Panagiotis Angeloudis

PHD, MEng, DIC, ACGI, MCILT

Associate Professor in Transport Systems & Logistics *(UK Senior Lecturer)*

Last updated: October 1, 2018

CONTACT INFORMATION	Room 337, Skempton Building Department of Civil & Environmental Engineering Imperial College London London, SW7 2BU, United Kingdom	*phone:* +44 207 594 5986 *skype:* panagiotis.angeloudis *email:* p.angeloudis@imperial.ac.uk *web:* imperial.ac.uk/people/p.angeloudis

RESEARCH INTERESTS

Fleet Operations, Logistics, Shipping Markets, Network Resilience, Trajectory Optimisation, Algorithmic Game Theory, Metaheuristics, Agent-Based Simulation

ACADEMIC POSITIONS

Imperial College London, United Kingdom

Senior Lecturer in Transport Systems and Logistics	**Aug 2016 - present**
Lecturer in Urban Engineering Systems	**Jun 2012 - Jul 2016**

  Director, Port Operations Research and Technology Centre (PORTeC)
  Director, Intelligent Infrastructure & Transport Systems Laboratory (IITS)
  Deputy Teaching Director, MSc in Transport
  Theme Leader (Resilience), Centre for Systems Engineering and Innovations
  Member, Institute for Security Science and Technology
  Member, Imperial Robotics Forum

Research Associate	**Nov 2009 - May 2012**
Research Assistant	**Nov 2008 - May 2009**

  Visiting Lecturer, Imperial College Business School
  Graduate Teaching Assistant, Dept. of Civil & Environmental Engineering

Kyoto University, Japan

JSPS Research Fellow	**Mar - Jun 2013**

PROFESSIONAL POSITIONS

Imperial College Consultants Ltd, London, United Kingdom	
Research Consultant	**Sep 2006 - present**
CharterDirect Shipping Ltd., London, United Kingdom	
Chief Scientific Advisor	**May 2018 - present**
United Nations, Geneva, Switzerland	
Graduate Intern	**May - Aug 2006**
P&O Ports, Southampton, United Kindom	
Analyst	**Jul - Sep 2005**

PROFFESIONAL AFFILIATIONS

Chartered Member Chartered Institute of Logistics and Transport
Chartered Civil Engineer Technical Chamber of Greece
Member Operational Research Society

EDUCATION

Imperial College London, United Kingdom	
PhD in Transport Engineering	**Oct 2005 - Nov 2009**
MEng in Civil & Enviornmnetal Engineering (First Class Honours)	**Oct 2001 - Jun 2005**

COMMITTEES & ADVISORY

UK Department for Transport (DfT)	**2018 - Present**
Expert Panel, Maritime 2050	
LOGMS Scientific Advisory Committee	**2016 - Present**
Elected Member	
Ports and Channels Committee, Transportation Research Board	**2014 - Present**
Research Coordinator, Committee Member	

UK Government Office of Science (UK-GoS)   **2017 - 2018**
Advisor, Future of Mobility Programme

UK Department for International Development (DFID)   **2017 - 2018**
Technical Advisory Panel, Applied Research Programme in High Volume Transport

PIANC - World Association for Waterborne Transport Infrastructure   **2016 - 2017**
UK Representative - Task Group 193, Resilience of Port and Maritime Infrastructure

National Planning Department, Colombia   **2016**
Advisor, National Logistics Masterplan

