

Forum THNS 2021: “Resilient City and Transport” - Program

Time UTC+2 (Paris)	Time UTC+8 (Shanghai)	Time UTC-4 (Michigan)	Day 1 (28 Oct, Thu) W1			Day 2 (29 Oct, Fri) W1		Day 3 (4 Nov, Thu) W2		Day 4 (5 Nov, Fri) W2				
3:00-3:30	9:00-9:30	21:00-21:30 (-1 Day)				Day 2 (29 Oct, Fri) Keynote 2 Moderator: Prof.PAN Haixiao Yoshitsugu Hayashi, Professor of Chubu University, Ex-Chair man of WCTRS Binyam Reja, Acting Global Director, Transport Global								
3:30-4:00	9:30-10:00	21:30-22:00 (-1 Day)				General Session Moderator: Prof.PAN Haixiao Qisheng Pan(A0020) Ming Zhang(A0029) Sicheng Wang(A0094& A0095)								
4:00-4:30	10:00-10:30	22:00-22:30 (-1 Day)												
4:30-5:00	10:30-11:00	22:30-23:00 (-1 Day)												
5:00-5:30	11:00-11:30	23:00-23:30 (-1 Day)												
5:30-6:00	11:30-12:00	23:30-24:00 (-1 Day)												
w1 9:00-9:30	15:00-15:30	3:00-3:30	Opening PAN Haixiao, Fabien Leurent, Marie-Christine BERT, Jean-François Janin			Session 1b Transport during pandemic Dr. Anne AGUILERA & TBC Mingzhuang HUA (A0022) Zilin ZHAN (A0027) Xiaorui Fang (A0054) Xiaofeng PAN(A0055) Xianlong CHEN (A0085)		Session 3a Urban Planning & Sustainability Policies Dr. HUA Xia & TBC Ming ZHONG (A0105) GUO Liang(A0064) Yuqing TANG (A0097) Xiaohu ZHANG (A0056) Philippe Delcourt (A0101)		Keynote 3 Moderator: Prof.ZHANG Lun Qing Shen, Professor, University of Washington ZHU Hong, Vice director, Shanghai Urban-Rural Construction and Transportation Development Research Institute (in Chinese) Luis MARTINEZ, Transportation analyst, International Transport Forum(OECD-OCDE)				
w2 8:00-8:30	15:30-16:00	3:30-4:00	Keynote 1 Moderator: Prof.SHAO Jianwang Fabien LEURENT, Professor, Ecole des Ponts ParisTech Kun AN, Professor, Tongji University							Session 5b Technological systems for Transport Dr. Nadir FARHI & Prof. XU Zhongwei Xiang GAO(A0015) Ze Shen (A0098) Lin Liu (A0099) Run LIU (A0100) Chuanzhen LIU (A0042) Bi Xin(A0058) Olivier Réaud(A0204)				
w1 9:30-10:00	16:00-16:30	4:00-4:30				Session 2b Energy management and carbon emission Dr. Philippe QUIRION & Prof. LUO Yanyun Daniel Herbst (A0017) ZHENG Yuming(A0038) Jingnan HUANG (A0061) Fethi Aloui (A0005)		Session 4 Accessibility & Logistics in Cities Dr. Bernard JACOB & Prof. ZHANG Lun Xu CUI (A0062, in Chinese) Michel ROSTAGNAT(A0201) Flavia Magliacani(A0007) Dijia GONG (A0025) Caiyun QIAN (A0057)		Session 6 Demand studies Dr. Jimmy ARMOOGUM & Prof. YE Xing Huanhuan LUO (A0030) Biao YIN (A0041) Bing LIU (A0087) Danyang SUN (A0091) Mi DIAO (A0031) Cheng SHI (A0090)				
