

IAME 2011
LATIN AMERICA



Shipping markets, port devolution and a changing geography of world maritime transport

UNITED NATIONS ECONOMIC COMMISSION FOR LATIN AMERICA AND THE CARIBBEAN

SANTIAGO DE CHILE

25th – 28th of OCTOBER 2011

Organisers



Transport
Research
Institute

ITMMA
INSTITUTE OF TRANSPORT AND
MARITIME MANAGEMENT ANTWERP

Host



Under the auspices of:

 **INTERNATIONAL
ASSOCIATION OF MARITIME
ECONOMISTS**

Host

Ricardo J. Sánchez
UNECLAC, Santiago, Chile

Conference Chair

Dr. Gordon Wilmsmeier
UNECLAC, Santiago, Chile
Transport Research Institute (TRI), Edinburgh Napier University, United Kingdom (external member)

Organiser and Chairman International Steering Committee

Prof. Kevin Cullinane
Transport Research Institute (TRI), Edinburgh Napier University, United Kingdom

Co-organiser

Prof. Theo E. Notteboom
ITMMA, Antwerp, Belgium - Sponsoring and Industry Relations

Local organising committee

Yakov Boglev, Transport Research Institute (TRI), Edinburgh Napier University, United Kingdom

Marielle Gonzalez, UNECLAC, Santiago, Chile

Gabriel Pérez, UNECLAC, Santiago, Chile

Maricel Ulloa, UNECLAC, Santiago, Chile

Session overview

| | time | Raúl Prebisch | | | |
|---------------------------------------|------------------|--|---|--|---|
| Tuesday 25 th October | 16:10 – | <p style="text-align: center;">Opening Ceremony</p> <p style="text-align: center;">IAME2011 welcome reception</p> | | | |
| | 17:30 | | | | |
| | 17-30 | | | | |
| Wednesday 26 th October | | Aula 1 | Celso Furtado | Enrique V. Iglesias | Raúl Prebisch |
| | 09:30 - 11:10 | Network analysis in shipping and ports (A1) | Port reform and governance (C1) | Green management and strategies (E1) | International trade and maritime geography (R1) |
| | | | <i>Coffee break</i> | | |
| | 11:35 - 13:15 | Bulk shipping (A2) | Institutions, path dependency and governance (C2) | Operations Research in ports (E2) | Maritime business strategies (R2) |
| | | | <i>Lunch Buffet</i> | | |
| | 14:45 - 16:25 | Risk management (A3) | Port competitiveness (C3) | Northern Maritime University (NMU): Maritime education and training (E3) | Port performance, efficiency and effectiveness (R3) |
| | | | <i>Coffee break</i> | | |
| | | Raúl Prebisch | | | |
| | 16:50 – 18:10 | <p style="text-align: center;">Plenary round table</p> <p style="text-align: center;">Shipping markets and maritime clusters – facing current challenges</p> | | | |

Conference Dinner - ENOTECA

| | time | Aula 1 | Celso Furtado | Enrique V_ Iglesias | Raúl Prebisch | |
|---|------------------|--|---|--|---|--|
| Thursday 27 th October | 09:30 - 11:10 | Modelling of shipping markets (A4) | Green management and strategies in shipping and ports (C4) | Port development (E4) | Hinterland strategies and intermodal transport (R4) | |
| | | | <i>Coffee break</i> | | | |
| | 11:35 - 13:15 | Short Sea Shipping (A5) | Maritime logistics in supply chain management (C5) | KNOW-ME: Maritime education and training (E5) | Panama Canal (R5) | |
| | | | <i>Lunch buffet</i> | | | |
| | 14:45 - 16:25 | Port choice (A6) | Maritime policy (C6) | Maritime and port safety and security (E6) | Institutions, path dependency and governance (R6) | |
| | | <i>Coffee break</i> | | | | |
| | | Raúl Prebisch | | | | |
| | 16:50 – 18:10 | Plenary round table Hinterlands and changing geographies of trade – a new role for ports? | | | | |
| <i>Gala Dinner – Casa Bustamante</i> | | | | | | |
| | time | Aula 1 | Celso Furtado | Enrique V_ Iglesias | Raúl Prebisch | |
| Friday 28 th October | 09:30 - 11:10 | Special shipping market analysis (A7) | Port-city relations (C7) | Maritime logistics in supply chain management (E7) | Hinterland strategies and intermodal transport (R7) | |
| | | | <i>Coffee break</i> | | | |
| | | | Raúl Prebisch | | | |
| | 11:35 – 12:55 | | Plenary round table Port devolution and concessions – where to next? | | | |
| | 13:05 – 14:00 | | MEL Phd competition Closing ceremony | | | |
| | | <i>Vino de Honor</i> | | | | |

Tuesday 25th October

*Presenters should arrive 10 minutes prior to the session with their presentation on a USB drive.
Simultaneous translation is available in the session in the room Raúl Prebisch*

| Time | Room |
|--|----------------------|
| 10:00 - 15:30 | Raúl Prebisch |
| Iberoamerica special sessions | |
| Themes: | |
| <ul style="list-style-type: none">• Port development and port governance• Shipping markets and policy• Supply chain management and maritime and port logistics | |
| 16:10 - 17:30 | Raúl Prebisch |
| Official Opening ceremony of IAME2011 | |
| Welcome | |
| ALICIA BÁRCENA, Executive Secretary, UNECLAC | |
| GORDON WILMSMEIER, Conference Chair, UNECLAC | |
| KEVIN CULLINANE, Head of Scientific Committee and Organiser, TRI | |
| THEO E. NOTTEBOOM, IAME President and Co-organiser, ITMMA | |
| RICARDO J. SÁNCHEZ, Host and Chief of USI, UNECLAC | |
| 17:30- | CEPAL Garden |
| IAME2011 welcome reception | |

