytechnic University Hong Kong

CONFERENCE ORGANIZERS:









## Contents

Organizing Committee	vi
Conference Sponsors and Partners	vi
List of Paper Reviewers	vi
Papers	
A probe into relevant strategies for railway in developing modern logistics  Yun Bao, Zhaoxia Yang, Haiying Li, Lingyun Meng	1
Airline emission charges: effects on airfares, service quality, and aircraft design  Jan K Brueckner, Anming Zhang	10
Finding reliable shortest paths in stochastic time-dependent road networks for online ATIS applications	
Bi Yu Chen, William H K Lam, Mei Lam Tam, Agachai Sumalee	28
A six sigma based quality improvement framework for Taiwan Taoyuan International Airport	
Chih-Hsien Chen	37
Analysis on port-city growths in China	
Shuk Man Sherman Cheung, Tsz Leung Yip	47
Satisficing strategy in determining port location in Viet Nam	
Ngoc-Hien Do, Quynh-Lam Ngoc Le, Ki-Chan Nam, Kyu-Seok Kwak	54
Analyses of the competitiveness of ports available for the Southwest and their attraction to the land-port in Guizhou	
Qin Fang, Yonglei Jiang, Zhongzhen Yang	62
An airline human factors risk management model: RSF/RIF and score formula based approach	
Triant Flouris, Ayse Kucuk Yilmaz	69
Maritime transport patterns in container ships in the European Union	
Fernando González-Laxe, Isabel Novo-Corti	79

Saut Gurning, Stephen Cahoon	99
Comparative analysis of efficiency for major Northeast Asia airports	
Hun-Koo Ha, Yuichiro Yoshida, Anming Zhang	112
Collective strategy and resilience in supply chains: opportunities for port managers	
Hilary Haugstetter, Stephen Cahoon	137
Addressing modern piracy and maritime terrorism in Southeast Asia: a legal perspective	
Nong Hong	147
A port capacity study: planning models and evaluation	
Dušanka Jovović, Branislav Dragović, Vesna Dragović-Radinović, Maja Škurić	157
Obstacles to supply chain integration: empirical analysis of maritime firms  Jasmine Siu Lee Lam	169
An application of the Porter's diamond framework: the case of Hong Kong airfreight industry	
Yui Yip Lau	179
Solving train blocking and scheduling problem by using a bi-level programming model and genetic algorithm	
Haiying Li, Zhaoxia Yang, Lingyun Meng, Xi Jiang, Jianrui Miao	190
Sequencing minimum product set on mixed model U-lines to minimize work overload	
Jinlin Li, Jie Gao, Linyan Sun	203
Value of information sharing in marine mutual insurance  Kevin Li, John Liu, Jia Yan, Jie Min	214
мечи ы, оот ыи, ош тип, ос тип	∠1 <del>'</del> †
Strict or relaxed: remedy for duty of disclosure	
Kevin Li, Yulan Wang, Jie Min	227

chain	
Donghan Liang, Gang Li, Jie Gao, Linyan Sun, Xinyu Sun	243
Safety culture and safety behaviors in container shipping: a seafarer's perspective	
Chin-Shan Lu, Chaur-Luh Tsai	253
Senior managers' safety leadership and safety performance in container terminal operations	
Chin-Shan Lu, Chung-Shan Yang	264
Analyzing the trade transport and the demand of multi-mode transport between China and Koreas	
Jing Lu, Zhongzhen Yang	284
A dynamic-economic model for container freight market  Meifeng Luo, Lixian Fan, Liming Liu	290
Port competition using capacity expansion and pricing  Meifeng Luo, Liming Liu, Fei Gao	305
The change process in a state-owned airline: the implementation of new electronic services	
Kostas Malagas, Nikitas Nikitakos, Maria Ampartzaki	322
Maritime security instruments in practice: a critical review of the implementation of ISPS code in the port of Hong Kong	
Koi Yu Adolf Ng	334
Maritime policy using multilayer CBR  Nikitas Nikitakos, Georgios Fikaris	349
The economics behind the awarding of terminals in seaports: economic issues in the pre-bidding phase	
Theo Notteboom, Christophe Theys, Athanasios Pallis, Peter W De Langen	360

Tae Hoon Oum, Anming Zhang, Xiaowen Fu
Nam Kyu Park, B Dragovic, Woo Young Choi
hinterlands  Jean-Paul Rodrigue, Theo Notteboom
Accounting implications for lease classification in acquiring transportation assets  Owen Tang
Owen Tang
Owen Tang
Bankruptcy Courts' power on disposal of maritime asset
Owen Tang
An activity based costing model for liner shipping pricing management  Shin-Chan Ting, Chung-Jen Yen
Integrated berth and quay crane allocation to container vessels  Zheng Tong, Jiyin Liu
The challenge of trade liberalization in logistics services: the case of Indonesia  Jose Tongzon
Ship standardisation on the Yangtze River  Albert W Veenstra 473
Maritime safety and security: developments and challenges  Jin Wang
The capacity utilization of a container shipping line  Wei-Ming Wu

Demand characteristics of Chinese transport logistics services	
Jiaqi Yang	503
Use of fuzzy AHP to determine port hinterland development assessment criteria	
for free trade zone	
Yi-Chih Yang	512
Impacts of port relocation on the location of port-relation industries	
Zhongzhen Yang, Ying Li	526
Model splits in rapid passenger transportation corridor	
Zhongzhen Yang, Ying Li	538
Study on the location of land-port in Guizhou	
Zhongzhen Yang, Yonglei Jiang, Jing Lu	546
Unilateral GHG control measure and aviation industry: a theoretical analysis	
Andrew C L Yuen, Anming Zhang	555
Research on the construction method of container yard microanalysis simulation model	
Jieshu Zhang	578
Studies of the concepts, features and development strategy of the fourth	
generation port based on supply chain thoughts	505
Jieshu Zhang, Hong Zhen, Jie Gao	587