RESEARCH
GRANTS

Validating autonomous vehicle safety using simulation and adaptive test generation   **2018**
    £ 769,417   InnovateUK
A radical mode shift enabled by autonomous pods   **2018**
    £ 299,800   InnovateUK
Sustainable demand responsive transit schemes for developing countries   **2017**
    £   7,500   EPSRC *(Grant code: EP/P512655/1)*
NOx emissions estimation in real time   **2017**
    £ 301,200   InnovateUK *(Grant code: 103304)*
Optimisation of prefabricated construction (CASE)   **2017**
    £ 98,000   EPSRC, Rolls-Royce *(Grant code: 17000031)*
Kinetic energy recovery for urban logistics applications (KERS-URBAN)   **2016**
    £ 425,000   InnovateUK *(Grant code: 103253)*
Incident detection in shipping markets   **2016**
    £ 18,000   HEFCE
OVARE - Optimised Vehicle Autonomy for ride and emissions   **2015**
    £ 160,000   InnovateUK *(Grant code: 132275)*
Strategic Network - Cities as Complex Adaptive Systems   **2015**
    £ 10,160   ESRC *(Grant code: ES/N009436/1)*
Pathways to Impact Shipbroking Optimization Platforms   **2015**
    £ 74,888   EPSRC *(Grant code: EP/K503733/1)*
Digitally Enabling Electrification   **2013**
    £ 190,000   InnovateUK *(Grant code: 32016-235149)*
Postdoctoral Research Fellowship on Infrastructure Resilience   **2013**
    £ 10,000   JSPS
Optimisation of DfMA structures   **2013**
    £ 266,000   EPSRC *(Grant code: EP/L504683)*
Clean Last mile transport and logistics management   **2011**
    £ 107,957   European Commission *(Grant code: IEE10154)*
Robust and Stochastic Optimisation Methods for AGVs   **2008**
    £ 538,302   EPSRC *(Grant code: EP/F044895)*

Total research grants: £ 3,276,224

RESEARCH
CONTRACTS

Optimisation of Prefabrication Strategies for Nuclear Construction   **2017**
Bouygues Construction, France
Understanding the passenger transport road network through data   **2017**
Government Office of Science, United Kingdom
Development of the Colombian National Logistics Masterplan   **2016**
Ivarsson y Asociados, Colombia
Wuhan Yangtze River Maritime Cluster Masterplan   **2016**
National Development and Reform Commission, China
Optimisation of construction logistics operations   **2013**
Laing O' Rourke, United Kingdom
A universal infrastructure resilience assessment framework   **2012**
ARUP, United Kingdom
Global container shipping network modelling   **2011**
SITI Institute, Italy

Design and Detailed Simulation Analysis of automated check-in facilities		**2006**
P&O Ferries, United Kingdom		
Scoping study for the improved FORGE model		**2006**
Department for Transport, United Kingdom		
Throughput bottlenecks in container terminals		**2005**
P&O Ports, United Kingdom		

PHD THESIS SUPERVISION	**Qiming Ye**	**2018 - Present**
	Influence of Shared Mobility Platforms on Urban Planning	
	Roxanne Yaoyuan Zhang	**2017 - Present**
	Design of dynamic demand responsive transport systems	
	Tim Haughton	**2017 - Present**
	Optimisation of prefabricated construction	
	Leo Hsu	**2015 - Present**
	Flexible design of supply chains in the construction industry	
	Jose Escribano Macias	**2015 - Present**
	Strategic planning of post-disaster infrastructure repairs	
	Renos Karamanis	**2015 - Present**
	Infrastructure Resilience Modelling	
	Nils Goldbeck	**2014 - Present**
	Development of Urban Infrastructure resilience models	
	Nina Jirouskova	**2014 - Present**
	Quantitative analysis of container terminal recoveries from natural disasters	
	Dr Jung-Yong Seo	**2014 - 2017**
	Integrated routing and scheduling of free-ranging Automated Guided Vehicles	
	Dr Pablo Achurra	**2013 - 2017**
	Resilience of the global liner shipping network	
	Dr Wenlong Sang	**2012 - 2016**
	Reliability of highway network architectures	
	Dr Thalis Zis	**2012 - 2015**
	Environmental impact of port operations	
	Dr Sarah Noye	**2011 - 2016**
	Improved building services commissioning using wireless sensor networks	
	Dr Normen Rochau	**2009 - 2013**
	Capacity constraints in public transportation	
	Dr Hamed Nikhalat	**2008 - 2012**
	An operational model for LNG spot and arbitrage sales	
	Dr Xin Liu	**2008 - 2012**
	Port choice, a frequency-based container assignment model	
POSTOCTORAL RESEARCHERS	**Dr Eleftherios Anastasiadis**	**2018 - Present**
	Modelling of Shared Autonomous Vehicle Platforms	
	Dr Pablo Achurra-Gonzalez	**2017 - Present**
	Kinetic Energy Recovery Systems for Freight Vehicles	
	Dr Mino Woo	**2017 - Present**
	Emissions-based vehicle pricing models	
	Dr Daniel Ainalis	**2018 - Present**
	Kinetic Energy Recovery Systems for Freight Vehicles	
	Dr Juan Marcos Garcia de la Cruz Lopez	**2016 - 2017**
	Kinetic Energy Recovery Systems for Freight Vehicles	
	Dr Ali Niknejad	**2015 - 2016**
	Maritime Shipbroking Platforms	
	Dr Simon Hu	**2015 - 2017**
	Vehicle Emissions Monitoring and Simulation	
	Dr Bani Anvari	**2013 - 2016**
	DfMA for Nuclear Construction	