Wednesday 26th October

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| Time | Room |
|--|----------------------|
| 09:30 - 11:10 | Aula 1 |
| A1 - Network analysis in shipping and ports | |
| Session chair: ALFRED J. BAIRD | |
| A REVENUE MANAGEMENT SLOT ALLOCATION MODEL FOR LINER SHIPPING NETWORKS | |
| SEBASTIAN ZURHEIDE, Hamburg University of Technology KATHRIN FISCHER, Hamburg University of Technology | |
| CONTAINERSHIP SPEED AND FLEET SIZE OPTIMISATION WITH SEMI-ELASTIC DEMAND: AN APPLICATION TO NORTHERN EUROPE-SOUTH AMERICA TRADE | |
| ALI CHEAITOU, University of Sharjah / Euromed Management, Marseille PIERRE CARIOU, Euromed Management, Marseille | |
| MEDITERRANEAN PORTS: A CLASSIFICATION BASED ON CONTAINER SERVICES NETWORK | |
| MAURO ERSINI, CIELI - University of Genoa CLAUDIO FERRARI, CIELI - University of Genoa MONICA GROSSO, CIELI - University of Genoa | |
| THE APPLICATION OF MULTIPLE LINKAGE ANALYSIS TO MEASURING FREIGHT TRAFFIC CONSOLIDATION IN THE CONTAINER PORT INDUSTRY | |
| YUHONG WANG TRI - Edinburgh Napier University KEVIN CULLINANE, TRI - Edinburgh Napier University | |
| 09:30 - 11:10 | Celso Furtado |
| C1 - Port reform and governance | |
| Session chair: MARY BROOKS | |
| AN OVERVIEW ON THE REFORM PROCESS OF AFRICAN PORTS | |
| LOURDES TRUJILLO, Universidad de Las Palmas de Gran Canaria MARHA MANUELA GONZÁLEZ, Universidad de Las Palmas de Gran Canaria JUAN LUIS JIMÉNEZ, Universidad de Las Palmas de Gran Canaria | |
| PORT CONCESSIONS: ARE THEY REALLY STRUCTURED FOR THE PORTS DEVELOPMENT? | |
| CLAUDIO FERRARI, CIELI - University of Genoa FRANCESCO PAROLA, University of Naples ALESSIO TEI, University of Genoa | |
| SOUTH AFRICA'S PORTS: GOVERNANCE AND PRICING REFORM | |
| MIHALIS CHASOMERIS, University of KwaZulu-Natal | |
| THE FUTURE GOVERNANCE STRUCTURE OF LIBYA'S PORTS: A SURVEY OF STAKEHOLDER ATTITUDES | |
| HESHAM M. GHASHAT, TRI - Edinburgh Napier University KEVIN CULLINANE, TRI - Edinburgh Napier University | |

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| Time | Room |
|--|---------------------|
| 09:30 - 11:10 | Enrique V. Iglesias |
| E1 - Green management and strategies in shipping and ports | |
| Session chair: STEPHEN CAHOON | |
| A GLOBAL LEVY SCHEME ON GREENHOUSE GAS EMISSIONS FROM SHIPPING OR A MARITIME EMISSION TRADING SCHEME? | |
| COSTAS GIZIAKIS, University of Piraeus ANASTASIA CHRISTODOULOU, University of Piraeus | |
| ACTIONS APPLIED BY CHINESE SHIPPING COMPANIES UNDER GHG EMISSIONS TRADING SCHEME | |
| ZHANG, Shanghai Jiao Tong University XIAONING SHI, Shanghai Jiao Tong University / University of Hamburg YI STEFAN VOSS, University of Hamburg | |
| AN OVERVIEW OF THE REGULATIONS OF THE PEOPLE'S REPUBLIC OF CHINA ON ADMINISTRATION OF PREVENTION AND CONTROL OF POLLUTION TO THE MARINE ENVIRONMENT BY VESSELS | |
| JINGJING XU, University of Plymouth | |
| ASSESSING THE COST AND CO2E IMPACTS OF REROUTING UK IMPORT CONTAINERS VIA NORTHERN AND WESTERN PORTS | |
| VASCO SÁNCHEZ-RODRIGUES, University of Plymouth SYAMANTAK BHATTACHARYA, University of Plymouth ANTHONY BERESFORD, Cardiff University STEPHEN PETTIT, Cardiff University | |
| 09:30 - 11:10 | Raúl Prebisch |
| R1 - International trade and maritime geography | |
| Session chair: SIMME VELDMAN | |
| CONTAINERIZED TRANSPORT VERSUS GENERAL CARGO: THE YEARS OF THE CRISIS. A COMPLEX NETWORKS ANALYSIS | |
| CARLOS PAIS MONTES, University of La Coruña MARIA JESUS FREIRE SEOANE, University of La Coruña FERNANDO GONZÁLEZ LAXE, University of La Coruña | |
| THE UNEVEN EFFECT OF MARITIME TRANSPORT COSTS ON INTERNATIONAL TRADE | |
| SAMI BENSASSI, Universitat Jaume I INMACULADA MARTINEZ-ZARZOSO, Universitat Jaume I CELESTINO SUÁREZ BURGUE, Universitat Jaume I | |
| TRADE FACILITATION, MARITIME TRADE AND GLOBAL PRODUCTION NETWORKS | |
| INMACULADA MARTÍNEZ ZARZOSO, Universitat Jaume I /Georg-August Universität LAURA MARQUEZ-RAMOS, Universitat Jaume I GORDON WILMSMEIER, UNECLAC | |
| TRADING ASYMMETRIES IN EU-GATEWAY CONCENTRATION PATTERNS; COMPREHENSIVE LESSONS FROM THE 2009 WORLD-TRADE CRISIS | |
| EVRARD CLAESSENS, University of Antwerp - ITMMA VESNA STAVREVSKA, University of Antwerp FRANKY TO, University of Antwerp TAN ZHILE, University of Antwerp - ITMMA | |