w2 8:30-9:00	16:30-17:00	4:30-5:00	Session 1a Resilience-oriented transport planning Prof. Yousef DIAB & Prof. NI Ying HASSAN Idoudi(A0008) Lijuan ZHAO(A0051) Zhuo LIU(A0060) Jun CAI(A0071) Yanqing LIAO(A0084)			Session 3b Urban Planning & Sustainability Policies Dr. HUA Xia & TBC Song SUN (A0019, TBC) Guihua DENG (A0023, TBC) Shuangying WANG(A0026) Tianren YANG (A0083, TBC)		Session 5a Traffic management and ridesourcing Dr. Xiaoyan XIE & Prof. GUO Wei'an Mostafa Ameli (A0009) Xumei CHEN (A0035) Jinming YANG (A0043, TBC)		Awards selection committee discussion (by invitation only)				
w1 10:00-10:30	17:00-17:40	5:10-5:40								Closing and Awards announcing Moderator: Prof. ZHANG Lun				
w2 9:00-9:30	17:40-18:10	5:40-6:10												
w1 10:30-11:00	18:10-18:40	6:10-6:40												
w2 9:30-10:00	18:40-19:10	6:40-7:10												
w1 11:00-11:40														
w2 10:10-10:40														
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w2 11:10-11:40														
w1 12:40-13:10														
w2 11:40-12:10														
Zoom Link			Opening & Keynote1 & Session 1a (ID: 844 339 48695, Pass: 818092)			https://us02web.zoom.us/j/84433948695			Keynote3& Session4 (ID:833 777 99783, Pass:162958)			https://us02web.zoom.us/j/83377799783		
			Session 2a (ID:846 722 07506, Pass: 418166)			https://us02web.zoom.us/j/84672207506			Session5a (ID:833 345 15541, Pass: 384919)			https://us02web.zoom.us/j/83334515541		
			Keynote2 & General session (ID:863 954 77362, Pass: 206443)			https://us02web.zoom.us/j/86395477362			Session5b (ID:861 334 03847, Pass: 455513)			https://us02web.zoom.us/j/86133403847		
			Session 1b & Session 2b (ID:81528248795, Pass: 817451)			https://us02web.zoom.us/j/81528248795			Session6 (ID:859 440 45811, Pass: 248033)			https://us02web.zoom.us/j/85944045811		
			Session 3a & session 3b (ID:86887338629, Pass: 355427)			https://us02web.zoom.us/j/86887338629			Closing and Awards announcing (ID:833 066 58566, Pass: 840011)			https://us02web.zoom.us/j/83306658566		