RESEARCH ADMINISTRATION

Editorial Board Memberships

Journal of Shipping and Trade - Editorial Board Member, Transportmetrica B - Guest Editor (Dynamic Modelling and Optimisation of Transportation Systems in the Connected Era)

Grant Proposal Reviews

Engineering and Physical Sciences Research Council (United Kingdom), Royal Society (United Kingdom), National Science Center (Poland), Japanese Society for the Promotion of Science (Japan), Archimedes & Thales Funding Programmes (Greece), Research Financing Directorate (Romania), Freight Mobility Research Institute (United States)

Book Proposal Reviews

ICE Publishing

Journal Manuscripts Reviews

Accident Analysis and Prevention, Advanced Engineering Informatics, Advanced Transportation, Automation in Construction, Computers & Operations Research, Engineering Applications of Artificial Intelligence, Flexible Services and Manufacturing, IEEE Transactions on Automation Science and Engineering, Industrial Engineering Theory Applications & Practice, Maritime Policy and Management, Operations Research, Physica A, Public Transport, Science of the Total Environment, Simulation Modelling Practice and Theory, Transportation, Transportation Planning and Technology, Transportation Research Part A Policy and Practice, Transportation Research Part B Methodological, Transportation Research Part C Emerging Technologies, Transportation Research Part D Transport and Environment, Transportation Research Part E Logistics and Transportation, Transportmetrica A

Conference Programme Committee Memberships

International Network Operations Conference, International Conference on Computational Logistics, Transport Research Board Annual Meeting, International Association of Maritime Economists, International IEEE Annual Conference on Intelligent Transportation Systems, Logistics and Maritime Systems

PhD CANDIDATES EXAMINED

Dr Sophie Damy *(Imperial College London)*	**2017**
Dr Mirreile El Hajj *(Imperial College London)*	**2017**
Dr Rui Sha *(University College London)*	**2017**
Dr Kuang-Chang Pien *(Imperial College London)*	**2015**
Dr Enrique Martin Alcade *(Universitat Politechnica de Catalonia)*	**2014**

TEACHING CONTRIBUTIONS

MSc in Transport,*Deputy Teaching Director*	**2013-present**
CI370 Transport Systems,*Module Coordinator*	**2012-present**
CI423 Operations Research,*Contributor*	**2012-present**
T24 Ports and Maritime Transport,*Module Coordinator*	**2012-present**
T20 Freight Transport,*Module Coordinator*	**2012-2017**
Advanced Programming for Finance,*Module Coordinator*	**2009-2012**

DISSERTATION SUPERVISION

2018 *MSc*: Qingyun Liu, Imashev Murat, Jiawen Shan, Yak Sin Wen, Zhou Wan, Liu Qingyun, Yak Sin Wen, Murat Imashev, Zhou Wan, Shan Jiawen *MEng*: Kisaanth Jeyarayan, Ioannis Tsipouras *UROP*: Iulia Manole, Olivia Revans, Carl Khalife

2017 *MSc*: Mario Abou Farhat, Simone Charles Severin, Adrien Callet, Dimitrios Demeroukas, Ponn Chalermwongsawej, Guanjin Chen *MEng*: Naveeth Basheer, Tim Haughton, Khaled Abdulhamid, Anna Feledi *UROP*: Nisansa Igalawithana