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| Time | Room |
|---|---------------|
| 11:35 - 13:15 | Aula 1 |
| A2 - Bulk shipping | |
| Session chair: RAINER MÜLLER | |
| FUZZY INTEGRATED LOGICAL FORECASTING (FILF) MODEL FOR THE TIME CHARTER RATES OF DRY BULK SHIPPING: A VECTOR AUTOREGRESSIVE DESIGN OF FUZZY TIME SERIES WITH FUZZY C-MEANS CLUSTERING | |
| EMRAH BULUT, Kobe University OKAN DURU, Istanbul Technical University SHIGERU YOSHIDA, Kobe University | |
| WAVELET AND NEURAL NETWORK MODEL FOR PREDICTION OF DRY BULK SHIPPING INDICES | |
| YORDAN LEONOV, Technical University Varna VENTSISLAV NIKOLOV, Technical University Varna (presented by ANA CASACA) | |
| LOW CARBON SHIPPING: OIL TANKER MOVEMENTS INVOLVING THE UK | |
| JOHN DINWOODIE, Plymouth University Business School SARAH TUCK, Plymouth University Business School VASCO SÁNCHEZ-RODRIGUES, Plymouth University Business School JOHN MANGAN, Newcastle University | |
| OIL TERMINAL SHIP-SHORE INTERFACE: COMPARATIVE ANALYSIS OF OPERATIONAL EFFICIENCY | |
| ROBERT DESROSIERS, Texas A&M University | |
| 11:35 - 13:15 | Celso Furtado |
| C2 - Special Session - Institutions, path dependency and the governance and development of transport/logistics nodes | |
| Session chair: ADOLF K.Y. NG | |
| INSTITUTIONS AND THE EVOLUTION OF ECONOMIC ACTIVITIES IN DEVELOPING ECONOMIES: LESSONS FROM EAST ASIAN PORTS | |
| JOSE L. TONGZON, Inha University ADOLF K.Y. NG, The Hong Kong Polytechnic University | |
| STAKEHOLDER MANAGEMENT AND PATH DEPENDENCY IN LARGE-SCALE TRANSPORT INFRASTRUCTURE DEVELOPMENT: THE PORT OF ANTWERP CASE (1960-2010) | |
| MICHAEL DOOMS, Vrije Universiteit Brussel ALAIN VERBEKE, Vrije Universiteit Brussel ELVIRA HAEZENDONCK, Vrije Universiteit Brussel | |
| SUSTAINABLE CLUSTER MANAGEMENT AS AN IMPORTANT SOURCE OF PATH DEPENDENCY IN ADVANCED ECONOMIES AND EMERGING MARKETS. | |
| HANS-DIETRICH HAASIS, Institute of Shipping Economics and Logistics IRINA DOVBISCHUK, University of Bremen | |
| THE STRATEGIC ROLE OF A PORT AUTHORITY IN ITS HINTERLAND NETWORK: A CO-EVOLUTION PERSPECTIVE | |
| LARISSA M. VAN DER LUGT, Erasmus University Rotterdam SUZANA B. RODRIGUES, Erasmus University Rotterdam ROY VAN DEN BERG, Port of Rotterdam | |

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| Time | Room |
|---|----------------------------|
| 11:35 - 13:15 | Enrique V. Iglesias |
| E2 - Operations Research in ports | |
| Session chair: STEFAN VOSS | |
| A NEW TAXONOMY FOR CONTAINER TERMINALS | |
| ANTONIO PALMIERI, University of Bergamo ENZO BAGLIERI, Bocconi University / SDA Bocconi School of Management | |
| COMPARISON OF NEW AND OLD QUEUEING THEORY RESULTS FOR CONTAINER TERMINAL PERFORMANCE EVALUATION | |
| BRANISLAV DRAGOVIC, University of Montenegro NENAD ZRNIC, University of Belgrade MAJA SKURIC | |
| QUEUEING SCENARIOS IN BULK TERMINAL DISCHARGE OPERATIONS IN COLOMBIAN PORTS | |
| ENRIQUE PECA HORMAZA, Seaboard Overseas Limited MIAOJIA LIU, BIMCO | |
| 11:35 - 13:15 | Raúl Prebisch |
| R2 - Maritime business strategies | |
| Session chair: FRANCESCO PAROLA | |
| INNOVATIVE EVIDENCES IN MARITIME TRANSPORT | |
| GIULIA ARDUINO, Università degli Studi di Genova DAVID CARRILLO MURILLO, Karlsruhe Institute of Technology CLAUDIO FERRARI, Università degli Studi di Genova | |
| PROCESSES ADOPTED TO INTEGRATE INTANGIBLE RESOURCES IN GLOBAL ACQUISITIONS AMONG CONTAINER LINES: PERCEPTIONS OF ACQUIRERS AND THE ACQUIRED | |
| INDIKA SIGERA, Australian Maritime College STEPHEN CAHOON, Australian Maritime College | |
| THE ECONOMICS OF SHIPPING LINES' GROUPS: PERFORMANCES AND TRENDS | |
| CLAUDIO FERRARI, CIELI - University of Genoa RENATO MIDORO, CIELI - University of Genoa FRANCESCO PAROLA, University of Naples GIOVANNI SATTA, CIELI - University of Genoa | |
| THE EFFECTIVENESS OF SHIPPING KNOWLEDGE ON LOGISTICS VALUE AND ORGANISATIONAL INNOVATION: THE MODERATING ROLE OF ABSORPTIVE CAPACITY | |
| EON-SEONG LEE, Australian Maritime College DONG-WOOK SONG, Heriot-Watt University | |

