

# Panagiotis Angeloudis

PHD, MEng, DIC, ACGI, MCILT

Senior Lecturer in Transport Systems & Logistics

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## CONTACT INFORMATION

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Imperial College London  
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## 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  
Member, 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**  
**United Nations**, Geneva, Switzerland  
*Graduate Intern* **May - Aug 2006**  
**P&O Ports**, Southampton, United Kingdom  
*Analyst* **Jul - Sep 2005**

## PROFESSIONAL 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 & Environmental Engineering (First Class Honours)* **Oct 2001 - Jun 2005**

## COMMITTEES & ADVISORY

**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	<b>A radical mode SHIFT enabled by autonomous pods</b>	2018
	£ 299,800 InnovateUK	
	<b>Sustainable demand responsive transit schemes for developing countries</b>	2017
	£ 7,500 EPSRC	
	<b>NOx emissions estimation in real time</b>	2017
	£ 301,200 InnovateUK ( <i>Grant code: 103304</i> )	
	<b>Optimisation of prefabricated construction (CASE)</b>	2017
	£ 98,000 EPSRC, Rolls-Royce ( <i>Grant code: 17000031</i> )	
	<b>Kinetic energy recovery for urban logistics applications (KERS-URBAN)</b>	2016
	£ 425,000 InnovateUK ( <i>Grant code: 103253</i> )	
	<b>Incident detection in shipping markets</b>	2016
	£ 18,000 HEFCE	
	<b>OVARE - Optimised Vehicle Autonomy for Ride and Emissions</b>	2015
	£ 160,000 InnovateUK ( <i>Grant code: 132275</i> )	
	<b>Strategic Network - Cities as Complex Adaptive Systems</b>	2015
	£ 10,160 ESRC ( <i>Grant code: ES/N009436/1</i> )	
	<b>Pathways to Impact Shipbroking Optimization Platforms</b>	2015
	£ 74,888 EPSRC ( <i>Grant code: EP/K503733/1</i> )	
	<b>Digitally Enabling Electrification</b>	2013
	£ 190,000 InnovateUK ( <i>Grant code: 32016-235149</i> )	
<b>Postdoctoral Research Fellowship on Infrastructure Resilience</b>	2013	
£ 10,000 JSPS		
<b>Optimisation of DfMA structures</b>	2013	
£ 266,000 EPSRC ( <i>Grant code: EP/L504683</i> )		
<b>Clean Last mile transport and logistics management</b>	2011	
£ 107,957 European Commission ( <i>Grant code: IEE10154</i> )		
<b>Robust and Stochastic Optimisation Methods for AGVs</b>	2008	
£ 538,302 EPSRC ( <i>Grant code: EP/F044895</i> )		
<i>Total research grants: £ 2,506,807</i>		
RESEARCH CONTRACTS	<b>Optimisation of Prefabrication Strategies for Nuclear Construction</b>	2017
	£ 68,000 Bouygues Construction, France	
	<b>Understanding the passenger road network through data</b>	2017
	£ 10,000 Government Office of Science, United Kingdom	
	<b>Development of the Colombian National Logistics Masterplan</b>	2016
	£ 15,000 Ivarsson & Asociados, Colombia	
	<b>Wuhan Yangtze River Maritime Cluster Masterplan</b>	2016
	£ 44,000 National Development and Reform Commission, China	
	<b>Optimisation of construction logistics operations</b>	2013
	£ 36,000 Laing O' Rourke, United Kingdom	
	<b>A universal infrastructure resilience assessment framework</b>	2012
	£ 25,000 ARUP, United Kingdom	
	<b>Global container shipping network modelling</b>	2011
	£ 15,000 SITI Institute, Italy	
	<b>Design and Detailed Simulation Analysis of automated check-in</b>	2006
£ 15,000 Department for Transport, United Kingdom		
<b>Scoping study for the improved FORGE model</b>	2006	
£ 2,000 P&O Ferries, United Kingdom		
<b>Throughput bottleneck analysis in container terminals</b>	2005	
£ 2,800 P&O Ports, United Kingdom		
<i>Total research contracts: £ 232,800</i>		
PHD THESIS SUPERVISION	<b>Haughton, Tim</b>	2017 - Present
	<i>Optimisation of prefabricated construction</i>	
	<b>Jayum, Kimberly</b>	2016 - Present
	<i>Risk of Autonomous Vehicle Operations</i>	