*Please note there's one hour difference in the Europe time of week 2.

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THNS2021 program-Schedule

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Opening & Keynote 1

9:00-11:00 Paris, 15:00-17:00 Shanghai, 03:00-05:00 Michigan 28th Oct Day1

PAN Haixiao		Professor,Tongji University	Opening Adress
Fabien Leurent		Professor,Ecole des Ponts ParisTech	
Marie-Christine BERT		Vice president,,Ecole des Ponts ParisTech	
Jean-François JANIN		Co-funder of THNS forum, Former Head of the ITS TaskForce in the French Ministry of Transport	
K1-1	Fabien LEURENT	Professor,Ecole des Ponts ParisTech	Speech Title to be confirmed
K1-2	Kun AN	Professor,Tongji University	ONE-WAY STATION BASED CARSHARING NETWORK DESIGN

Session-1 Resilient Transport and Space

1a Resilience-oriented Planning

11:10-13:10 Paris, 17:10-19:10 Shanghai, 05:10-07:10 Michigan 28th Oct Day1

A0008	Idoudi Hassan Ameli Mostafa Nguyen Van Phu Cyril Zargayouna Mahdi Rachedi Abderrezak	University Gustave Eiffel, GRETTIA & LIGM, Paris, France	AGENT-BASED SIMULATION OF NETWORK EVACUATION PROBLEM WITH DYNAMIC SHELTER ALLOCATION
A0051	Liyuan ZHAO	Huazhong University of Science and technology	THE IMPACTS OF LAND USE ON URBAN ROAD NETWORK VULNERABILITY—A CASE STUDY IN WUHAN
A0060	Zhuo LIU Jianlin JIA	Beijing University of Technology	ESTIMATING STATIONS' VULNERABILITY BY ROUTE DIVERSITY CONSIDERING TRAVEL TIME: A CASE STUDY OF THE MULTI-MODAL PUBLIC TRANSPORT NETWORK IN BEIJING
A0071	Jun Cai Song Zhenang	Dalian University of technology	RESEARCH ON URBAN COMPOSITE DEVELOPMENT AXIS BASED ON THE PERSPECTIVE OF TRAFFIC RESILIENCE
A0084	Yanqing Liao Jian Zhuo	Tongji University	URBAN RESILIENT TRANSPORTATION PLANNING STRATEGY: A CASE STUDY OF GUANGZHOU

1b Transport during pandemic

9:00-11:00 Paris, 15:00-17:00 Shanghai, 03:00-05:00 Michigan 29th Oct Day2

A0022	Mingzhuang Hua Xuewu Chen Long Cheng Jingxu Chen	Southeast University	SHOULD BIKE SHARING CONTINUE OPERATING DURING THE COVID-19 PANDEMIC? EMPIRICAL FINDINGS FROM NANJING, CHINA
A0027	Zilin Zhan Yacan Wang Kexin Geng Zhiyuan Liang	Beijing Jiaotong University	EXPLORING THE IMPACTS OF COVID-19 ON CAR COMMUTERS' TRAVEL BEHAVIOR BASED ON LARGE-SCALE GPS DATA IN BEIJING
A0054	Xiao-Rui Fang Jin-Ming Yang Hong-Wei Wang Zhong-Ren Peng	Shanghai Jiao Tong University University of Florida	PREDICTION OF METRO RIDERSHIP DURING THE COVID-19 PANDEMIC: A DEEP LEARNING APPROACH BASED ON HETEROGENEOUS GRAPH
A0055	Xiaofeng Pan	Wuhan University of technology	INFLUENCE OF COVID-19 PANDEMIC ON PRIVATE CAR PURCHASING INTENTION AND TRAVEL MODE CHOICE BEHAVIOR: INSIGHTS FROM CHINESE CASE STUDIES
A0085	Xianlong Chen	Guangzhou Tranport Planning and Research Institute	ANALYSIS OF THE DIFFERENCE BETWEEN 2020 AND 2021 COVID-19'S IMPACT ON GUANGZHOU URBAN TRAVEL PATTERNS

Session-2 Transport and Environment

2a Air Pollution

11:10-12:40 Paris, 17:10-18:40 Shanghai, 05:10-06:40 Michigan 28th Oct Day1

A0047	Dan-Ni Lu Hong-Di He	Shanghai Jiao Tong University	IMPACT OF THE ELEVATED EXPRESSWAY ON VERTICAL DISTRIBUTION OF PM2.5 IN ASYMMETRIC STREET CANYONS
A0088	Xing-Zhou Li Bai Li Zhong-Ren Peng Hongdi He	Shanghai Jiao Tong University University of Florida Shanghai Jiao Tong University	POLLUTANT SOURCE LOCATING USING UNMANNED AERIAL VEHICLES
A0014	Haixiao Pan Yi Cui (Speaker)	Tongji University Shanxi transportation planning, survey and Design Institute Co., Ltd	ACTIVITY BASED MICROSCOPIC TRAFFIC SIMULATION AND TRAFFIC EMISSION CALCULATION
A0021	Xiao Luo Huizi Wang Chao Liu	Tongji university	SPATIO-TEMPORAL VARIATION INDUCED GROUP DISPARITY OF INTRA-URBAN NO2 EXPOSURE IN SHANGHAI

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2b Energy management and Carbon emission

