Dr. Yu JIANG

CITATION REPORT

	***H*-index**	**Sum of Times Cited**
Web of Science	17	975
Scopus	19	1175
Google Scholar	21	1605

Accessed 13 June 2023

EDUCATION

Ph.D., The University of Hong Kong, Hong Kong, 2014
M.Sc. in Transportation System Management, National University of Singapore, Singapore, 2008-2009
Bachelor in Management, Shandong University, China, 2003-2007
Double Major in Economics, Shandong University, China, 2005-2007

WORKING EXPERIENCE

Associate Professor (tenured), Danmarks Tekniske Universitet (DTU), May 2021 – present
Assistant Professor, Danmarks Tekniske Universitet (DTU), Apr 2017 – Apr 2021
Network Infrastructure Analyst, Environmental Change Institute (ECI), Oxford University, Oct 2016 – March 2017
Senior Research Associate, Lancaster University Management School (LUMS), Oct 2015 – Oct 2016
Postdoctoral Fellow, The University of Hong Kong, Sep 2014 – Sep 2015
Research Assistant, The University of Hong Kong, Feb 2014 – Aug 2014

RESEARCH PROJECTS

PI:

1. Development of an integrated optimisation model for operating urban transit system 2022 – 2025
   - Independent Research Fund Denmark. 2.87 million DKK, Project 1
2. Crowdsourced Delivery as an Activity for Sustainable Cities
   - Joint Ph.D. scholarship between DTU and TU/e, 11,155,000 DKK, 2022 – 2025
3. Planning and Operation of an Electrified Public Transport System
   - ¥ 50 000 funded by Ministry of Education of P. R. China (No. CH2019lt). 2020 – 2022

Co-PI

1. NEMESYS - NExt generation Mobility and Emission management SYStems: dynamic pricing and tradable credits
   - Joint Ph.D. scholarship between DTU and NTU, 11,155,000 million DKK, 2019 - 2022
2. Autonomous Bus Demand Modelling and Optimization from Big Data
   - Joint Ph.D. scholarship between DTU and NTU, 11,155,000 DKK, 2017 - 2020
3. A Distribution Free-Approach for Reliable Transport Network Design
   - ¥ 520000 (522105 DKK) founded by National Natural Science Foundation of China (NSFC) 2013-2016

Participant:

1. 考虑可达性的自动驾驶共享车辆最优定价模型与策略研究,
   - 国家自然科学基金面上(71971038) 2020 – 2023
2. LINC: Transforming Urban Planning Providing Autonomous Collective mobility
   - €3 million funded by EU Urban Innovative Actions (UIA) 2018 - 2021
3. Integrated Public Transport Optimization and Planning (IPTOP) 2017 - 2020
   - 18.5 million DKK funded by the Innovation Fund Denmark
4. Mathematical Models and Algorithms for Allocating Scarce Airport Resources (OR-MASTER) 2015 - 2019
   - £2 million (16.5 million DKK) project funded by Engineering and Physical Sciences Research Council (EPSRC)
5. Multi-scale Infrastructure Systems Analytics (MISTRAL),
   - £5 million funded by Engineering and Physical Sciences Research Council (EPSRC) 2016

6. A Software Tool with a Strategic Approach for Identifying Critical Transport Infrastructures and Building Resilience of Urban Transport Systems
   - Funded by Innovation and Technology Fund and Ove Arup 2014
7. A Distribution Free-Approach for Reliable Transport Network Design
   - Funded by National Natural Science Foundation of China (NSFC) 2013

Grant Applications Under Review

8. Development of an integrated optimisation model for operating urban transit system (PI)
   - Submitted to Independent Research Fund Denmark, applied for 2 million DKK
9. Development of Dynamic Transit Assignment Models for Real-time Large Network Applications (PI)
   - Submitted to Independent Research Fund Denmark, applied for 2 million DKK
10. E34U: Optimizing the Efficiency, Equity and Emissions in Mobility with Personalized Credits (Co-PI)
    - Submitted to Independent Research Fund Denmark, applied for 2 million DKK
11. UserTime. User-Centric Timetabling for Large Scale Applications (UserTime) (PI)
    - Submitted to Independent Research Fund Denmark, applied for 4 million DKK

