



Transport & Geography Commission
<https://igu-transport.org>

IGU Transport & Geography Commission's business meeting – Everyone's welcome!

August 18, 2026
Istanbul, Turkey





Transport & Geography Commission
<https://igu-transport.org>

PROGRAMME

1. Commission membership
2. Steering Committee
3. Reviewing 2025/2026 main activities
4. T&G Commission Travel Grant Awards (giving by A. Goetz) & Honours
5. Perspectives for 2027 onwards
6. Book Series: Transport, Mobilities & Spatial Change (by R. Knowles)
7. IRC 2026: Urban Transport Fieldtrip
8. Any other business

1. Commission membership

- Everyone is welcome!
- Join our **330 + members** for free – Simply register to our mailing list through <https://igu-transport.org/contact/>
- Follow us on LinkedIn: **296** followers (August 2026)

Mailing list: Brevo

Website: <https://igu-transport.org/>

LinkedIn Account: <https://www.linkedin.com/company/105801783/admin/notifications/all/>

YouTube channel: <http://www.youtube.com/@TGCommissionIGU>

**Welcome to join the IGU Transport &
Geography Commission's mailing list
via scan this QR code.**



2. Steering committee (2024-2028):

- 1 Chair + up to 10 members (incl. Vice-Chair and Secretary if any)
+ honorary members



Chia-Lin
CHEN
(UK, Chair)



Pengjun
ZHAO
(China, Vice-Chair)



Dong LIU
(Hong Kong,
Secretary)



Ernest
AGYEMANG
(Ghana)



Ela BABALIK
(Turkey)



Julie
CIDELL
(USA)



Aisling REYNOLDS-
FEIGHAN
(Ireland)



Rafael H. M.
PEREIRA
(Brazil)



Dorina
POJANI
(Australia)



Thomas
THEVENIN
(France)



Gordon
WILMSMEIER
(Colombia)



Richard
KNOWLES
(UK)



Andrew GOETZ
(Treasurer)
(USA)

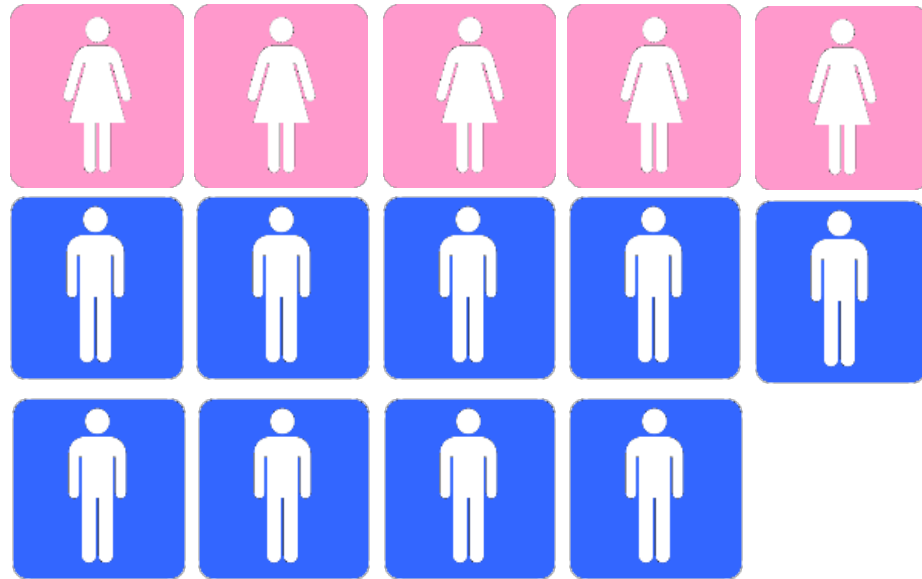


Frédéric
DOBRUSZKES
(Belgium)

Honorary members

2. Steering committee (2024-2028):

- Reminder: Our targets for 2024 onwards (Paris congress, 2022):
 - Improve gender equity
 - Develop geographical diversity (more members from developing countries as pointed out by IGU)