<b>Hsu, Leo</b> <i>Flexible design of supply chains in the construction industry</i>	2015 - Present
<b>Escribano, Jose</b> <i>Strategic planning of post-disaster infrastructure repairs</i>	2015 - Present
<b>Karamanis, Renos</b> <i>Infrastructure Resilience Modelling</i>	2015 - Present
<b>Goldbeck, Nils</b> <i>Development of Urban Infrastructure resilience models</i>	2014 - Present
<b>Seo, Jung-Yong</b> <i>Integrated routing and scheduling of free-ranging Automated Guided Vehicles</i>	2014 - Present
<b>Achurra, Pablo</b> <i>Resilience of the global liner shipping network.</i>	2013 - 2017
<b>Sang, Wenlong</b> <i>Reliability of highway network architectures</i>	2012 - 2016
<b>Thalis Zis</b> <i>Environmental impact of port operations</i>	2012 - 2015
<b>Noye, Sarah</b> <i>Improved building services commissioning using wireless sensor networks</i>	2011 - 2016
<b>Rochau, Normen</b> <i>Capacity constraints in public transportation</i>	2009 - 2013
<b>Nikhalat, Hamed</b> <i>An operational model for LNG spot and arbitrage sales</i>	2008 - 2012
<b>Liu, Xin</b> <i>Port choice, a frequency-based container assignment model</i>	2008 - 2012

POSTDOCTORAL  
RESEARCHERS

<b>Dr Mino Woo</b> <i>Emissions-based vehicle pricing models</i>	2017 - present
<b>Dr Pablo Achurra-Gonzalez</b> <i>Kinetic Energy Recovery Systems for Freight Vehicles</i>	2017 - present
<b>Dr Juan Marcos Garcia de la Cruz Lopez</b> <i>Kinetic Energy Recovery Systems for Freight Vehicles</i>	2016 - 2017
<b>Niknejad, Ali</b> <i>Maritime Shipbroking Platforms</i>	2015 - 2016
<b>Hu, Simon</b> <i>Vehicle Emissions Monitoring and Simulation</i>	2015 - 2017
<b>Anvari, Bani</b> <i>DfMA for Nuclear Construction</i>	2013 - 2016
<b>Ye, Hao</b> <i>Spatial Models for Urban Resilience</i>	2013 - 2014

RESEARCH  
ADMINISTRATION

**Grant Proposal Reviews**

*Royal Society (United Kingdom), Japanese Society for the Promotion of Science (Japan), Archimedes & Thales Funding Programmes (Greece), Research Financing Directorate (Romania)*

**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 Manuscript Reviews**

*International Network Operations Conference, Transport Research Board Annual Meeting, International IEEE Annual Conference on Intelligent Transportation Systems, Logistics and Maritime Systems*