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| Time | Room |
|---|----------------------|
| 14:45 - 16:25 | Aula 1 |
| A3 - Risk management | |
| Session chair: WAYNE K. TALLEY | |
| DEFAULT RISK DRIVERS IN SHIPPING BANK LOANS | |
| MANOLIS G. KAVUSSANOS, Athens University of Economics and Business DIMITRIS A. TSOUKNIDIS, Athens University of Economics and Business | |
| DYNAMIC FUZZY LOGIC MODEL FOR RISK ASSESSMENT OF MARINE CRUDE OIL TRANSPORTATION | |
| YI-ZHOU LI, Shanghai Jiao Tong University HAO HU, Shanghai Jiao Tong University DAO-ZHENG HUANG, Shanghai Jiao Tong University | |
| RISK ASSESSMENT IN CONTAINER SECURITY | |
| RAINER MÜLLER, Institute of Shipping Economics and Logistics | |
| 14:45 - 16:25 | Celso Furtado |
| C3 - Port competitiveness | |
| Session chair: MICHAEL DOOMS | |
| HOW PORT COMPETITIVENESS IS IMPACTED ON BY ROAD PRICING: AN APPLICATION TO THE HAMBURG - LE HAVRE RANGE | |
| HILDE MEERSMAN, University of Antwerp CHRISTA SYS, University of Antwerp EDDY VAN DE VOORDE, University of Antwerp THIERRY VANELSLANDER, University of Antwerp | |
| IMPROVING PORT OF SINES COMPETITIVENESS. A BENCHMARKING APPROACH | |
| ANA CRISTINA PAIXÃO CASACA, ESPRIM SÓNIA CARVALHO MÁRIO OLIVEIRA, APL | |
| THE COMPETITIVENESS OF THE PORT OF VERACRUZ IN THE TRANSPORT CHAIN OF AGRICULTURAL BULK FLOWS | |
| CARLOS D. MARTNER PEYRELONGUE, Instituto Mexicano del Transporte CARMEN GUADALUPE MORALES PÉREZ, Instituto Mexicano del Transporte ARTURO PÉREZ SÁNCHEZ, Instituto Mexicano del Transporte AURORA MORENO MARTÍNEZ, Instituto Mexicano del Transporte JORGE J. MARTÍNEZ ANTONIO, Instituto Mexicano del Transporte | |
| PORT RESEARCH SINCE 1980: AN ANALYSIS OF AUTHORSHIP AND INSTITUTIONAL AFFILIATION | |
| SU-HAN WOO, Chung-Ang University STEPHEN J. PETTIT, Cardiff University ANTHONY KC BERESFORD, Cardiff University DONG - WOOK KWAK, Cardiff University | |

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| Time | Room |
|---|---------------------|
| 14:45 - 16:25 | Enrique V. Iglesias |
| E3 - NMU Special Session: Maritime education and training | |
| Session chair: THOMAS PAWLIK | |
| CORPORATE GOVERNANCE IN SHIPPING: CEO DUALITY | |
| THEODORE SYRIOPOULOS, University of the Aegean MICHAEL TSATSARONIS, University of the Aegean | |
| KNOWLEDGE PORTS. Knowledge as a competitiveness factor | |
| HILDA GHIARA, DIEM - University of Genoa MASSIMILIANO GIGLIO, DIEM - University of Genoa | |
| SEA TRANSPORT IS THE BACKBONE OF GLOBALIZATION BUT WHO IS GOING TO RUN THE BUSINESS? | |
| JENS FROESE, Jacobs University Bremen | |
| 14:45 - 16:25 | Raúl Prebisch |
| R3 - Port performance, efficiency and effectiveness | |
| Session chair: ATHANASIOS PALLIS | |
| ECONOMIES OF SCALE AND SCOPE IN SERVICE FIRMS WITH DEMAND UNCERTAINTY: AN APPLICATION TO A SPANISH PORT | |
| BEATRIZ TOVAR, University of Las Palmas de Gran Canaria ALAN WALL, University of Oviedo | |
| GOOD REGULATIONS, BAD REGULATION. A PERUVIAN PORT CASE | |
| ENZO DEFILIPPI, Universidad del Pacífico | |
| RELATIONSHIPS BETWEEN PORT SERVICE PROVIDERS AND USERS: AN EMPIRICAL STUDY | |
| THOMAS K. VITSOUNIS, University of the Aegean ATHANASIOS A. PALLIS, University of the Aegean | |
| THE ROLE OF CORPORATE AGILITY AND PERCEIVED PRICE ON THE SERVICE QUALITY – CUSTOMER SATISFACTION LINK. SOME PRELIMINARY EVIDENCE FROM THE PORT INDUSTRY. | |
| ANGELOS PANTOUVAKIS, University of Piraeus ATHANASSIOS DIMAS, University of Piraeus | |

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16:50 - 18:10

Celso Furtado

Plenary round table: Shipping markets and maritime clusters – facing current challenges?

Moderator:

GAVIN ROSER, Pantrak and European Freight and Logistics Leaders Forum

Panelists

GASTÓN BASTÍAS, Puerto San Antonio (tbc)

JULIAN FLORES, DHL Logistics

JAN HOFFMANN, UNCTAD

FERNANDO GONZALEZ LAXE, Puertos del Estado (tbc)