HONORS AND AWARDS

1st Runner up of HKSTS Outstanding Student Paper Award	2014
Nominated for Li Ka Shing Prize, Awards for Outstanding Research Postgraduate Student	2015
Best paper in 9th International Conference on Railway Operations Modelling and Analysis. Beijing	2021
1st Best best-paper award and best-student-paper award in Conference on Advanced Systems in Public Transport (CASPT), Tel-Aviv, Israel	2022

ACADEMIC ACHIEVEMENTS

Refereed Journal Papers

(Corresponding author is underlined. "+" indicates the PhD or visiting student under my supervision)

1. Yang, Y., Jiang, X., Yan, Y., Liu, T., **Jiang, Y.**, 2023. Bimodal transit design with heterogeneous demand elasticity under different fare structures. *Transportmetrica A*: Transport Science, 1-27.
2. Chen, X.+, **Jiang, Y.,** Ingvardsonc, J.B., Nielsen, O.A., 2023. I can Board, but I'd rather Wait: Active Boarding Choice Behaviour Analysis Using Smart Card Data in Metro System. ***Transportation Research Part A*** 174,103747
3. Cheng, R.+, **Jiang, Y**., Nielsen, O.A., Pisinger, D., 2023. Adaptive Large Neighborhood Search for the People and Parcels Share-a-Ride Problem with Drones. ***Transportation Research Part C*** 153, 104203.
4. Tang, C.Y., Liu, J.Q., Ceder, A., **Jiang,. Y**., 2023. Optimisation of a new hybrid transit service with modular autonomous vehicles. *Transportmetrica A*, 1-23.
5. Chen, S.Y., Seshadri, R., Azevedo, C.L., Akkinepally, A.P., Liu, R.M.+, Araldo, A., **Jiang, Y.**, Ben-Akiva, M., 2023. Market Design for Tradable Mobility Credits. ***Transportation Research Part C*** 151, 104121
6. Rong, C.+, **Jiang, Y.**, Nielse, O.A. Integrated People-and-Goods Transportation Systems: from A Literature Review to A General Framework for Future Research. ***Transport Reviews,*** *1-24.* ***[Editor's choice of the issue].***
7. Zhong, S.P., Liu, A., **Jiang, Y.**, Hu, S., Xiao, F., 2023. Energy and environmental impacts of shared autonomous vehicles under different pricing strategies. *npj Urban Sustainability*, 3(1), 8
8. **Jiang, Y**., Nielsen, O.A., 2022. Urban multimodal traffic assignment. Multimodal Transportation 1(3), 100027.