2016 *MSc*: Qiyu Sun, Carlos Estaban Piola Ruiz, Andreas Kaloterakis, Ivo Keranov, Linda Ivarsson, Wang Yue *MEng*: Ali Reza Baygi, Mohamed Gaafar, Kishan Patel, Giannis Slimpi *UROP*: Anna Feledi

2015 *MSc*: Konstantinos Simotas *MEng*: Nicholas Wong, Javier Mnroig Vives, Jose Escribano, Jae Yung, Alexandros Abadjis *UROP*: Muhamad Haji Kasri

2014 *MSc*: Cecilia Thordadottir, Matteo Novatti, Andrew Elwood, Gift Arnongant, Apostolos Ziakopoulos, Suqi Shi *MEng*: Elena Ochoa Garcia, Tamara Brooks

2013 *MSc*: Shuxuan Gong

2012 *MSc*: Ioanna Karelia *MEng*: Bernadette Lee

2011	*MSc*: Dimitris Papadopoulos, Qinq Zhao
2010	*MEng*: Paul Corry
2009	*MSc*: Tzu-Yau Chuang, Zhiting Tao *MEng*: James Pocknell
2008	*MSc*: Melina Zarouka *MEng*: Richard Stagg
2007	*MEng*: Tarun Rao, Indragura Win
2006	*UROP*: Simon Fayer

PUBLICATIONS

J20.   Pei-Yuan Hsu, Panagiotis Angeloudis, and Marco Aurisicchio. "Optimal logistics planning for modular construction using two-stage stochastic programming". *Automation in Construction* 94 (2018). DOI: `10.1016/j.autcon.2018.05.029`.

J19.   Nikhalat-Jahromi H, Angeloudis P, Bell MGH, and Cochrane RA. "Global LNG trade: A comprehensive up to date analysis". *Maritime Economics and Logistics* 19.1 (2017). DOI: `10.1057/mel.2015.26`.

J18.   Shang W, Han K, Ochieng WY, and Angeloudis P. "Agent-based day-to-day traffic network model with information percolation". *Transportmetrica A: Transport Science* 13.1 (2017). DOI: `10.1080/23249935.2016.1209254`.

J17.   Anvari B, Bell MGH, Angeloudis P, and Ochieng WY. "Calibration and validation of a shared space model: Case Study". *Transportation Research Record* 2588 (2016). DOI: `10.3141/2588-05`.

J16.   Anvari B, Angeloudis P, and Ochieng WY. "A multi-objective GA-based optimisation for holistic Manufacturing, transportation and Assembly of pre-cast construction". *Automation in Construction* 71.2 (2016). DOI: `10.1016/j.autcon.2016.08.007`.

J15.   Nikhalat-Jahromi H qnd Bell MGH, Fontes DBMM, Cochrane RA, and Angeloudis P. "Spot sale of uncommitted LNG from Middle East: Japan or the UK?" *Energy Policy* 96 (2016). DOI: `10.1016/j.enpol.2016.06.027`.

J14.   Briskorn D and Angeloudis P. "Scheduling co-operating stacking cranes with predetermined container sequences". *Discrete Applied Mathematics* 201 (2016). DOI: `10.1016/j.dam.2015.07.042`.

J13.   Angeloudis P, Greco L, and Bell MGH. "Strategic maritime container service design in oligopolistic markets". *Transportation Research Part B: Methodological* 90 (2016). DOI: `10.1016/j.trb.2016.04.010`.

J12.   Zis T, Angeloudis P, Bell MGH, and Psaraftis HN. "Payback period for emissions abatement alternatives: Role of regulation and fuel prices". *Transportation Research Record* 2549 (2016). DOI: `10.3141/2549-05`.

J11.   Achurra-Gonzalez PE, Novati M, Foulser-Piggott R, Graham DJ, Bowman G, Bell MGH, and Angeloudis P. "Modeling the impact of liner shipping network perturbations on container cargo routing: South-east Asia to Europe application". *Accident Analysis and Prevention* (2015). DOI: `10.1016/j.aap.2016.04.030`.