HARALD JAEGER, Puerto Valparaiso

ARNE JENSEN, Gothenburg University

WAYNE K. TALLEY, Old Dominion University

Thursday 27th October

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| Time | Room |
|--|----------------------|
| 09:30 - 11:10 | Aula 1 |
| A4 - Modelling of shipping markets | |
| Session chair: MANOLIS KAVUSSANOS | |
| AN APPLICATION OF NON-COOPERATIVE GAME TO AN EQUILIBRIUM FREIGHT RATE WITH CAPACITY CONSTRAINT UNDER UNCERTAINTY | |
| KOICHIRO TEZUKA, University of Fukui MASAHIRO ISHII, Sophia University | |
| MEASURING THE INTERNATIONAL COMPETITIVENESS OF CHINA'S SHIPBUILDING INDUSTRY: A PROFIT-BASED MEASUREMENT | |
| LIPING JIANG, University of Southern Denmark | |
| POTENTIAL FOR IMPROVEMENT OF FEEDER VESSEL CAPACITY UTILISATION | |
| LINDA STYHRE, SSPA Sweden / Chalmers University of Technology | |
| SHIP PRICES BEHAVIOUR AND INTERNATIONAL LIQUIDITY CONDITIONS | |
| IOANNIS TSAMOURGELIS, University of Aegean PERSA PAFLIOTI, University of Aegean | |
| 09:30 - 11:10 | Celso Furtado |
| C4 - Green management and strategies in shipping and Ports | |
| Session chair: SARAH TUCK | |
| A GLOBAL SEABORNE TRADE PATTERN FORECASTING METHOD FOR SHIPPING EMISSION MODELLING | |
| LARS ERIK MANGSET, Det Norske Veritas AS MICHELE ACCIARO, Det Norske Veritas AS MAGNUS STRANDMYR EIDE, Det Norske Veritas AS | |
| ENVIRONMENTAL-FRIENDLY CONTAINER TRANSPORT - CHALLENGES AND INSTRUMENTS OF GREEN MARITIME LOGISTICS | |
| ROBERT STAHLBOCK, University of Hamburg STEFAN VOSS, University of Hamburg | |
| CLEAN TRUCKS IN CALIFORNIA PORTS: MODELLING EMISSIONS POLICY | |
| CHRISTOPHER B. CLOTT, University of St. Francis BRUCE C. HARTMAN, American University | |
| THE ENERGY EFFICIENCY GAP IN SHIPPING – BARRIERS TO IMPROVEMENT | |
| HANNES JOHNSON, Chalmers University of Technology KARIN ANDERSSON, Chalmers University of Technology | |

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09:30 - 11:10

Enrique V. Iglesias

E4 - Port development

Session chair: HILARY HAUGSTETTER

“PREFERRED” SCALE OF CONTAINER TERMINALS IN SEAPORTS: A STATISTICAL ANALYSIS ON PARAMETERS AND SIZE DISTRIBUTION

EVANGELIA N. KASELIMI, University of Antwerp - ITMMA

THEO E. NOTTEBOOM, University of Antwerp - ITMMA

TECHNICAL AND ECONOMIC EVALUATION OF THE FLOATING CONTAINER STORAGE AND TRANSHIPMENT TERMINAL

ALFRED J. BAIRD, TRI - Edinburgh Napier University

DIRK ROTHER, Gottwald Port Technology GmbH

THE IMPACT OF PRIVATE OPERATION ON PROFITABILITY OF PORT AUTHORITIES: THE CASE OF THE UNITED STATES

WEN-YAO WANG, Texas A&M University at Galveston

KRIS JOSEPH KNOX, Texas A&M University at Galveston

THE IMPACT OF THE FINANCIAL CRISIS ON CONTAINER TERMINALS LOCATED IN POLAND

ROBERT MAREK, Gdynia Maritime University

HANNA KLIMEK, Gdansk University

09:30 - 11:10

Raúl Prebisch

R4 - Hinterland strategies and intermodal transport

Session chair: EVRARD CLAESSENS

DRY PORT EFFICIENCY AND CONTAINER SECURITY

HERCULES HARALAMBIDES, MEL, Erasmus University Rotterdam

GIRISH GUJAR, MEL, Erasmus University Rotterdam

MUKUL JAIN, Container Corporation of India Ltd

LOCATION PLANNING OF DRY PORT BASED ON LOGIT-THE CASE OF SOUTHWEST CHINA

FANG LI, Shanghai Jiao Tong University

XIAONING SHI, HAO HU, Shanghai Jiao Tong University

LOCATION SPLITTING OR STRUCTURAL TRANSFORMATION? THE ROLE OF INLAND TERMINALS IN PORT DEVELOPMENT

JASON MONIOS, TRI - Edinburgh Napier University

GORDON WILMSMEIER, UNECLAC

UNDERSTANDING MODE CHOICE DECISIONS: A STUDY OF AUSTRALIAN FREIGHT SHIPPERS

MARY R. BROOKS, Dalhousie University

SEAN M. PUCKETT, US Dept. of Transportation, Volpe National Transportation Systems Ctr.