9. **Jiang, Y.**, Rasmussen, T.K., Nielsen, O.A., 2022. Integrated Optimization of Transit Networks with Schedule-and Frequency-Based Services Subject to the Bounded Stochastic User Equilibrium. ***Transportation Science***, articles in advance, 1-17. https://doi.org/10.1287/trsc.2022.1148
10. Rong, C. [+], Zhong, S.P., Wang, Z., Nielse, O.A., **Jiang, Y.** 2022. A Hyper-heuristic Approach to the Strategic Planning of Bike-Sharing Infrastructure. *Computer and Industrial Engineering*, 173, 108704.
11. Lee, K. [+], **Jiang, Y.**, Ceder, A., Dauwels, J., Su, R., Nielsen, O.A., 2022. Path-Oriented Synchronized Scheduling Using Time-Dependent Data. ***Transportation Research Part C*** 136, 103505. (**1st Best Paper Award in CASPT 2022**)
12. Zhong, S.P., **Jiang, Y.**, Nielsen, O.A., 2022. Lexicographic multi-objective road pricing optimization considering land use and transportation effects. ***European Journal of Operational Research*** 298(2), 496-509.
13. Liu R.M.[+], Chen S.Y., **Jiang, Y.**, Seshadri, M. Ben-Akiva, C.L. Azevedo., 2022. Managing network congestion with a trip- and area-based tradable credit scheme. *Transportmetrica B*, 1-29
14. Ning, J.[+], Peng, Q.Y, Zhu, Y., **Jiang, Y.**, Nielsen, O.A., 2022. A Bi-objective optimization model for the last train timetabling problem. *Journal of Rail Transport Planning & Management* 23, 100333.
15. Hua, M.Z.[+], Chen, X.W., Chen, J.X., **Jiang, Y.**, 2022. Minimizing Fleet Size and Improving Vehicle Allocation of Shared Mobility under Future Uncertainty: A Case Study of Bike Sharing. *Journal of cleaner production*, 370, 133434.
16. Yang,Y., Jiang, X.G., Yan, Y.S., Liu, T., **Jiang, Y.**, 2022. Joint Optimization of Bimodal Transit Networks in a Heterogeneous Environment Considering Vehicle Emissions. *Journal of cleaner production*, 373, 133859.
17. Cai, Y.F.[+], Chen, J., Lei, D., **Jiang, Y.** 2022. The integration of multimodal networks：the generalized modal split and collaborative optimization of transportation hubs. *Journal of Advanced Transportation*. *Accepted.*
18. Ye, J. [+], **Jiang, Y**., Chen, J., Liu, Z.Y., Guo, R.Y., 2021. Joint Optimization of Transfer Location and Capacity for a Capacitated Multimodal Transport Network with Elastic Demand: Bilevel Modeling and Paradoxes. ***Transportation research Part E*** 156, 102540.
19. **Jiang, Y.**, 2021. Reliability-based Equitable Transit Frequency Design. *Transportmetrica A*, 1-31.
20. **Jiang, Y.**, Ceder, A., 2021. Incorporating Personalization and Bounded Rationality into Stochastic Transit Assignment Model. ***Transportation Research Part C*** 127, 103127
21. **Jiang, Y.**, Zografos, K.G., 2021. A decision-making framework for incorporating fairness in allocating slots at capacity-constrained airports. ***Transportation Research Part C*** 126, 103039.
22. Peled, I., Lee, K.[+], **Jiang, Y**., Dauwels, J., Pereira, F.C., 2021. On the Quality Requirements of Demand Prediction for Dynamic Public Transport. ***Communications in Transportation Research*** 1, 100008.
23. Zhong, S.P., Cheng, R. [+], **Jiang, Y.**, Nielsen, O.A., Larson, A., 2020. Risk-averse optimization of disaster relief facility location and vehicle routing under stochastic demand. ***Transportation Research Part E*** 141, 102015.
24. Ceder, A., **Jiang, Y.,** 2020. Route Guidance Ranking Procedures with Human Perception Consideration for Personalized Public Transport Service. ***Transportation Research Part C*** 118, 102667.
25. **Jiang, Y.**, Wang, Y., Chow, A.H.F., Szeto, W.Y., Nagurney, A., 2020. Probabilistic assessment of transport network vulnerability with equilibrium flows *International Journal of Sustainable Transportation*, 1-12.
26. Tang, Y.L. [+], **Jiang, Y.**, Hai, Y., Nielsen, O.A., 2020. Modeling and optimizing a fare incentive strategy to manage queuing and crowding in mass transit system. ***Transportation Research Part B*** 138, 247-267.