3. Reviewing 2025/2026 activities

Online workshop

Transport Geography Research in and on Africa”

22 January 2025



The collage features a video call with participants, a QR code for joining the Zoom meeting, and a poster for the 'Online Workshop Series' titled 'Transport Geography Research in and on Africa: Challenges and the way forward'. The poster includes the IGU UGI Transport & Geography Commission logo and the following details:

Online Workshop Series
Transport Geography Research in and on Africa: Challenges and the way forward
22 Jan 2025
12:00-14:00 GMT

Session Chair
Dr. Ernest Agyemang
Senior Lecturer, Department of Geography & Resource Development, University of Ghana

Programme

Time	Topic	Speaker
12:00-12:05	Welcome and Opening remarks	
12:05-12:30	Transportation Geography Research and Publication Challenges in Nigeria: looking back to look forward	Dr. Adedotun Joseph Adenigbo, Reader, Department of Logistics and Transport Technology, Federal University of Technology, Akure, Nigeria & Postdoctoral Research Fellow, Department of Transport and Supply Chain Management, University of Johannesburg, South Africa.
12:30-12:55	The differentiated effects of cross-border road renovations on local economies in the African Great Lakes region: An exploratory qualitative approach	Ms. Barthélémy Rahuel Ngoriye, Doctoral Candidate, Université Catholique de Bukuru, D.R. Congo and Brussels Free University, Belgium.
12:55-13:20	Exploring and Communicating the Transportation Geography of Ghana: Analyzing Historical Challenges to Guide Future Developments	Dr. Ernest Agyemang, Senior Lecturer, Department of Geography & Resource Development, University of Ghana
13:20-14:00	Debates & Discussions	

Organised by Steering Committee member **Dr Ernest Agyemang** & Honorary steering committee member **Frédéric DOBRUSZKES**

RGS-IBG Annual International Conference, Birmingham, UK

28 Aug 2025

- 1 themed session / 2 slots / 10 papers
Rethinking Transit-Oriented Development: Integration, Equity, Strategic Planning and Investment”



Co-convened by **Dr Chia-Lin Chen** and Professor **Richard Knowles**. Subsequently, the session was successfully approved for development into a special issue on the *Journal of Transport Geography*

3. Reviewing 2025/2026 activities

Online workshop

“Moving Forward – Understanding Women’s Realities in Urban Transport”

3 September 2025

Organised by Steering Committee member **Dr Dorina Pojani**, this online workshop examined women’s lived experiences of urban mobility, safety, and accessibility.



10th EUGEO 2025 Vienna, Austria,

8-11 September 2025

3 themed sessions (5 slots / 19 papers)

The changing and contrasting geographies of railways in Europe;

Quantitative approaches for disabled mobility studies: Rationale, issues, pitfalls and results,

& Transborder and Cross-border Transportation: Connectivity, Accessibility, and Mobility



3. Reviewing 2025/2026 activities

Annual Steering Committee Meeting (Online)

26 November 2025

Key discussions include

- Progress in gender balance and global representation;
- The Commission's financial position and the strategic use of funds to support early career researchers' travel grants;
- Approval of a new travel support policy for Steering Committee members affiliated with institutes in low- and lower-middle-income countries;
- Updates to the travel grant support for early-career participants (increase in the funding amount);
- Ongoing efforts to secure hybrid sessions at IGU meetings to widen the participation, particularly for the IGC Melbourne in 2028;
- and Initiatives to support early-career and young researchers at the IRC Istanbul 2026, including conference side events and field-based knowledge exchange activities.