DAVID A. HENSHER, University of Sydney

ADRIAN SAMMONS, AMSTEC Design Pty Ltd

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| Time | Room |
|--|----------------------|
| 11:35 - 13:15 | Aula 1 |
| A5 - Short Sea Shipping | |
| Session chair: ANA CRISTINA PAIXÃO CASACA | |
| CASE STUDIES ON MOTORWAYS OF THE SEA IN SPAIN | |
| XAVIER GESÉ APERTE, Puertos del Estado ALFRED J. BAIRD, TRI - Edinburgh Napier University | |
| COASTAL SHIPPING AND ISLAND ATTRACTIVENESS: PERSPECTIVES FROM EUROPE | |
| MARIA B. LEKAKOU, University of the Aegean ATHANASIOS A. PALLIS, University of the Aegean GEORGE K. VAGGELAS, University of the Aegean THOMAS VITSOUNIS, University of the Aegean | |
| ESTIMATING THE IMPACT OF ROAD TRANSPORT DEREGULATION IN SHORT SEA SHIPPING: EXPERIENCE FROM DEREGULATION IN EU | |
| EFSTRATIOS PAPANITRIOU, University of Piraeus IOANNIS KOLIOUSIS, University of Piraeus PANAGIOTIS KOLIOUSIS, University of Piraeus JULIE MARIE ANTONIADES, University of Piraeus | |
| PROMOTING SHORT SEA SHIPPING IN EUROPEAN UNION: LESSONS FROM THE PROPS PROJECT | |
| PAPANITRIOU EFSTRATIOS, University of Piraeus ERNESTOS TZANNATOS, University of Piraeus KOLIOUSIS IOANNIS, University of Piraeus | |
| 11:35 - 13:15 | Celso Furtado |
| C5 - Maritime logistics in supply chain management | |
| Session chair : ANTHONY BERESFORD | |
| AN ANALYTICAL FRAMEWORK OF MARITIME DISRUPTION MANAGEMENT WITHIN A SUPPLY CHAIN | |
| SAUT GURNING, Institut Teknologi Sepuluh Nopember (ITS) STEPHEN CAHOON, Australian Maritime College HONG-OANH NGUYEN, Australian Maritime College | |
| DETERMINANTS FOR ASSIGNING VALUE-ADDED LOGISTICS SERVICES TO LOGISTICS CENTERS WITHIN A SUPPLY CHAIN CONFIGURATION: CASE STUDY OF SPORTSWEAR AND FASHION INDUSTRY | |
| LU CHEN, University of Antwerp - ITMMA THEO E. NOTTEBOOM, University of Antwerp - ITMMA | |
| LOGISTICS SERVICES BY SHIPPING FIRMS FOR JAPANESE AUTOMOBILE INDUSTRY IN CHINA | |
| KATSUHIKO HAYASHI, Ryutsu Keizai University TOSHINORI NEMOTO, Hitotsubashi University | |
| THE EFFECT OF LOGISTICS LEARNING CAPABILITY ON LOGISTICS SERVICE PERFORMANCE IN INTERNATIONAL DISTRIBUTION CENTER | |
| CHING-CHIAO YANG, National Kaohsiung Marine University | |

Thursday 27th October

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| Time | Room |
|---|----------------------------|
| 11:35 - 13:15 | Enrique V. Iglesias |
| E5 - KNOW-ME Special Session: Maritime education and training | |
| Session chair: JENS FROESE | |
| ECDIS, A VAST PEDAGOGICAL EXPERIMENT | |
| RALPH BECKER-HEINS, Hochschule Bremen | |
| INTERCULTURAL LEADERSHIP AT SEA | |
| NAN XIANG, Copenhagen Business School | |
| THE ROLE OF KNOWLEDGE AND CAPABILITIES IN PORT DEVELOPMENT: A CASE STUDY FOR THE WEST COAST OF SOUTH AMERICA | |
| ERICK LEAL, Universidad Católica de la Santísima Concepción | |
| RICARDO J. SÁNCHEZ, UNECLAC | |
| THEO E. NOTTEBOOM, ITMMA – University of Antwerp | |
| GABRIEL PEREZ, UNECLAC | |
| OCTAVIO DOERR, UNECLAC | |
| THE SEAFARING LABOR MARKET IN BRAZIL | |
| ENRICO LOBRIGO, University of Applied Sciences Bremen, Centre of Maritime Studies | |
| THOMAS PAWLIK, University of Applied Sciences Bremen, Centre of Maritime Studies | |
| 11:35 - 13:15 | Raúl Prebisch |
| R5 - Special Session: Panama Canal | |
| Session chair: RICARDO J. SÁNCHEZ | |
| AN INTRODUCTION TO THE PANAMA CANAL | |
| ONÉSIMO SÁNCHEZ, Panama Canal Authority | |
| A COMPETITIVE ANALYSIS OF PANAMA CANAL ROUTES | |
| RICARDO UNGO, Panama Canal Authority | |
| RODOLFO SABONGE, Panama Canal Authority | |
| IMPACT OF THE PANAMA CANAL EXPANSION ON THE PANAMANIAN ECONOMY | |
| ANTHONY M. PAGANO, University of Illinois at Chicago | |
| MILES K. LIGHT, University of Colorado | |
| ONÉSIMO SÁNCHEZ, Panama Canal Authority | |
| RICARDO UNGO, Panama Canal Authority | |
| EDDIE TAPIERO, Panama Canal Authority | |
| THE EXPANSION OF THE PANAMA CANAL AND ITS IMPACT ON GLOBAL CO2 EMISSIONS FROM SHIPS | |
| SILVIA DE MARUCCI, Panama Canal Authority | |

Thursday 27th October

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| Time | Room |
|---|----------------------|
| 14:45 - 16:25 | Aula 1 |
| A6 - Port choice | |
| Session chair : BRUCE LAMBERT | |
| A GAME THEORETICAL APPROACH TO THE INTER-RELATION BETWEEN TERMINAL SCALE AND PORT COMPETITION | |
| EVANGELIA N. KASELIMI, University of Antwerp - ITMMA THEO E. NOTTEBOOM, University of Antwerp - ITMMA NAIMA SAEED, Molde University College | |
| A NOVEL TOPSIS APPROACH TO PORT SELECTION DECISIONS | |
| JAFAR SAYAREH, Chabahar Maritime University HAMED REZAIE ALIZAMINI, Chabahar Maritime University | |
| INCREASING OPTIONS FOR THE MOVEMENT OF NON-BULK FREIGHT THROUGH REGIONAL PORT COLLABORATION IN AUSTRALIA: AN INNOVATIVE APPLICATION OF THE THEORY OF CONSTRAINTS THINKING PROCESSES FRAMEWORK | |
| COLIN KITTEL, Australian Maritime College HILARY HAUGSTETTER, Australian Maritime College | |
| PORT CHOICE MODEL TESTING AND PORT CONNECTIVITY: AN EXAMPLE OF SPANISH CONTAINER PORTS | |
| SIMME VELDMAN, ECORYS Nederland LORENA GARCÍA-ALONSO, Universidad de Oviedo MIAOJIA LIU, BIMCO | |
| 14:45 - 16:25 | Celso Furtado |
| C6 - Maritime policy | |
| Session chair: CLAUDIO FERRARI | |
| AUSTRALIAN SHIPPING: POLICY AND INSTITUTIONAL ISSUES | |
| SOPHIA EVERETT, Australian Maritime College (presented by TABATHA PETTIT) | |
| EUROPEAN MARITIME TRANSPORT POLICY AND RESEARCH PRIORITIES | |
| LEFTERIS SDOUKOPOULOS, Hellenic Institute of Transport MARIA BOILE, Hellenic Institute of Transport ELIZA GAGATSI, Hellenic Institute of Transport | |
| REGULATIONS AND POLICIES THAT LIMIT THE GROWTH OF THE U.S. GREAT LAKES CRUISING MARKET | |
| RICHARD D. STEWART, University of Wisconsin-Superior | |
| SHORT SEA SHIPPING IN BRAZIL: POTENTIAL AND POLICY IMPLICATIONS | |
| NAYARA AMARAL LIMA DE VALOIS, University of São Paulo AFONSO CELSO MEDINA, University of São Paulo RUI CARLOS BOTTER, University of São Paulo ALFRED J. BAIRD, TRI - Edinburgh Napier University | |