27. Zhong, S.P., Cheng, R., Li, X.F., Wang, Z., **Jiang, Y.,** 2020. Identifying the combined effect of shared autonomous vehicles and congestion pricing on regional job accessibility. *The Journal of Transportation and Land Use* 13, 273-297.
28. Ceder, A., **Jiang, Y.,** 2019. Personalized public transport mobility service: a journey ranking approach for route guidance. *Transportation Research Procedia* 38, 935-955.
29. Zografos, K.G., **Jiang, Y.,** 2019. A Bi-objective efficiency-fairness model for scheduling slots at congested airports. *Transportation Research Part C* 102, 336-350.
30. **Jiang, Y.**, Szeto, W.Y., 2016. Reliability-based stochastic transit assignment: formulations and capacity paradox. *Transportation Research Part B* 93, 181-206.
31. **Jiang, Y.**, Szeto, W.Y., 2016. Multi-class dynamic traffic assignment with physical queues: intersection-movement-based formulation and paradox. *Transportmetrica A*, 12(10), 878-908.
32. **Jiang, Y.**, Szeto, W.Y., 2015. Time-dependent transport network design that considers health cost. *Transportmetrica A* 11(1), 74-101.
33. Szeto, W.Y., **Jiang, Y.**, Wang, D.Z.W., Sumalee, A., 2015. A sustainable road network design problem with land use transportation interaction over time. *Networks and Spatial Economics* 15(3), 791-822. (**4th most cited paper in Networks and Spatial Economics in 2015/50th most cited paper in Networks and Spatial Economics lifetime)**
34. Hamdouch, Y., Szeto, W.Y., **Jiang, Y.,** 2014. A new schedule-based transit assignment model with travel strategies and supply uncertainties. *Transportation Research Part B* 67, 35-67.
35. Szeto, W.Y., **Jiang, Y.,** 2014. Transit route and frequency design: Bi-level modeling and hybrid artificial bee colony algorithm approach. *Transportation Research Part B* 67, 235-263.
36. Szeto, W.Y., **Jiang, Y.,** 2014. Transit assignment: approach-based formulation, extragradient method, and paradox. *Transportation Research Part B* 62, 51-76.
37. **Jiang, Y.**, Szeto, W.Y., Ng, T.M., Ho, S.C., 2013. The reliability-based stochastic transit assignment problem with elastic demand. *Journal of the Eastern Asia Society for Transportation Studies* 10, 831-850.
38. **Jiang, Y.**, Szeto, W.Y., Ng, T.M., 2013. Transit network Design: a Hybrid enhanced artificial bee colony approach and a case study. *International Journal of Transportation Science and Technology* 2 (3), 243-260.
39. Szeto, W.Y., **Jiang, Y.**, Wong, K.I., Solayappan, M. 2013. Reliability-based stochastic transit assignment with capacity constraints: formulation and solution method. *Transportation Research Part C* 35, 286-304.
40. Yan, Y., Liu, Z., Meng, Q., **Jiang, Y.,** 2013. Robust optimization model of bus transit network design with stochastic travel time. *Journal of Transportation Engineering* 139 (6), 625-634. (**1st most cited paper in Journal of Transportation Engineering in 2013**)
41. Szeto, W.Y., **Jiang Y.,** 2012. Hybrid artificial bee colony algorithm for transit network design. *Transportation Research Record* 2284, 47-56.
42. Szeto, W.Y., **Jiang, Y.**, Sumalee, A., 2011. A cell-based model for multi-class doubly stochastic dynamic traffic assignment. *Computer-Aided Civil and Infrastructure Engineering* 26 (8), 595-611.
43. Szeto, W.Y., Solayappan, M., **Jiang, Y.,** 2011. Reliability-based transit assignment for congested stochastic transit networks. *Computer-Aided Civil and Infrastructure Engineering* 26 (4), 311-326.

Selected Conference Proceedings/Abstracts/Presentations

1. R. Gaborit, J Spitzer, **Y. Jiang**, O.A. Nielsen. (2024) Adaptive large neighborhood search method for public transport schedule synchronization. **HKSTS 2024.**