J10.   Zis T, North R, Angeloudis P, Ochieng WY, and Bell MGH. "Environmental Balance of Shipping Emissions Reduction Strategies". *Transportation Research Record: Journal of the Transportation Research Board* 2479 (2015), pp. 25–33. DOI: `10.3141/2479-04`.

J9.   Bell MGH Angeloudis P Hu J. "A strategic repositioning algorithm for bicycle-sharing schemes". *Transportmetrica A: Transport Science* 10.8 (2014). DOI: `10.1080/23249935.2014.884184`.

J8.   Anvari B, Bell MGH, Angeloudis P, and Ochieng WY. "Long-range collision avoidance for shared space simulation based on social forces". *Transportation Research Procedia* 2 (2014). DOI: `10.1016/j.trpro.2014.09.023`.

J7.   Zis T, North RJ, Angeloudis P, Ochieng WY, and Bell MGH. "Environmental balance of shipping emissions reduction strategies". *Transportation Research Record* 2479 (2014). DOI: `10.3141/2479-04`.

J6.   Zis T, North RJ, Angeloudis P, Ochieng WY, and Bell MGH. "Evaluation of cold ironing and speed reduction policies to reduce ship emissions near and at ports". *Maritime Economics and Logistics* 16.4 (2014). DOI: `10.1057/mel.2014.6`.

J5.   Bell MGH, Liu X, Rioult J, and Angeloudis P. "A cost-based maritime container assignment model". *Transportation Research Part B: Methodological* 58.8 (2013), pp. 58–70. DOI: `10.1016/j.trb.2013.09.006`.

J4.   Bell GH, Liu X, Angeloudis P, Fonzone A, and Haji Hosseinloo S. "A frequency-based maritime container assignment model". *Transportation Research Part B: Methodological* 45.8 (2011), pp. 1152 –1161. DOI: `10.1016/j.trb.2011.04.002`.

J3.   Angeloudis P and Bell MGH. "A review of container terminal simulation models". *Maritime Policy and Management* 38.5 (2011), pp. 523–540. DOI: `10.1080/03088839.2011.597448`.

J2. Angeloudis P and Bell MGH. "An uncertainty-aware AGV assignment algorithm for automated container terminals". *Transportation Research Part E: Logistics and Transportation Review* 46.3 (2010). DOI: 10.1016/j.tre.2009.09.001.

J1. Angeloudis P and Fisk D. "Large subway systems as complex networks". *Physica A: Statistical Mechanics and its Applications* 367 (2006), pp. 553–558. DOI: 10.1016/j.physa.2005.11.007.

BOOK CHAPTERS

B7. Anvari B, Ziakopoulos A, Morley J, Pachakis D, and Angeloudis P. "Comparison of Fleet Size Models for Horizontal Transportation of Shipping Containers using Automated Straddle Carriers". *Handbook of Terminal Planning*. 2018.

B6. Goldbeck N, Angeloudis P, and Ochieng WY. "A dynamic network flow model for interdependent infrastructure and supply chain networks with uncertain asset operability". *Lecture Notes in Computer Science*. Vol. 10572 LNCS. 2017. DOI: 10.1007/978-3-319-68496-3_34.

B5. Goldbeck N, Angeloudis P, and Ochieng WY. "Building Sustainable and Resilient Infrastructure to Support Future Cities". *Defining the Urban: Interdisciplinary and Professional Perspectives*. Routledge, 2017.

B4. Hsu PY, Aurisicchio M, and Angeloudis P. "Establishing outsourcing and supply chain plans for prefabricated construction projects under uncertain productivity". *Lecture Notes in Computer Science*. Vol. 10572 LNCS. 2017. DOI: 10.1007/978-3-319-68496-3_35.

B3. Zis T, Angeloudis P, and Bell MGH. "Economic and environmental trade-offs in water transportation". *Green Logistics and Transportation: A Sustainable Supply Chain Perspective*. 2015. ISBN: 9783319171814. DOI: 10.1007/978-3-319-17181-4_10.

