

Der-Horng Lee
SCI-Indexed Publication List
2012 - 2017

1. C.L. Azevedo, K. Marczuk, S. Raveau, H. Soh, M. Adnan, K. Basak, H. Loganathan, N. Deshmunkh, D.H. Lee, E. Frazzoli and M. Ben-Akiva, "Microsimulation of Demand and Supply of Autonomous Mobility On Demand", *Transportation Research Record*, 21-30 (2016).
2. J.H. Chen, D.H. Lee and J.X. Cao, "A combinatorial benders' cuts algorithm for the quayside operation problem at container terminals", *Transportation Research Part E-Logistics and Transportation Review* 48, 266-275 (2012).
3. J.H. Chen, D.H. Lee and M. Goh, "An effective mathematical formulation for the unidirectional cluster-based quay crane scheduling problem", *European Journal of Operational Research* 232, 198-208 (2014).
4. J.G. Jin, D.H. Lee and J.X. Cao, "Storage Yard Management in Maritime Container Terminals", *Transportation Science* 50, 1300-1313 (2016).
5. J.G. Jin, D.H. Lee and H. Hu, "Tactical berth and yard template design at container transshipment terminals: A column generation based approach", *Transportation Research Part E-Logistics and Transportation Review* 73, 168-184 (2015).
6. J.G. Jin, L.C. Tang, L.J. Sun and D.H. Lee, "Enhancing metro network resilience via localized integration with bus services", *Transportation Research Part E-Logistics and Transportation Review* 63, 17-30 (2014).
7. J.G. Jin, J. Zhao and D.H. Lee, "A column generation based approach for the Train Network Design Optimization problem", *Transportation Research Part E-Logistics and Transportation Review* 50, 1-17 (2013).
8. D.H. Lee and Y.F. Fu, "Cross-Entropy Optimization Model for Population Synthesis in Activity-Based Microsimulation Models", *Transportation Research Record*, 20-27 (2011).
9. D.H. Lee and J.G. Jin, "Feeder vessel management at container transshipment terminals", *Transportation Research Part E-Logistics and Transportation Review* 49, 201-216 (2013).
10. D.H. Lee, J.G. Jin and J.H. Chen, "Integrated Bay Allocation and Yard Crane Scheduling Problem for Transshipment Containers", *Transportation Research Record*, 63-71 (2011).
11. D.H. Lee, J.G. Jin and J.H. Chen, "Schedule Template Design and Storage Allocation for Cyclically Visiting Feeders in Container Transshipment Hubs", *Transportation Research Record*, 87-95 (2012).
12. D.H. Lee, J.G. Jin and J.H. Chen, "Terminal and yard allocation problem for a container transshipment hub with multiple terminals", *Transportation Research Part E-Logistics and Transportation Review* 48, 516-528 (2012).
13. D.H. Lee, X. Wu and L.J. Sun, "Limited Information-Sharing Strategy for Taxi-Customer Searching Problem in Nonbooking Taxi Service", *Transportation Research Record*, 46-54 (2013).
14. D. Lee and J. Jin, "Feeder vessel management at container transshipment terminals", *Transportation Research Part E-Logistics and Transportation Review* 49, 201-216 (2013).

15. D. Lee, J. Jin and J. Chen, "Schedule Template Design and Storage Allocation for Cyclically Visiting Feeders in Container Transshipment Hubs", *Transportation Research Record*, 87-95 (2012).
16. S.Y. Li and D.H. Lee, "Learning daily activity patterns with probabilistic grammars", *Transportation* 44, 49-68 (2017).
17. K.A. Marczuk, H.S.S. Hong, C.M.L. Azevedo, M. Adnan, S.D. Pendleton, E. Frazzoli, D.H. Lee and Ieee, "Autonomous Mobility on Demand in SimMobility: Case Study of the Central Business District in Singapore", *Proceedings of the 2015 7th Ieee International Conference on Cybernetics and Intelligent Systems (Cis) and Robotics, Automation and Mechatronics (Ram)*, 167-172 (2015).
18. K.A. Marczuk, H.S.H. Soh, C.M.L. Azevedo, D.H. Lee and E. Frazzoli, "Simulation Framework for Rebalancing of Autonomous Mobility on Demand Systems," in *2016 5th International Conference on Transportation and Traffic Engineering*, M. Figueira and Z. Guo (eds), 2016.
19. L.J. Sun, K.W. Axhausen, D.H. Lee and M. Cebrian, "Efficient detection of contagious outbreaks in massive metropolitan encounter networks", *Scientific Reports* 4, 6 (2014).
20. L.J. Sun, K.W. Axhausen, D.H. Lee and X.F. Huang, "Understanding metropolitan patterns of daily encounters", *Proceedings of the National Academy of Sciences of the United States of America* 110, 13774-13779 (2013).
21. L.J. Sun, J.G. Jin, K.W. Axhausen, D.H. Lee and M. Cebrian, "Quantifying long-term evolution of intra-urban spatial interactions", *Journal of the Royal Society Interface* 12, 8 (2015).
22. L.J. Sun, J.G. Jin, D.H. Lee, K.W. Axhausen and A. Erath, "Demand-driven timetable design for metro services", *Transportation Research Part C-Emerging Technologies* 46, 284-299 (2014).
23. L.J. Sun, Y. Lu, J.G. Jin, D.H. Lee and K.W. Axhausen, "An integrated Bayesian approach for passenger flow assignment in metro networks", *Transportation Research Part C-Emerging Technologies* 52, 116-131 (2015).
24. L.J. Sun, A. Tirachini, K.W. Axhausen, A. Erath and D.H. Lee, "Models of bus boarding and alighting dynamics", *Transportation Research Part a-Policy and Practice* 69, 447-460 (2014).
25. R. Tan, M. Adnan, D.H. Lee and M.E. Ben-Akiva, "New Path Size Formulation in Path Size Logit for Route Choice Modeling in Public Transport Networks", *Transportation Research Record*, 11-18 (2015).
26. H. Wang, R.L. Cheu and D.H. Lee, "Intelligent Taxi Dispatch System for Advance Reservations", *Journal of Public Transportation* 17, 115-128 (2014).
27. J. Zhao, L.X. Huang, D.H. Lee and Q.Y. Peng, "Improved approaches to the network design problem in regional hazardous waste management systems", *Transportation Research Part E-Logistics and Transportation Review* 88, 52-75 (2016).