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| Time | Room |
|--|---------------------|
| 14:45 - 16:25 | Enrique V. Iglesias |
| E6 - Maritime and port safety and security | |
| Session chair: KOICHIRO TEZUKA | |
| DETERMINANTS OF VESSEL-ACCIDENT BUNKER SPILLAGE | |
| TSZ LEUNG YIP, The Hong Kong Polytechnic University WAYNE K. TALLEY, Old Dominion University DI JIN, Woods Hole Oceanographic Institution | |
| IMPROVING SECURITY IN INTERMODAL TRANSPORTS | |
| FRANK ARENDT, Institute of Shipping Economics and Logistics NILS MEYER-LARSEN, Institute of Shipping Economics and Logistics RAINER MÜLLER, Institute of Shipping Economics and Logistics | |
| INCORPORATING QUANTITATIVE RISK ANALYSIS IN PORT FACILITY SECURITY ASSESSMENT: A FUZZY EVIDENTIAL REASONING APPROACH | |
| ZAILI YANG, Liverpool John Moores University ADOLF K.Y. NG, The Hong Kong Polytechnic University JIN WANG, Liverpool John Moores University | |
| SECURE AND EFFICIENT CONTAINER TRANSPORT – A SUPPLY CHAIN FROM CHINA TO SWEDEN | |
| VIOLETA ROSO, Chalmers University of Technology MARTINA BENGTTSSON, Chalmers University of Technology THOMAZ K.C. AHLBORG, Chalmers University of Technology | |
| 14:45 - 16:25 | Raúl Prebisch |
| R6 - Special Session - Institutions, path dependency and the governance and development of transport/logistics nodes | |
| Session chair: THANOS PALLIS | |
| COOPERATION OR COMPETITION? FACTORS AND CONDITIONS AFFECTING REGIONAL PORT GOVERNANCE IN SOUTH CHINA | |
| KUN WANG, The Hong Kong Polytechnic University ADOLF K.Y. NG, The Hong Kong Polytechnic University JASMINE SIU LEE LAM, Nanyang Technological University XIAOWEN FU, The Hong Kong Polytechnic University | |
| INSTITUTIONAL PLASTICITY AND PATH DEPENDENCE IN SEAPORTS: INTERACTIONS BETWEEN INSTITUTIONS, PORT GOVERNANCE REFORM AND PORT AUTHORITY ROUTINES | |
| WOUTER JACOBS, Utrecht University PETER DE LANGEN, Eindhoven University of Technology and Port of Rotterdam Authority THEO E. NOTTEBOOM, University of Antwerp - ITMMA | |
| PATH DEPENDENCY AND REGIONAL PORT AUTHORITIES: A CASE FOR INNOVATION NETWORK LEADERSHIP? | |
| STEPHEN CAHOON, Australian Maritime College SHU-LING CHEN, Australian Maritime College HILARY HAUGSTETTER, Australian Maritime College | |
| SHAPING PORT GOVERNANCE: THE TERRITORIAL TRAJECTORIES OF REFORM PATTERNS | |
| JEAN DEBRIE, University of Paris-Est VALÉRIE LAVAUD-LETILLEUL, University of Montpellier 3 FRANCESCO PAROLA, University of Naples | |

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| Time | Room |
|---|----------------------|
| 16:50 - 18:10 | Raúl Prebisch |
| Plenary round table: Hinterlands and changing geographies of trade – a new role for ports? | |
| Moderator: JAN HOFFMANN, UNCTAD | |
| Panelists HERCULES HARALAMBIDES, MEL, Erasmus University Rotterdam BRUCE LAMBERT, ITTS FRANCESCO PAROLA, University of Naples PAUL TAE-WOO LEE, Kainan University FRANCESCO SCHIAFFINO, TPS Puerto Valparaiso (tbc) World Bank (tbc) | |

