

THNS2022 Abstracts List

Session / Abs No.	Speech Title/Topic	Speaker(s)	Affiliation
Session1 On the road to Avs			
A0027	WHAT DRIVES THE ACCEPTANCE OF AV?	Chenghe Guan	NYU Shanghai
A0015	UNCERTAINTY-AWARE 3D OBJECT PERCEPTION IN TRAFFIC SCENES	Wei Tian	Tongji University
A0057	THE PROVING GROUND FOR AUTONOMOUS VEHICLE IN TONGJI	Junyi Chen	Tongji University
A0047	DATA-DRIVEN OPTIMIZATION OF THE LOCATION AND CAPACITY OF CHARGING STATIONS FOR THE ELECTRIC ROBOTAXI FLEET	Ning Wang	Tongji University
A0104	Intelligent Vehicle Platooning Transit System: Principles, Technologies, and System Operations	Chi Xie	Tongji University
A0105	Optimal En-Route Charging Station Locations in Highway Networks for Electric Vehicles	Chi Xie	Tongji University
Session 2 Territorial Planning and Mobility Management			
A0054	INVESTIGATION ON THE INFLUENCE FACTORS OF THE WILLINGNESS OF THE PRIVATE CARS VOLUNTARY PARKING POLICY IN CHENGDU	Jining Zhang	Tongji University
A0006	RESEARCH ON THE PLANNING TECHNOLOGY OF JOBS-HOUSING BALANCE AND THE CONDUCTION IN TERRITORY SPATIAL PLANNING SYSTEM	Minqing ZHANG	Shanghai Urban Planning and design research Institute
A0014	CORRELATION BETWEEN LAND USE PATTERN AND URBAN RAIL RIDERSHIP BASED ON BICYCLE-SHARING TRAJECTORY	XIANGYU LI	Universiti Teknologi Malaysia
A0045	HOW DO YOU COMMUTE? INVESTIGATING THE USE OF PRIVATELY-OWNED MICROMOBILITY MODES FOR COMMUTING TRIPS IN FOUR EUROPEAN COUNTRIES	Rémy Le Boennec	CIRE
Session 3 Strategic Planning and Mobility Management			
A0007	PATH DEPENDENCY IN TRANSPORT DEVELOPMENT: THE CASE OF SHANGHAI SINCE THE 1990S	Xia Hua	Tongji University
A0003	A STRATEGIC ANALYSIS MODEL OF RESIDENTS' TRAVEL DEMAND FOR SHANGHAI 2035 UNDER TECHNOLOGY REVOLUTIONS	Xuenuo Zhang	Tongji University
A0044	POLICY PORTFOLIOS TO MITIGATE URBAN TRANSPORT GHG EMISSIONS IN 120 CITIES	Charlotte Liotta	CIRE/TU Berlin
Session 4 Economic Analysis			
A0026	OPTIMIZING THE COMBINED LONG-TERM EFFECT OF SHARED AUTONOMOUS VEHICLES AND ROAD CONGESTION PRICING ON REGIONAL ACCESSIBILITY	Shaopeng Zhong	Dalian University of Technology
A0058	SPATIAL SUSTAINABILITY ANALYSIS OF PUBLIC TRANSPORT DEVELOPMENT IN NANJING FROM A SOCIO-ECONOMIC PERSPECTIVE	Fei Shi	Nanjing University
A0101	Transforming air space to place: economic impact analysis for the airport development project of march joint powers authority	Qisheng Pan	UT Arlington
A0102	An Economic Analysis of Incorporating New Shared Mobility into Public Transportation Provision	Qing Shen and Yiyuan Wang	University of Washington
A0103	Can Rural Counties Benefit from High-Speed Rail Investments? Case Study of the Dallas-Houston Bullet Train Line	Ziqi Liu	University of Texas at Austin
Session 5 Low Carbon Vehicle in the Future			