2. R. Cheng, T.V., Woensel, O.A. Nielsen, **Y. Jiang** (2024) A column generation approach for passenger and parcel share-a-ride problem with drones. **HKSTS 2024**.
3. K. Lee, **Y. Jiang**, J. Dauwels, R. Su (2024) Enhancing Fixed Transit Services with Demand-Responsive Limited-Stop Services Considering Alternative Routes. **HKSTS 2024**.
4. Akbarpour, M., **Jiang, Y.,** Nielsen, O.A. 2024, Optimisation of Last-Mile Parcel Delivery: Leveraging Crowdsourcing and Mobile Parcel Lockers. **TRB 2024**
5. Chen, S.Y., Seshadri, R., Azevedo, C.L., Akkinepally, A.P., Liu, R.M., **Jiang, Y.,** Ben-Akiva, M.E., 2024. Personalized Pareto Improving Tolling for Congestion Pricing and Tradable Mobility Credits. TRB 2024
6. Guo, R.R., Seshadri, R., Liu, R.M., Li, W.Q., **Jiang, Y.**, 2024. Joint Optimization of Fare and Headway for the Hybrid Transit System in a Radial Network with Elastic Demand. **TRB2024**.
7. Cheng, R., **Jiang, Y.**, 2023. On-Demand Transit for Urban Logistic: Modelling a Novel Transportation System for Integrated Transporting People and Goods. UTSG 55th Annual conference. Cardiff.
8. Cheng, R., **Jiang, Y.,** 2023. Assessing the Impacts of Public Transport-Based Crowdshipping: A Case Study in Nørrebro District in Copenhagen. 11th Symposium of the European Association for Research in Transportation.
9. Hua, M.Z., Pereira, F.C., **Jiang, Y.**, Chen, X.W., 2023. Transfer Learning for Cross-Modal Demand Prediction of Bike-Share and Public Transit, accepted for TRB conference paper 2023.
10. Dai, Y.J., Liu, T., **Jiang, Y**. Optimal Routing Design of App-based Demand Responsive Connector for Many to One Travel Demand. Extended Abstract submitted to mobil. TUM 2022 – 12th International Scientific Conference on Mobility and Transport, April 5th-7th, 2022, Singapore
11. Ye, J., **Jiang, Y**., Chen, J., Liu, Z.Y., Guo, R.Y. Joint Optimization Capacitated Multimodal Transport Network. The 22nd COTA International Conference of Transportation Professionals (CICTP2022), Changsha, China – July 8-11, 2022.
12. Wang, B., **Jiang, Y.**, Szeto, W.Y. Mining Frequent Sequences in Automatic Vehicle Identification Data: a data mining approach to identify critical paths. The 22nd COTA International Conference of Transportation Professionals (CICTP2022), Changsha, China – July 8-11, 2022.
13. Ning, J., Peng, Q.Y., Zhu, Y.Q., **Jiang, Y**., Nielsen, O.A. 2022. A Bi-objective Optimization Model for the Last Train Timetabling Problem. 9th International Conference on Railway Operations Modelling and Analysis. Nov 3-7, Beijing.
14. Chen, S.Y., Liu, R.M., Seshadri, R., Azevedo, C.L., **Jiang, Y.**, Ben-Akiva, M., 2022. Market Design For Tradable Mobility Credits. *Transportation Research Board 101st Annual Meeting*, January 9–13, 2022, Washington, D.C., USA, accepted.
15. Hua, M.Z., Chen, X.W., **Jiang, Y.**, Chen, J.X., 2022. Minimizing Fleet Size and Improving Bike Allocation of Bike Sharing. *Transportation Research Board 101st Annual Meeting*, January 9–13, 2022, Washington, D.C., USA, accepted.
16. Liu, R.M., Chen, S.Y., **Jiang, Y.**, Seshadri, R., Azevedo, C.L., 2022. Managing network congestion with a tradable credit scheme: a trip-based MFD approach. *Transportation Research Board 101st Annual Meeting*, January 9–13, 2022, Washington, D.C., USA Accepted.
17. Wang, Z.C., Jiang, R., **Jiang, Y.**, 2021. Modeling Bus Bunching along a Common Line Corridor with Capacity Constraint considering Passenger Transfer Behavior. *Transportation Research Board 101st Annual Meeting*, January 9–13, 2022, Washington, D.C., USA