B2. Angeloudis P, Bichou K, and Bell MGH. "Security and reliability of the liner container-shipping network: Analysis of robustness using a complex network framework". *Risk Management in Port Operations, Logistics and Supply-Chain Security*. 2013. DOI: 10.4324/9781315850504.

B1. Kanturska U and Angeloudis P. "Introduction to network theory and game theory as frameworks for the analysis of critical infrastructure". *Infrastructure Risk and Resilience: Transportation*. 2013, pp. 22–28. DOI: 10.1049/PERIRR3E_ch3.

CONFERENCES

C51. Goldbeck N, Angeloudis P and Ochieng WY. "A flow-based resilience assessment method for interdependent urban infrastructure networks". *International Conference on Infrastructure Resilience* (2018), Zurich, Switzerland

C50. Goldbeck N, Angeloudis P and Ochieng WY. "A flow-based resilience assessment method for interdependent urban infrastructure networks". *International Conference on Infrastructure Resilience* (2018), Zurich, Switzerland

C49. Goldbeck N, Angeloudis P and Ochieng WY. "Modelling the Dynamics of Asset Operability and Network Flows in Interdependent Infrastructure Systems after Disruptive Events". *International Conference on Dynamics of Disasters* (2017), Kalamata, Greece

C48. Goldbeck N, Angeloudis P and Ochieng WY. "A dynamic network flow model for interdependent infrastructure and supply chain networks with uncertain asset operability". *International Conference on Computational Logistics* (2017), Southampton, United Kingdom

C47. Hsu PY, Aurisicchio M and Angeloudis P. "Supply Chain Design for Modular Construction Projects". *LC3* (2017), Heraklion, Greece

C46. Hsu PY, Aurisicchio M and Angeloudis P. "Establishing outsourcing and supply chain plans for prefabricated construction projects under uncertain productivity". *ICCL* (2017), Southampton, United Kingdom

C45. Hsu PY, Aurisicchio M and Angeloudis P. "Investigating Schedule Deviation in Construction Projects through Root Cause Analysis". *ProjMan* (2017), Barcelona, Spain

C44. Escribano J, Angeloudis P and Ochieng W. "Rapid Urban Evacuation across Constrained Transport Networks". *TRB* (2017), Washington, United States

C43. Angeloudis P, Hu S, Achurra-Gonzalez P. "Intermodal container transport vulnerability". *LOGMS* (2017), Bergen, Norway

C42. Escribano J, Angeloudis P and Ochieng WY. "Integrated Trajectory Optimisation and LocationRouting Method for Rapid Medical Deliveries using Unmanned Aerial Vehicles (UAVs)". *Dynamics of Disasters* (2017), Kalamata, Greece

C41. Goldbeck N, Ochieng W and Angeloudis P. "Joint Vulnerability Analysis of Urban Rail Transit and Utility Networks". *TRB* (2016), Washington, United States

C40. Anvari B, Ochieng W, Bell MGH and Angeloudis P. "Calibration and Validation of a Shared Space Model, A Case Study". *TRB* (2016), Washington, United States

C39. Achurra-Gonzalez P and Angeloudis P. "A quantitative framework for the assessment of network vulnerability in liner shipping networks". *TRB* (2016), Washington, United States

C38. Zavitsas K, Hu S and Angeloudis P. "Assessing Autonomous Vehicles Impact On Urban Traffic Emissions and Intersection Performance". *TRB* (2016), Washington, United States

C37. Angeloudis P. "Resilience of Liner Shipping Networks". *GPRA* (2016), Hamburg, Germany

C36. Zis T, Angeloudis P and Bell MGH. "The environmental balance of vessel emission strategies". *TRB* (2016), Washington, United States

C35. Niknejad A, Angeloudis A, Achurra-Gonzalez P and Tsigkakos V. "Analysing World Events Using the GDELT dataset and Google BigQuery". *UK Research Software Engineering Conference* (2016), Manchester, United Kingdom

C34. Goldbeck N and Angeloudis P. "Analysing the resilience of metro systems under consideration of interdependencies". *WCTR* (2016), Shanghai, China