Friday 28th October

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| Time | Room |
|---|----------------------|
| 09:30 - 11:10 | Aula 1 |
| A7 – Special shipping markets analysis | |
| Session chair: HELEN THANOPOULOU | |
| SHIPYARD SELECTION IN INTERNATIONAL CONTAINER SHIPPING: ASSESSING CRITICAL FACTORS THROUGH AHP | |
| T.C. LIRN, National Taiwan Ocean University HELEN THANOPOULOU, University of the Aegean | |
| MARITIME CRUISE IN BRAZIL: MORE THAN AN EMERGENT MARKET | |
| LEO TADEU ROBLES, Universidade Federal do Maranhão SIMONE ROCHA PEREIRA, Centro Universitário Anhanguera de São Paulo | |
| 09:30 - 11:10 | Celso Furtado |
| C7 - Port-city relations | |
| Session chair: ENZO DEFILIPPI | |
| AN ANALYSIS AND EVALUATION OF THE SOURCES OF "AMENITY CONFLICT" BETWEEN URBAN PORT FACILITIES IN AUSTRALIA AND NEW ZEALAND | |
| GARY F. KELLER, Cardinal Stritch University RAE WESTON, Australian Centre for Integrated Freight Systems Management | |
| APPLYING ANALYTIC NETWORK PROCESS TO RANK CRITICAL SUCCESS FACTORS OF WATERFRONT REDEVELOPMENT | |
| PAUL TAE-WOO LEE, Kainan University JEI-ZHENG WU, Soochow University KAI-CHIEH HU, Soochow University MATTHEW FLYNN, Flynn Consulting Ltd. | |
| DOWN THE "SOCIAL DISTANCING" OF THE PORT. THE NEW ECONOMIC PORT LANDSCAPE AND THE GENOA PORT CENTER EXPERIENCE | |
| HILDA GHIARA, DIEM - University of Genoa ENRICO MUSSO, DIEM - University of Genoa | |
| SOCIO-ECONOMIC IMPACT OF PORT COMMUNITIES: THE RELEVANCE OF THE USER COMMUNITY BY TYPE OF FREIGHT | |
| INGRID MATEO-MANTECÓN, Universidad de Cantabria PABLO COTO-MILLÁN, Universidad de Cantabria MIGUEL ÁNGEL PESQUERA- GONZÁLEZ, Universidad de Cantabria | |

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| Time | Room |
|---|----------------------------|
| 09:30 - 11:10 | Enrique V. Iglesias |
| E7 - Maritime logistics in supply chain management | |
| Session chair: FRANCIS VAN LOON | |
| LIQUID BULK MARITIME LOGISTICS: ETHANOL EXPORTATION BY SANTOS PORT CASE | |
| LEO TADEU ROBLES, Universidade Federal do Maranhão MARIA RITA PONTES ASSUMPÇÃO, Universidade Metodista de Piracicaba | |
| THE UNIQUE FEATURES OF THE LNG SHIPPING MARKET: A STUDY OF SHIPOWNERS' STRUCTURE AND FLEET DISTRIBUTION | |
| SIYUAN WANG, University of Antwerp - ITMMA THEO E. NOTTEBOOM, University of Antwerp - ITMMA | |
| OFFSHORE SERVICE VESSEL LOGISTICS AND ENTREPRENEURIAL BUSINESS PROCESS MANAGEMENT IN HIGH TURBULENCE ENVIRONMENTS | |
| ODD JARL BORCH, Bodø Graduate School of Business BJØRN BATALDEN, University of Stavanger | |
| THE ROLE OF THE FREIGHT FORWARDER IN THE INDUSTRIAL PROJECTS IN LATIN AMERICA | |
| JULIAN J. FLORES, DHL | |
| 09:30 - 11:10 | Raúl Prebisch |
| R7 - Hinterland strategies and intermodal transport | |
| Session chair: JAN HOFFMANN | |
| ANALYZING THE FACTORS THAT DETERMINE THE EVOLUTION OF TRAFFIC CAPTURED IN SHARED AND HIGHLY DISPUTED HINTERLANDS. THE SPANISH EXPERIENCE. | |
| JOSE I. CASTILLO-MANZANO, University of Seville FERNANDO GONZALEZ -LAXE, University of La Coruña | |
| MULTIMODAL TRANSPORT SERVICES FROM EUROPE TO IRAQ: LEAST COST, LEAST TIME OR LEAST RISK? | |
| ZIAD AL HASHIMI, Cardiff University ANTHONY BERESFORD, Cardiff University STEPHEN PETTIT, Cardiff University | |
| PREEMPTIVE DEFENCE OF MARKET SHARES OF INTERCONTINENTAL CONTAINER FLOWS – PORT STRATEGIES UNDER CHANGING HINTERLAND TRANSPORT SYSTEM PERFORMANCE | |
| ARNE JENSEN, Gothenburg University RICKARD BERGQVIST, Gothenburg University | |
| THE HEARTLAND INTERMODAL CORRIDOR: USING PUBLIC PRIVATE PARTNERSHIPS TO TRANSFORM INSTITUTIONAL SETTINGS | |
| JASON MONIOS, TRI – Edinburgh Napier University BRUCE LAMBERT, ITTS | |

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| Time | Room |
|---|---------------|
| 11:35 - 12:50 | Raúl Prebisch |
| Plenary round table: Port devolution and concessions – where to next? | |
| Moderator: KEVIN CULLINANE, TRI – Edinburgh Napier University | |
| Panelists ALBERTO BORQUEZ, STI (tbc) CLAUDIO FERRARI, CIELI - University of Genoa (tbc) THANOS PALLIS, General Secretary of Ports and Port Policy, Greece MARCOS PINTO, Escola Politécnica da USP, Brazil LOURDES TRUJILLO, Universidad de Las Palmas de Gran Canaria | |
| 13:00 - 14:15 | Raúl Prebisch |
| 4th MEL Phd competition | |
| Moderator: HERCULES HARALAMBIDES, Erasmus University Rotterdam - MEL | |
| Closing ceremony | |
| Final notes GORDON WILMSMEIER, Conference Chair THEO E. NOTTEBOOM, President IAME | |
| Best paper awards and special issues KEVIN CULLINANE, Head of Scientific Committee | |
| Martin Sgut prize CHRISTINA SGUT, RICARDO J. SÁNCHEZ AND GORDON WILMSMEIER | |
| Presentation of IAME 2012 Taipei Conference INHA JRI, CMRI and Kainan University | |
| IAME General Assembly (IAME members only) THEO E. NOTTEBOOM, President IAME | |