18. Cheng, R., **Jiang, Y.**, Zhong, S.P., Wang, Z., Fu, Y.J., Nielsen, O.A., 2022. A Hyper-heuristic Approach to the Strategic Planning of Bike Sharing System. 5th Annual Meeting of the Cycling Research Board. Copenhagen, Denmark. October 13-15.
19. Liu, R., **Jiang, Y.**, Azevedo, C.L., 2021. Bayesian Optimization of Area-based Road Pricing. In 2021 7th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS) (pp. 1-6). IEEE.
20. Zhong, S., Gong, Y., Xiao F., **Jiang Y**. A centralized signal control optimization method for large-scale traffic networks. TSTE 2021.
21. **Jiang, Y.**, Ceder, A., 2021. Incorporating Personalization and Bounded Rationality into Stochastic Transit Assignment Model. Accepted for the ***PODIUM*** presentation for the *24th International Symposium on Transportation and Traffic Theory (ISTTT24)*, 24-26 July 2022, Beijing, China (postponed from 2021 to 2022 due to Covid).
22. Zhong, S.P., **Jiang, Y.**, Wang, Z., Nielsen, O.A., 2021. A Bilevel Multi-Objective Road Pricing Model Considering Land-Use Effects. *25th International Conference of Hong Kong Society for Transportation Studies*, 9-10, December, Hong Kong (accepted)
23. **Jiang, Y.**, 2021 Integrated Optimisation of Transit Network, 12th *International Workshop on Computational Transportation Science*, 28-29 July, Harbin, China.
24. Liu, R.M., **Jiang, Y.**, Azevedo, C.L., 2021. Bayesian Optimization of Area-based Road Pricing, *7th International IEEE Conference on Models and Technologies for Intelligent Transportation Systems*. 16 – 17 June 2021, online.
25. Peled, I., Lee, K., **Jiang, Y.**, Dauwels, J., Pereira, F.C., 2019. Preserving Uncertainty in Demand Prediction for Autonomous Mobility Services. *Proceedings of the IEEE Intelligent Transportation Systems Conference (ITSC)*, 2019.
26. Liu, T., **Jiang, Y.**, Ceder, A., Gasson, R., Cheyne, L. 2019. Smartphone based Public Transport Guidance: An Investigation of Potential Benefits. *Proceedings of the IEEE Intelligent Transportation Systems Conference (ITSC)*, 2019.
27. Ceder, A., **Jiang, Y.** 2019. Personalized public transport mobility service: a journey ranking approach for route guidance. *23th International Symposium on Transportation and Traffic Theory (ISTTT23)*, 23-26 July, Lausanne, Switzerland.
28. **Jiang, Y**., 2018. Equitable Transit Network Design Under Uncertainty. In *Conference on Advanced Systems in Public Transport*. 23-25 July 2018, Brisbane, Australia.
29. **Jiang, Y**., Ceder, A. 2018. Assessing the Impact of Future Personalised Public Transport. In *Conference on Advanced Systems in Public Transport*. 23-25 July 2018, Brisbane, Australia.
30. Zhong, S.P., Cheng, R., **Jiang, Y.** 2018. *a*-Reliable Mean-Excess Regret Model for Emergency Location Routing Problem Under Demand Uncertainty. *International Conference of Transportation and Space-time Economics*, 12-14 Oct, Beijing.
31. Zhong, S.P., Cheng, R., **Jiang., Y.**, 2019. A bi-objective model to stochastic emergency location routing problem. *19th COTA International Conference of Transportation Professionals*, July 6–8, 2019, Nanjing, China,
32. **Jiang, Y.,** Lee, K., 2018. Scheduling Synchronization with Time-Dependent Data. *The 7th International Symposium on Dynamic Traffic Assignment*, 6 – 8, June 2018, Hong Kong.

33. **Jiang, Y.**, M. Eltved, O. A. Nielsen, T. K. Rasmussen, R. D. Frederiksen. 2017. Integrated optimisation for public transport system with joint schedule- and frequency-based services. *22nd International Conference of Hong Kong Society for Transportation Studies*, December 9 - 11, 2017, Hong Kong.
34. Zografos, K.G., **Jiang, Y.**, 2016. Modeling and solving the airport slot scheduling problem with efficiency, fairness, and accessibility considerations. *Triennial Symposium on Transportation Analysis (TRISTAN IX)*, 12-17 June 2016, ARUBA.
35. **Jiang, Y.**, Szeto, W.Y., 2016. A multi-class approach-proportion-based dynamic user optimal route choice problem. *Triennial Symposium on Transportation Analysis (TRISTAN IX)*, 12-17 June 2016, ARUBA.
36. **Jiang, Y.**, Szeto, W.Y., 2016. Multi-class dynamic traffic assignment: Approach-proportion-based formulation and car-truck interaction paradox, *The 6th International Symposium on Dynamic Traffic Assignment*, June 28–30, 2016, Sydney, Australia
37. **Jiang, Y**., Szeto, W.Y., 2016. A multi-class approach-proportion-based dynamic user optimal route choice problem. In *Tristan Symposium* 2016, 13-17 June, Aruba.
38. **Jiang, Y.**, Szeto, W.Y., 2015. Reliability-based transit assignment: formulations and a capacity paradox. In *International Symposium on Transportation Network Reliability*, 2-3 August 2015, Nara, Japan
39. **Jiang, Y.**, Szeto, W.Y., 2015. Multi-class dynamic traffic assignment: Intersection-movement-based formulation and paradox. *20th International Conference of Hong Kong Society for Transportation Studies*, December 12–14, 2015, Hong Kong.
40. **Jiang, Y.**, Szeto, W.Y., 2015. An approach-based formulation for reliability-based stochastic transit assignment. In *Conference on Advanced Systems in Public Transport*, 19-23 July Rotterdam, Netherlands.
41. **Jiang, Y.**, Szeto, W.Y., Wong, S.C., 2014. Reliability-based transit network design. In *International Conference of Hong Kong Society for Transportation Studies*, 13-15 December 2014, Hong Kong.
42. Szeto, W.Y., **Jiang, Y.**, Sun, S.J., Wong, K.I., 2014. A reliability-based stochastic transit assignment model with capacity constraints. *Transportation Research Board 93rd Annual Meeting*, January 12–16, 2014, Washington, D.C., USA
43. **Jiang, Y.**, Szeto, W.Y., Ng, T.M., and Ho, S.C., 2013. The reliability-based stochastic transit assignment problem with elastic demand. 10th Eastern Asia Society of Transportation Studies (EASTS) Conference 2013, September 9–12, 2013, Taiwan.
44. Szeto, W.Y., **Jiang, Y.**, Wong, S.C., 2012. Bilevel transit network design: Hybrid artificial bee colony algorithm. 17th *International Conference of Hong Kong Society for Transportation Studies*, December 15–17, 2012, Hong Kong
45. Szeto, W.Y., **Jiang, Y.**, Wong, S.C., Wang, D.Z.W., 2012. Risk-averse stochastic user equilibrium transit assignment with elastic demand. 5th *International Symposium on Transportation Network Reliability*, December 18–19, 2012, Hong Kong
46. Szeto, W.Y., **Jiang, Y.**, Wong, S.C., 2012. Bilevel transit network design problem: Artificial bee colony approach. *INFORMS International Conference*, June 24–27, 2012, Beijing, China
47. Szeto, W.Y., **Jiang, Y.**, 2011. A simultaneous bus route design and frequency setting problem: a hybrid artificial bee colony algorithm approach. In *International Conference of Hong Kong Society for Transportation Studies*, 17-20 December 2011, Hong Kong.
48. **Jiang, Y**., Szeto, W.Y., Wong, S.C., 2010. Risk-Aversive Stochastic Transit. In *International Conference of Hong Kong Society for Transportation Studies*. 11-14 December 2010, Hong Kong.