C33. Achurra-Gonzalez P, Angeloudis A, Niknejad A, Graham D. "Attacker-defender modelling of transport vulnerability in maritime logistics corridors". *2nd International Workshop on Maritime Flows and Networks* (2016), Paris, France

C32. Angeloudis P. "Maritime Networks Flows and Games". *2nd International Workshop on Maritime Flows and Networks* (2016), Paris, France

C31. Angeloudis P. "Urban resilience modelling using network flows". *TRB* (2015), Washington, United States

C30. Angeloudis P, Greco L and Bell MGH. "Strategic Maritime Container Transport Design in Oligopolistic Markets". *ISTTT21* (2015), Kobe, Japan

C29. Zis T, North R, Angeloudis P, Ochieng WYO, Bell MGH. "The environmental balance of vessel emission strategies". *TRB* (2015), Washington, United States

C28. Achurra-Gonzalez P and Angeloudis P. "Regional conflicts and impact of liner shipping". *GPRA* (2015), PolyU, Hong Kong

C27. Pachakis D and Angeloudis P. "Equipment Sizing using Petri Nets". *GPRA* (2015), PolyU, Hong Kong

C26. Novati M, Achurra-Gonzalez P and Angeloudis P. "Modelling the effects of port disruptions". *TRB* (2015), Washington, United States

C25. Goldbeck N, Ochieng W and Angeloudis P. "Analysis of cascading failures across interdependent dynamic networks". *EURO* (2015), Glasgow, United Kingdom

C24. Anvari B, Angeloudis P and Ochieng WYO. "Long-range Collision Avoidance for Shared Space Simulation based on Social Forces". *PED* (2014), Delft, Netherlands

C23. Anvari B, Angeloudis P and Ochieng WY. "Analysis of Prefabricated Urban Housing Constructions on Freight Transport Systems". *INFORMS* (2014), San Diego, United States

C22. Zis T, North R, Angeloudis P, Ochieng WYO and MGH Bell. "The effects of speed reduction policies near ports". *TRB* (2014), Washington, United States

C21. Karamanis R, Angeloudis P and Stettler M. "A Fleet Size Algorithm for Autonomous Vehicle Fleets". *TRB* (2017), Washington, United States

C20. Angeloudis P and Greco L. "Strategic network design in an oligopolistic market for maritime container transport". *EURO* (2013), Rome, Italy

C19. Zis T, North R, Angeloudis P and Bell MGH. "A systematic evaluation of alternative options for the reduction of vessel emissions in ports". *TRB* (2013), Washington, United States

C18. Angeloudis P, Jun H and Bell MGH. "A strategic repositioning algorithm for bicycle-sharing schemes". *TRB* (2012), Washington, United States

C17. Bell MGH and Angeloudis P. "Repositioning algorithms for the global containership assignment network". *IFORS* (2011), Melbourne, Australia

C16. Angeloudis P and Bell MGH. "A frequency-based maritime container assignment model for global liner services". *TRB* (2011), Washington, United States

C15. Klerides E and Angeloudis P. "Stochastic and deterministic assignment under uncertainty for automated container terminals". *IFORS* (2011), Melbourne, Australia

C14. Angeloudis P and Bell MGH. "Simulation and optimisation for the next generation of automated container terminals". *FACT* (2011), London, United Kingdom

C13. Angeloudis P and Bell MGH. "Repositioning algorithms for bike sharing schemes". *UTSG* (2011), Milton Keynes, United Kingdom

C12. Angeloudis P and Bell MGH. "A frequency-based maritime container assignment model for global liner services". *TRB* (2011), Washington, United States

C11. Bell MGH and Angeloudis P. "Future for the Automation of Container Terminals". *LOGMS* (2010), Busan, South Korea

C10. Angeloudis P, Bell MGH, Klerides E and Hadjiconstantinou E. "Stack Operation Uncertainty in Automated Container Terminals - Effects, Challenges and Control Techniques". *IAME* (2010), Lisbon, Portugal