A0016	ON-ROAD MEASUREMENT AND QUANTIFICATION OF TRAFFIC-RELATED CARBON EMISSION FACTORS ON ELEVATED ROADS	Dan-Ni Lu	Tongji University
A0020	ESTIMATION OF NOX AND CARBON EMISSION FACTORS FROM LIGHT-DUTY VEHICLE IN SHANGHAI BASED ON THE MOVES MODEL AND MACHINE LEARNING METHOD	Run Liu	Shanghai Jiao Tong University
A0052	CHINA E-MOBILITY KALEIDOSCOPE	Haixiao Pan	Tongji University
A0053	PREDICTIVE ENERGY-SAVING CONTROL OF INTELLIGENT CONNECTED HEAVY-DUTY COMMERCIAL VEHICLES	Hongqing Chu	Tongji University
Session 6 Accessibility and quality of service			
A0056	EXAMINING ACCESSIBILITY TO MEDICAL RESOURCES FOR URBAN OLDER ADULTS WITH COMMON DISEASES USING BIG DATA: A CASE STUDY OF BEIJING	Zhuo LIU	Beijing University of Technology
A0028	ESTIMATION MODEL OF DENIED BOARDING PROBABILITIES BY TRAIN RUN FROM AUTOMATED TRANSFER TIME ESTIMATION IN THE MULTIMODAL TRANSIT SYSTEM OF THE PARIS REGION USING THE HOUSEHOLD TRAVEL SURVEY	Fabien Leurent	CIRE
A0061		Biao YIN	Ecole des Ponts ParisTech
Session 7 Accessibility and Safety			
A0004	STUDY ON BEHAVIOR CHARACTERISTICS OF YOUNG FEMALE TRAVEL SAFETY AND COUNTERMEASURES	Xiaoqian LIU	Tongji Architectural Design (Group) Co., Ltd.
A0050	SAFETY LESSONS LEARNED FROM A CROSSING COLLISION BETWEEN PASSENGER TRAIN AND DOUBLE-DECKER BUS	Daoxing Chen	Transportation Safety Board of Canada
A0106	Accessibility and Safety(TBC)	Cristiana MAZZONI	ENSAPB
Session 8 Shared Mobility Services: case studies			
A0002	SHARED MOBILITIES TO SERVE PUBLIC TRANSIT: EMPIRICAL STUDIES IN SINGAPORE	Zhejing Cao	Tongji University
A0029	FACTORS INFLUENCING THE FREQUENCY OF USE OF FREE-FLOATING BIKE-SHARING SERVICES AMONG UNIVERSITY STUDENTS IN NANJING, CHINA	Wei Kang	Anhui Jianzhu University
A0030	FACTORS INFLUENCING ADOPTION AND CONTINUANCE INTENTION TOWARDS THE USE OF RIDE-SOURCING SERVICES: AN EMPIRICAL STUDY AMONG UNIVERSITY STUDENTS IN NANJING, CHINA	Wei Kang	Anhui Jianzhu University
A0033	UNDERSTANDING THE SPATIOTEMPORALLY HETEROGENEOUS OF CAR-SHARING DEMAND AND THE POTENTIAL SOCIAL IMPACTS: A DATA-DRIVE ANALYSIS OF CHENGDU, CHINA	Xinran Chen	Southwest Jiaotong University
Session 9 Shared Mobility Services: tools and production optimization			
A0036	SMAP: SHARED MOBILITY ANALYSIS PLATFORM FOR DATA TRACKING, REBUILDING, AND MINING	Qiyang Chen	Southwest Jiaotong University
A0009	MOBILITY AS A SERVICE: MANAGERIAL STRATEGY AND INVESTMENT GOVERNANCE IN RIDESHARING	Liz Chen	University of Pennsylvania
A0012	A BIBLIOMETRIC LITERATURE REVIEW ON SMART MOBILITY IN 2018-2022	Junhao CHEN	City University of Hong Kong
A0043	A RELOCATION MODEL FOR FREE-FLOATING CARSHARING SYSTEM TO MINIMIZE LIFE-CYCLE CARBON EMISSIONS	Gufeng Wang	Southwest Jiaotong University