49. Szeto, W.Y. **Jiang, Y.**, 2010. A bilevel transit network design problem with transfer penalty. *Proceedings of the 4th Nordic Optimization Symposium*, September 30-October 2, 2010, Aarhus, Denmark
50. Szeto, W. Y., Solayappan, M., **Jiang, Y**., Wong, K.I., 2010. Reliability-based stochastic user equilibrium transit assignment. In Proceedings of the 4th International Symposium on Transportation Network Reliability, 22-23 July, Minnesota, USA.
51. Szeto, W.Y., **Jiang, Y**., Solayappan, M., 2009. Time-dependent road network design frameworks with land use consideration: The issue of sustainability. Proceedings of the Eastern Asia Society for Transportation Studies, Surabaya, Indonesia, October 19–22, 2009, vol. 7, 34–49.

ACADEMIC SERVICES

Editor	Special Issue: Methods and Technologies for Next-Generation Public Transport Planning and Operations (MTNPT) in Journal of Advanced Transportation (selected to be included in 2021 Annual Issues Series)
Reviewer	IEEE ITS Transactions, IET Intelligent Transport Systems Journal of Intelligent Transportation Systems European Journal of Operational Research, Computers & Industrial Engineering, Public Transport Computer-Aided Civil and Infrastructure Engineering Journal of Advanced Transportation, Journal of Transportation Engineering Transportmetrica A, B, Networks and Spatial Economics Journal of Rail Transport Planning & Management Journal of Air Transport Management Transportation Research Part A, B, C, D, E
Conference Chair	Organizing workshop on "*Smart Public Transportation Systems (SPTS) workshop*" IEEE ITSC 2020 Section Chair in *Transit Scheduling* 22th HKSTS conference Section Chair in *the 7th International Symposium on Dynamic Traffic Assignment* Section Chair in *CASPT 2018*

Invited Talks

1. Integrated Planning and Operation Public Transport System. *Beijing University of Technology*, 19 - Aug – 2021, China
2. Future Public Transport Planning, *Dalian University of Technology*, 6-Jan-2020, China
3. Advanced Public Transportation Planning, *Southeast University*, 17-Sep-2019, China.
4. Integrated Optimisation for Public Transport System, *Beijing Jiaotong University*, 12-Sep-2019, China.
5. Planning for Dynamic Autonomous Bus Operation, *Transport Summit*, 31-May-2018, Denmark.
6. Integrated Public Transport Optimisation, *Transport Summit*, 30-May-2017, Denmark.
7. Towards Reliability-Based Public Transport Planning, *ITS University of Leeds*, 21-Feb-2017, UK.