11:10-12:40 Paris, 17:10-18:40 Shanghai, 05:10-06:40 Michigan 29th Oct **Day2**

A0017	Daniel Herbst Robert Schürhuber Ernst Schmutzter Lothar Fickert	Graz University of Technology	CHARGING INFRASTRUCTURE FOR ELECTRIC VEHICLES – NOWADAYS TECHNOLOGIES AND VERIFICATION OF PROTECTIVE MEASURES
A0038	Haixiao Pan Yuming Zheng(Speaker) Zizhan Wang	Tongji University	METRO PROXIMITY AND BUILT ENVIRONEMT ON COMMUTING CO2 EMISSIONS IN SHANGHAI
A0061	Jingnan Huang	Wuhan Unviersity	THE EFFECT OF LAND TRANSPORT FACILITIES ON HOUSEHOLD CARBON EMISSION FROM DAILY TRAVEL: A CASE STUDY OF WUHAN CITY, CHINA
A0005	Aloui Fethi	INSA Hauts-de-France	ENERGETIC OPTIMIZATION OF STIRLING ENGINES FOR THE VALORIZATION OF EXHAUST GAS ISSUE FROM ICE AND ITS USE IN TRANSPORT AND SUSTAINABLE ENERGY

Keynote 2 & General Session

3:00-6:00 Paris, 9:00-12:00 Shanghai, 29th Oct **Day2**
21:00-24:00 Michigan 28th Oct

K2-1	Yoshitsugu Hayashi	Professor, Chubu University Ex-President, WCTRS	Speech Title to be confirmed
K2-2	Binyam Reja	Acting Global Director, Transport Global Practice, World Bank	Speech Title to be confirmed
A0020	Qisheng Pan Shuang Zhao Zhonghua Jin Tao Tao	University of Texas, Arlington Tongji University Texas Southern University University of Texas, Arlington	IMPROVING PUBLIC TRANSPORTATION SAFETY IN COVID-19 ERA THROUGH CROWDSOURCING TECHNIQUE
A0029	Ming Zhang	University of Texas at Austin	TRIP GENERATION FOR MID-LONG-DISTANCE TRAVEL IN MEGAREGIONS
A0094	Sicheng Wang	Michigan State University	Does Ridesourcing Provide Equitable Accessibility?
A0095	Sicheng Wang Yuche Chen Xuanke Wu	Michigan State University University of South Carolina University of South Carolina	Association between Perceived Transportation Disadvantages and Opportunity Inaccessibility: A Social Equity Study

Session-3 Planning and Policies for Sustainability

3a Part1

9:00-11:00 Paris, 15:00-17:00 Shanghai, 03:00-05:00 Michigan 29th Oct **Day2**

A0105	Ming Zhong Guihua Deng	Wuhan University of Technology	A "GREEN" INTEGRATED LAND-USE TRANSPORT MODEL AS A TOOL FOR SUPPORTING POLICYMAKING ON URBAN AND REGIONAL CLIMATE AND ENVIRONMENTAL RESILIENCE
A0064	Liang Guo	Huazhong University of Science and Technology	ANALYSIS ON THE BUILT ENVIRONMENT CHARACTERISTICS OF METROPOLITAN RAIL TRANSIT SYSTEM BASED ON SUSTAINABLE DEVELOPMENT
A0097	Yuqing Tang Ziying Cui	Tongji University	A STUDY ON EVOLUTION RULES OF UNDERGROUND SPACE IN KEY AREAS OF SHANGHAI WITH UNDERGROUND RAIL TRANSIT STATIONS AS THE CORE
A0056	Xiaohe Zhang Haixiao Pan	Tongji University	BUILDING RESILIENT CITIES UNDER THE IMPACT OF COVID-19
A0101	Philippe DELCOURT	Urba2000	The Climate and Resilience Act - Towards a more environmentally friendly vehicle fleet

