

rCITI PhD Alumni

List of rCITI's PhD graduates

Candidate	Thesis Title	Online Access	Completed	Degree	Supervisor
Alhariqi, Abdulrahman	The Environmental Impact of Connected and Automated Vehicles' Car-following Behaviour	Available	2023	PhD	M Saberi Kalae & V Dixit
Gong, Shuangqing	Electric Vehicles and its mobility as a service	Available	2023	PhD	H Rashidi & F Luo
Li, Xinming	Innovative Disaggregate Modelling Frameworks for Predicting Tourists' behaviours	Available	2023	PhD	TH Rashidi & TR Koo
Ma, Mingyou	Modelling and Managing Integrated Public Transport System for Passengers and Freight	Available	2023	PhD	V Dixit, W Liu & F Zhang
Mansourianfar, Mohammadhadi	Modelling mixed autonomy traffic networks with pricing and routing control	Available	2023	PhD	M Saberi, ST Waller & TH Rashidi
Niu, Chence	Resilience in Transportation Networks	Available	2023	PhD	V Dixit, D Jayakumar Nair

Wei, Bangyang	Modeling and Managing a Transportation System With Shared Mobility Services	Available	2023	PhD	M Saberi Kalae, W Liu, S Waller
Xu, Kai	Modeling and Management of Ridesourcing Services with Order Cancellation and Platform Collaboration	Available	2023	PhD	M Saberi, W Liu, V Dixit
Ashfaq, Mudabber	Modelling Traffic Congestion as a Spreading Phenomenon	Available	2022	PhD	M Saberi, T Waller & L Gardner
Barbara, Mikel	Modelling and Optimisation Methods for Public School Networks	Available	2022	PhD	D Nair TH Rashidi
Chen, Yuhui	Modeling ride-sourcing and public transport services in a multi-modal network with multi-class users	Available	2022	Mphil	V Dixit, W Liu, T Waller
Dong, Xiaotong (Sharon)	New Formulations and Solution Methods for the Dial-a-ride Problem	Available	2022	PhD	D Rey & ST Waller
Lilasathapornkit, Tanapon	Network Modeling for Walking Infrastructure: Developing Pedestrian Traffic Assignment Methodologies for Large-Scale Footpath Networks	Available	2022	PhD	M Saberi
Shahriari, Siroos	Redefine time series models for transportation planning use	Available	2022	PhD	T Rashidi, S Sisson, E Robson
Shakeel, Kiran	Optimisation of Travel Activity Schedule to Maximise Active Transport Use and Health Benefits: Application of a Smartphone App	Available	2022	PhD	T Rashidi & ST Waller



Sinha, Amolika	Evaluating Risks Associated With Automated Driving Systems	Available	2022	PhD	V Dixit
Xi, Haoning	Optimization Methods for Mobility Resource Allocation, Pricing and Demand Management in Mobility-as-a-Service Systems	Available	2022	PhD	ST Waller, W Liu, H Aziz & P Kirby
Cheng, Zesheng	Novel modeling methodologies that utilize emerging data sources for transport network planning	Available	2021	PhD	ST Waller, T Hossein Rashidi, M Maghrebi, & S Jian
Cunha Dias, Fernando	Mathematical optimization methods for aircraft conflict resolution in air traffic control	Available	2021	PhD	D Rey & ST Waller
Ranaweera Kankanamge, Malith Prasanga	Data Substantiation in Mobility	Available	2021	PhD	V Dixit & D Rey
Siripanich, Amarin	Land use modelling and demographic modelling using agent based approaches	Available	2021	PhD	TH Rashidi, ST Waller & E Moylan
Chakraborty, Shantanu	Dynamic traffic assignment model for network design with autonomous vehicle lanes and endogenous demand	Available	2020	PhD	D Rey & S T Waller
Krueger, Rico	Hierarchical Bayesian models for travel demand analysis: theory, inference and applications	Available	2020	PhD	TH Rashidi, ST Waller, & A Vij
Najmi, Ali	Estimating an Integrated Framework for Modelling Demand and Traffic Assignment in a Unified Structure	Available	2020	PhD	TH Rashidi & ST Waller



Virdi, Navreet Singh	Development of a Connected and Autonomous Vehicle Modelling Framework, with Implementation in Evaluating Transport Network Impacts and Safety	Available	2020	PhD	ST Waller & Grzybowska
Yang, Bing	The Tell-Tale Tweet: extracting, enriching, and modelling people's activity and movement from social media data	Available	2020	ME	T Rashidi
Alsultan, Abdulmajeed Sulaiman M	Macroscopic emission modelling for urban networks	Available	2019	PhD	ST Waller & V Dixit
Chakka, Mohana Naga Sai Chand	Evaluating Fluctuations in Urban Traffic Data and Modelling Their Impacts	Available	2019	PhD	ST Waller & V Dixit
Ghasrihouzani, Milad	Disaggregate behavioural land use modelling: Integration of housing search, job search and households' dynamics	Available	2019	PhD	T Rashidi & ST Waller
Gong, Shuangqing	Domestic and international tourists' behaviour on the length of stay and selection of destination in Australia	Available	2019	ME	TH Rashidi
Gu, Ziyuan	Dynamic Congestion Pricing in Urban Networks with the Network Fundamental Diagram and Simulation-Based Dynamic Traffic Assignment	Available	2019	PhD	M Saberi & ST Waller
Hassan, Mohammad Nurul	A Comprehensive Analysis of Discrete Choice Modelling Specifications for Modelling Route and Stop Choice Behaviour of Transit Users	Available	2019	PhD	TH Rashidi & ST Waller