C9. Klerides E, Hadjiconstantinou E, Angeloudis P and Bell MGH. "Modelling and solution approaches to the multi-load AGV dispatching problem in seaport container Terminals". *IAME* (2010), Lisbon, Portugal

C8. Angeloudis P and Bell MGH. "A fresh look at container terminal simulation and its application in academic research". *IAME* (2009), Copenhagen, Denmark

C7. Bell MGH and Angeloudis P. "The Future of Automation". *5th PorTech Conference* (2009), Shanghai, China

C6. Angeloudis P and Bell MGH. "Assignment of Multi-load AGVs under Uncertainty". *INFORMS* (2009), San Diego, United States

C5. Angeloudis P and Bell MGH. "Uncertainty in container terminal operations". *IFORS* (2008), Johannesburg, South Africa

C4. Ahuja S, Angeloudis P and Bell MGH. "Simulation and Evaluation of Intelligent Check in Facilities for Ferry Port Terminals". *European Transport Conference* (2007), Leiden, Netherlands

C3. Angeloudis P and Bell MGH. "Optimisation Techniques to Automated Container Terminals, Application of Robust Optimisation". *UTSG* (2007), Harrogate', United Kingdom

C2. Angeloudis P and Bell MGH. "Implementation of an Automated Guided Vehicle dispatching and scheduling framework using robust optimisation". *INFORMS* (2007), Seattle, United States

C1. Angeloudis P, Bichou K, Bell MGH and Fisk D. "Security and Reliability of the Liner Container-Shipping Network". *IAME* (2006), Melbourne, Australia

Invited Talks

T21. Jacobs (2017)."*Autonomous Vehicles and Connected Transport Technologies*" London, United Kingdom

T20. Department for Transport (2017)."*Impact of World Events to Maritime Transport*" London, United Kingdom

T19. Future Cities Catapult (2017)."*Innovation in Urban Infrastructure and Operations*" London, United Kingdom

T18. Tongji University (2017)."*Ridesharing System Design*" Shanghai, China

T17. National Development and Reform Commission (2017)."*Network Analysis of the Wuhan Logistics Cluster*" Beijing, China

T16. National Planning Department (2016).*"Freight Network Modelling for the Colombia National Logistics Masterplan"* Bogota, Colombia

T15. CNRS (2016).*"Maritime Networks Flows and Games"* Paris, France

T14. University of Sydney (2016).*"Flow assignment for empty and full containers"* Sydney, Australia

T13. University of Manchester (2016).*"Transport & Urban Complexity"* Manchester, United Kingdom

T12. Department for Transport (2016).*"Port Resilience and Shipping Network Models"* London, United Kingdom

T11. Dean's Forum (2015).*"Resilience modelling using network flows"* University of Tokyo, Japan

T10. ARUP (2014).*"Network Modelling for Urban Infrastructure"* London, United Kingdom

T9. PD Ports (2014).*"Port Operations Modelling"* Middlesbrough, United Kingdom

T8. Laing O' Rourke (2014).*"Dynamic Supply Chain Network Design"* London, United Kingdom

T7. Kyoto University (2013).*"Resilience of Metro Networks"* Kyoto, Japan

T6. Tokyo Institute of Technology (2013).*"A strategic redistribution algorithm for bicycle sharing schemes"* Tokyo, Japan

T5. Tohoku University (2013).*"Strategic Infrastructure Resilience Modelling"* Sendai, Japan

T4. MINES ParisTech (2013).*"Transport Infrastructure and Climate Change"* Paris, France

T3. Dean's Forum (2012).*"Resilience of Urban Infrastructure"* University of Tokyo, Japan

T2. EC eFreight Consortium (2010).*"Container Terminal Optimization and Simulation"* Athens, Greece

T1. Lloyd's Maritime Academy (2008).*"State of Container Terminal Automation"* London, United Kingdom

MEDIA COVERAGE
Seatrade Maritime (April 2018).*"UK Government sets up think tank on future of maritime"*
Splash 247 (March 2018).*"UK government assembles top maritime advisory panel"*
Tanker Shipping and Trade (March 2018).*"Head of Shell shipping & maritime appointed to UK government maritime strategy dream team"*
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