3b Part2

11:10-13:10 Paris, 17:10-19:10 Shanghai, 05:10-07:10 Michigan 29th Oct **Day2**

A0019	Haixiao Pan Song Sun(Speaker)	Tongji University	REGULATORY DETAILED PLANNING STRATEGY FOR SHORT-DISTANCE COMMUTING ORIENTED—A CASE OF SHANGHAI
A0023	Guihua Deng Ming Zhong	Wuhan university of technology	A "GREEN" INTEGRATED LAND-USE TRANSPORT MODEL AS A TOOL FOR SUPPORTING POLICYMAKING ON URBAN AND REGIONAL CLIMATE AND ENVIRONMENTAL RESILIENCE
A0026	Shuangying Wang Yuan Lu	Beijing Jiaotong University	RESEARCH ON THE PEDESTRIAN ACCESS OF THE PERIPHERY OF LARGE-SCALE RAILWAY PASSENGER TRAFFIC HUB BASED ON TOD MODEL
A0083	Tianren Yang	The University of Hong Kong	UNLOCKING THE LONG-TERM POTENTIAL OF LAND VALUE UPLIFT IN NEW SUBSIDIARY CENTRES: HOW DOES PLANNING MATTER?

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Keynote 3

8:00-10:00 Paris, 15:00-17:00 Shanghai, 03:00-05:00 Michigan 4th Nov **Day3**

K3-1	Qing Shen	Prof,University of Washington	Safeguarding Equitable Transportation: An Examination of ADA Paratransit Usage Change during COVID-19 Pandemic
K3-2	ZHU Hong	Vice director, Shanghai Urban-Rural Construction and Transportation Development Research Institute	Shanghai Transport Development Strategy to Carbon Neutrality Target (in Chinese with interpretation)
K3-3	Luis MARTINEZ	Transportation analyst, International Transport Forum(OECD-OCDE)	Speech title to be confirmed

Session-4 Accessibility and logistics in city

10:10-12:10 Paris, 17:10-19:10 Shanghai, 05:10-07:10 Michigan 4th Nov **Day3**

A0062	Xu Cui	SOUTHWEST JIAOTONG UNIVERSITY	SPATIAL ECONOMIC VITALITY OF TOD: REGIONAL PLANNING AND DESIGN STRATEGY OF URBAN RAIL STATION BASED ON "PASSENGER FLOW-SPACE-ECONOMY" MECHANISM, TAKING CHENGDU, CHINA AS AN EXAMPLE (in Chinese with interpretation)
A0201	Michel ROSTAGNAT	General Council for Environment and Sustainable Development (CGEDD), Ministry for an Ecological Transition	Urban logistics resilience challenges
A0007	Mazzoni Cristiana FAN Lang Flavia Magliacani(speaker)	ENSA Paris Belleville ORIA Paris ENSA Paris Belleville	INNOVATIVE FORMS OF HOUSING AND MOBILITY FOR PARIS 2024
A0025	Dijia GONG	Zhejiang Normal University	"PASSENGER TRANSPORTATION + LOGISTICS" PRACTICE BASED ON URBAN-RURAL PUBLIC TRANSPORTATION: A CASE STUDY OF YONGKANG IN ZHEJIANG PROVINCE
A0057	Yang Zhou Caiyun Qian Zixiong Wei	Nanjing tech university	THE RESEARCH ON THE EVALUATION OF STREET SPACE FRIENDLINESS OF RESIDENTIAL BLOCKS

Session-5 AI and Mobility Analytics

5a Traffic management and ridesourcing

10:10-11:40 Paris, 17:10-18:40 Shanghai, 05:10-06:40 Michigan 4th Nov **Day3**

A0009	Alisoltani Negin Ameli Mostafa Zargayouna Mahdi Leclercq Ludovic	GeoTwin SAS, Paris, France	A NEW SMART DECOMPOSITION OF THE OPTIMIZATION PROBLEM FOR DYNAMIC RIDE-SHARING
A0035	Xumei Chen	Beijing Jiaotong University	WHAT MOTIVATES DRIVERS TO COMPLY WITH GUIDANCE INFORMATION AT SIGNALIZED INTERSECTIONS?
A0043	Jinming Yang Zhong-Ren Peng Wei Zhai Hong-Wei Wang Xiao-Fan Wei	Shanghai Jiao Tong University University of Florida Hong Kong Baptist University Huawei Technologies CO., Ltd Shanghai Jiao Tong University	EXPLORING COST-EFFECTIVENESS AND ENVIRONMENT IMPACTS OF DIFFERENT MICROTRANSIT MODES