PHD CANDIDATES EXAMINED	<b>Dr Sophie Damy</b> ( <i>Imperial College London</i> )	<b>2017</b>
	<b>Dr Mirreile El Hajj</b> ( <i>Imperial College London</i> )	<b>2017</b>
	<b>Dr Rui Sha</b> ( <i>University College London</i> )	<b>2017</b>
	<b>Dr Kuang-Chang Pien</b> ( <i>Imperial College London</i> )	<b>2015</b>
	<b>Dr Enrique Martin Alcade</b> ( <i>Universitat Politecnica de Catalonia</i> )	<b>2014</b>
TEACHING CONTRIBUTIONS	<b>MSc in Transport</b> , <i>Deputy Teaching Director</i>	<b>2013-present</b>
	<b>CI370 Transport Systems</b> , <i>Module Coordinator</i>	<b>2012-present</b>
	<b>CI423 Operations Research</b> , <i>Contributor</i>	<b>2012-present</b>
	<b>T24 Ports and Maritime Transport</b> , <i>Module Coordinator</i>	<b>2012-present</b>
	<b>T20 Freight Transport</b> , <i>Module Coordinator</i>	<b>2012-2017</b>
	<b>Advanced Programming for Finance</b> , <i>Module Coordinator</i>	<b>2009-2012</b>
DISSERTATION SUPERVISION	<b>2018</b> <i>MSc</i> : Liu Qingyun, Yak Sin Wen, Murat Imashev, Zhou Wan, Shan Jiawen <i>MEng</i> : Kisaanth Jeyarayan, Ioannis Tsiouras	
	<b>2017</b> <i>MSc</i> : Mario Abou Farhat, Simone Charles Severin, Adrien Callet, Dimitrios Demeroukas, Ponn Chalermwongsawej, Guanjin Chen <i>MEng</i> : Naveeth Basheer, Tim Houghton, Khaled Abdulhamid, Anna Feledi <i>UROP</i> : Nisansa Igalawithana	
	<b>2016</b> <i>MSc</i> : Qiyu Sun, Carlos Estaban Piola Ruiz, Andreas Kaloterakis, Ivo Keranov, Linda Ivarsson, Wang Yue <i>MEng</i> : Ali Reza Baygi, Mohamed Gaafar, Kishan Patel, Giannis Slimpi <i>UROP</i> : Anna Feledi	
	<b>2015</b> <i>MSc</i> : Konstantinos Simotas <i>MEng</i> : Nicholas Wong, Javier Mnroig Vives, Jose Escribano, Jae Yung, Alexandros Abadjis <i>UROP</i> : Muhamad Haji Kasri	
	<b>2014</b> <i>MSc</i> : Cecilia Thordadottir, Matteo Novatti, Andrew Elwood, Gift Arnongant, Apostolos Ziakopoulos, Suqi Shi <i>MEng</i> : Elena Ochoa Garcia, Tamara Brooks	
	<b>2013</b> <i>MSc</i> : Shuxuan Gong	
	<b>2012</b> <i>MSc</i> : Ioanna Karelia <i>MEng</i> : Bernadette Lee	
	<b>2011</b> <i>MSc</i> : Dimitris Papadopoulos, Qinq Zhao	
	<b>2010</b> <i>MEng</i> : Paul Corry	
	<b>2009</b> <i>MSc</i> : Tzu-Yau Chuang, Zhiting Tao <i>MEng</i> : James Pocknell	
	<b>2008</b> <i>MSc</i> : Melina Zarouka <i>MEng</i> : Richard Staggs	
	<b>2007</b> <i>MEng</i> : Tarun Rao, Indragura Win	
	<b>2006</b> <i>UROP</i> : Simon Fayer	
PUBLICATIONS	J18. Nikhalat-Jahromi H, Angeloudis P, Bell MGH, and Cochrane RA. "Global LNG trade: A comprehensive up to date analysis oa". <i>Maritime Economics and Logistics</i> 19.1 (2017). ISSN: 1479294X. DOI: 10.1057/me1.2015.26.	
	J17. Shang W, Han K, Ochieng WY, and Angeloudis P. "Agent-based day-to-day traffic network model with information percolation". <i>Transportmetrica A: Transport Science</i> 13.1 (2017). DOI: 10.1080/23249935.2016.1209254.	
	J16. Anvari B, Bell MGH, Angeloudis P, and Ochieng WY. "Calibration and validation of a shared space model: Case Study". <i>Transportation Research Record</i> 2588 (2016). DOI: 10.3141/2588-05.	
	J15. Anvari B, Angeloudis P, and Ochieng WY. "A multi-objective GA-based optimisation for holistic Manufacturing, transportation and Assembly of precast construction". <i>Automation in Construction</i> 71.Part 2 (2016). DOI: 10.1016/j.autcon.2016.08.007.	
	J14. 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?" <i>Energy Policy</i> 96 (2016). DOI: 10.1016/j.enpol.2016.06.027.	
	J13. Briskorn D and Angeloudis P. "Scheduling co-operating stacking cranes with predetermined container sequences". <i>Discrete Applied Mathematics</i> 201 (2016). DOI: 10.1016/j.dam.2015.07.042.	
	J12. Angeloudis P, Greco L, and Bell MGH. "Strategic maritime container service design in oligopolistic markets". <i>Transportation Research Part B: Methodological</i> 90 (2016). DOI: 10.1016/j.trb.2016.04.010.	
	J11. Zis T, Angeloudis P, Bell MGH, and Psaraftis HN. "Payback period for emissions abatement alternatives: Role of regulation and fuel prices". <i>Transportation Research Record</i> 2549 (2016). DOI: 10.3141/2549-05.	

- J10. Achurra-Gonzalez PE, Novati M, Foulser-Piggott R, Graham DJ, Bowman G, Bell MGH, and Angeloudis P. “Modelling the impact of liner shipping network perturbations on container cargo routing: Southeast Asia to Europe application”. *Accident Analysis and Prevention* (2015). DOI: 10.1016/j.aap.2016.04.030.
- J9. 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.
- J8. Bell MGH Angeloudis P Hu J. “A strategic repositioning algorithm for bicycle-sharing schemes”. *Transportmetrica A: Transport Science* 10.8 (2014). ISSN: 23249943. DOI: 10.1080/23249935.2014.884184.
- J7. Zis T, North RJ, Angeloudis P, Ochieng WY, and Bell MGH. “Environmental balance of shipping emissions reduction strategies”. 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

- B6. Goldbeck N, Angeloudis P, and Ochieng WY. *A dynamic network flow model for interdependent infrastructure and supply chain networks with uncertain asset operability*. 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*. Routledge, 2017.
- B4. Hsu PY, Aurisicchio M, and Angeloudis P. *Establishing outsourcing and supply chain plans for prefabricated construction projects under uncertain productivity*. 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*. 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*. 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*. Sector Publications. Institution of Engineering and Technology, 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 Location Routing 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
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