Alsalmi, Raed Abdulrahman H	The Relationship between Traffic Safety and Macroscopic Fundamental Diagram (MFD)	Available	2018	PhD	V Dixit
Amini, Nima	Alleviating the negative side effects of ramp metering: development of a supplementary ramp metering algorithm	Available	2018	PhD	L Gardner & ST Waller
Li, Chenyang	Perception and decision making in vehicle following: modelling, calibration, validation and simulation	Available	2018	PhD	V Dixit
Li, Xun	Fairness in Transportation System	Available	2018	PhD	V Dixit & ST Waller
Robson, Edward Nguyen	Computable general equilibrium modelling for urban transport planning and appraisal	Available	2018	PhD	V Dixit & ST Waller
Saxena, Neeraj	Modelling the Effect of the Number of Stop-&-gos on the Route Choice Behaviour of Car Drivers	Available	2018	PhD	ST Waller & V Dixit
Arbis, David	Modelling the Strategic Interactions of Driver Manoeuvres	Available	2017	PhD	V Dixit & TH Rashidi
Jayakumar Nair, Divya	Logistics of Surplus Food Rescue and Distribution	Available	2017	PhD	V Dixit & TH Rashidi
Jian, Sisi	Understanding and Optimising Carsharing Systems	Available	2017	PhD	V Dixit & ST Waller
Karki, Alex	Impact of parking types & time restrictions on urban parking choice behaviour	Available	2017	ME	V Dixit & T Rashidi



Mao, Tuo	Intelligent Transport System Based Freeway Management and Control	Available	2017	PhD	V Dixit & C Chen
Wen, Tao	Methodologies for Origin-Destination travel demand estimation within a strategic traffic assignment model	Available	2017	PhD	ST Waller & L Gardner
Zhang, Xiang	Multi-objective network design: Road capacity expansion and multi-modal recharge facility location	Available	2017	PhD	ST Waller & D Rey
Shakeel, Kiran	Modelling mode and route choice behaviour with adaptive data collection	Available	2016	ME	T Hossein Rashidi & ST Waller
Wijayaratna, Kasun Pradeepa	Modelling disrupted transport network behaviour	Available	2016	PhD	V Dixit & ST Waller
Duell, Melissa	Strategic Traffic Assignment: Models and Applications to Capture Day-to-Day Flow Volatility	Available	2015	PhD	L Gardner & ST Waller
Islam, Md Kamrul	Stochastic Modelling for evaluation of impacts of headway variability of public transit performance	Available	2014	PhD	U Vandebona
Maghrebi, Mojtaba	Using Machine Learning to Automatically Plan Concrete Delivery Dispatching	Available	2014	PhD	ST Waller & C Sammut
Vu, The Son	Development of models to determine impacts of telecommuting on transport systems and environment	Available	2010	PhD	U Vandebona
Doust, Kenneth Harold	Metrics of environmental sustainability, social equity and economic efficiency in cities.	Available	2008	PhD	JA Black



Cheung, Wai Hong Charles	Development and evaluation of stratified spatial interaction models and models based on location specific preference functions for sustainable transport and traffic assessment.	Available	2007	PhD	JA Black
Issarayangyun, Tharit	Aircraft noise and public health: acoustical measurement and social survey around Sydney (Kingsford Smith) airport.	Available	2005	PhD	JA Black
Yossyafra, Sarjana	Modelling of public transport routing strategies.	Available	2005	PhD	U Vandebona
Ahyudanari, Ervina	Methodology to determine airport check-in counter arrangement.	Available	2004	ME	U Vandebona
Golzar, Raymond	Optimum road pricing based on environmental capacity.	Available	2003	PhD	JA Black
Scott, Frieda Elaine	Demonstration of a new decision-making framework for investment in urban public transport infrastructure: application to CBD-Airport rail links.	Available	2003	PhD	JA Black
Awadalla, Emad Gerges	A model of driver response to variable message signs as an incident management tool.	Available	2002	PhD	P Hidas
Fitch, Ronald John	A critical study of the operational and financial performance of the South Australian Railways 1900-1970.	Available	2002	PhD	JA Black
Jatmika, Heru Edi	Economic, social and spatial impacts of major commercial airports and their management: a case study of Sydney (Kingsford Smith) Airport.		2002	PhD	JA Black



Suthanaya, Putu Alit	Sustainable transportation indicators with reference to urban form and journey to work travel in the Sydney metropolitan region.	Available	2002	PhD	JA Black
Widiantono, Doni Janarto	A multi-factor environmental capacity model for roads	Available	2002	PhD	SE Samuels