5b Technological systems

8:00-10:40 Paris, 15:00-17:40 Shanghai, 03:00-05:40 Michigan 5th Nov **Day4**

A0015	Xiang GAO	Thales SEC transportation system limited company	NEXT GENERATION OF METRO TRAIN CONTROL SYSTEM
A0098	Ze Shen Lun Zhang	Tongji University	DATA ANALYSIS AND OPERATIONAL IMPACT ANALYSIS OF URBAN RAIL TRANSIT FAILURE AND EMERGENCY: EVIDENCE FROM CREDIBLE INTERNET
A0099	Lin Liu Xichan ZHU	Tongji University	FOT SIMULATION TESTING METHOD FOR AUTOMATED DRIVING SYSTEMS
A0100	RUN LIU,Fu-Tian Wang,Zhi-Peng Wang,Hong-Di He,Cui-Lin Wu	Shanghai Jiao Tong University(1,4,5) Beijing Jiaotong University(2,3)	IDENTIFICATION OF SUBWAY TRACK IRREGULARITIES BASED ON DETECTION DATA OF PORTABLE DETECTOR
A0042	Chuanzhen Liu Zhongwei Xu	Tongji University	RESEARCH ON THE FRAMEWORK OF MULTI-MODE FUSION INTELLIGENT PUBLIC TRANSPORT SYSTEM
A0058	Lu Xiong	Tongji University	DEVELOPMENT AND FUTURE PROSPECTS OF ROADSIDE DETECTION TECHNOLOGY FOR INTELLIGENT TRANSPORTATION
A0204	Francine Depras Olivier Réaud(Speaker)	Association Française de Prospective (AFpP)	Articulating the Anthropocene era, the Aalborg charter, ODD 17, urban resilience

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Session-6 Demand Studies

8:00-10:40 Paris, 15:00-17:40 Shanghai, 03:00-05:40 Michigan 5th Nov **Day4**

A0030	Huanhuan Luo Shengchuan Zhao	Dalian University of Technology	SPATIAL EQUITY OF CHINESE HIGH-SPEED RAIL ACCESSIBILITY
A0041	Biao YIN Fabien Laurent	Ecole des Ponts ParisTech	MULTIMODAL PATTERNS OF INDIVIDUAL MOBILITY IN THE PARIS REGION FROM THE 2018 HOUSEHOLD TRAVEL SURVEY
A0087	Bing Liu Junyu Zhu	Tongji University Shanghai Tongji Urban Planning and Design Institute Co.,LTD.	STUDY OF 15-MINUTE-CITY BASED ON BICYCLE-SHARING ACTIVITIES IN SHANGHAI
A0091	Danyang Sun Fabien Laurent Xiaoyan Xie	Ecole des Ponts ParisTech CY Cergy Paris Université	ORIGIN-DESTINATION MATRIX ESTIMATION: A BAYESIAN VIEW ON TRAFFIC ASSIGNMENT USING PROBE TRAJECTORY DATA AND LINK COUNTS
A0031	Mi Diao Fangzhou Dai Tien Foo Sing	Tongji University(1) National University of Singapore(2,3)	IMPACTS OF URBAN RAIL TRANSIT LINES ON CAR OWNERSHIP: EVIDENCE FROM THE OPENING OF THE CIRCLE LINE IN SINGAPORE
A0090	Cheng Shi Haixiao Pan	Tongji university	CELL PHONE SIGNALING DATA AND ITS IMPLICATION FOR URBAN PLANNING IN HANGZHOU, CHINA

Closing & Award announcing

11:40-12:10 Paris, 18:40-19:10 Shanghai, 06:40-07:10 Michigan 5th Nov **Day4**