IRC 2026 Istanbul Turkey

17-21 August 2026

- 11 themed sessions / 19 slots / 68 papers + 5 posters
- Several new conveners – A big thank to them
- **A huge thank to Dong Liu for smooth and efficient management!**



3. Reviewing 2025/2026 activities

Networking activities

Transport Geography Research in and on Africa"

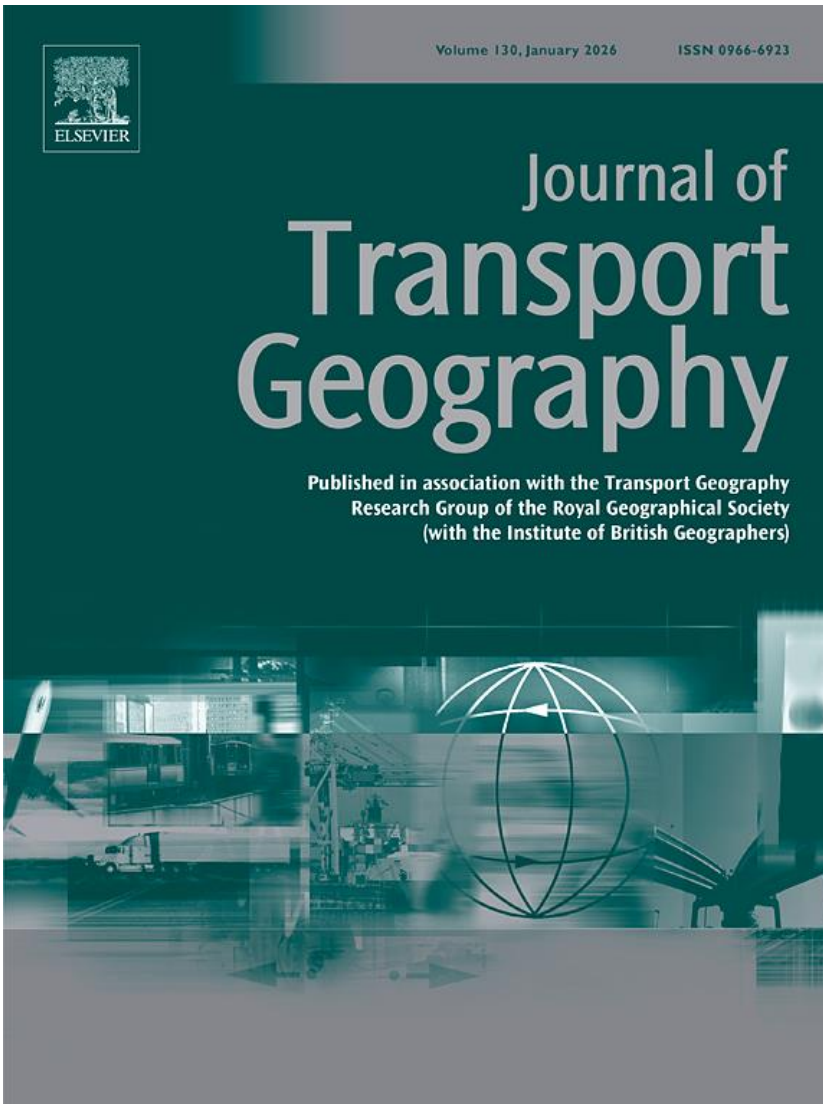
16-18 May 2025

3rd International Symposium on Transport Geography

WUHU, CHINA 16-18 May, 2025



3. Reviewing 2025/2026 activities



Journal of Transport Geography Becomes Official IGU Transport & Geography Commission Journal and IRC 2026 Abstract Reminder

Another highlight is the initiative of designating the *Journal of Transport Geography* as the official journal of the Commission in collaboration with the publisher Elsevier who has in principle expressed support for such association including promote IGU's conference alongside their other activities; the official outlet for conference papers; in return IGU would provide support to the strategic activities and aspirations of the journal.

3. Reviewing 2025/2026 activities

Publications

Book projects: “*Historical Transport Networks Europe 1500-Present*” and “*Geographies of high-speed rail*” were two book projects associated with the two sessions at IGC Dublin 2024.

Special issues:

A thematic session in IGC Dublin were approved for a **special issue** on “*Cities*”, entitled “***Sustainable Transit-Oriented Development (STOD): New perspectives and Advances***”.

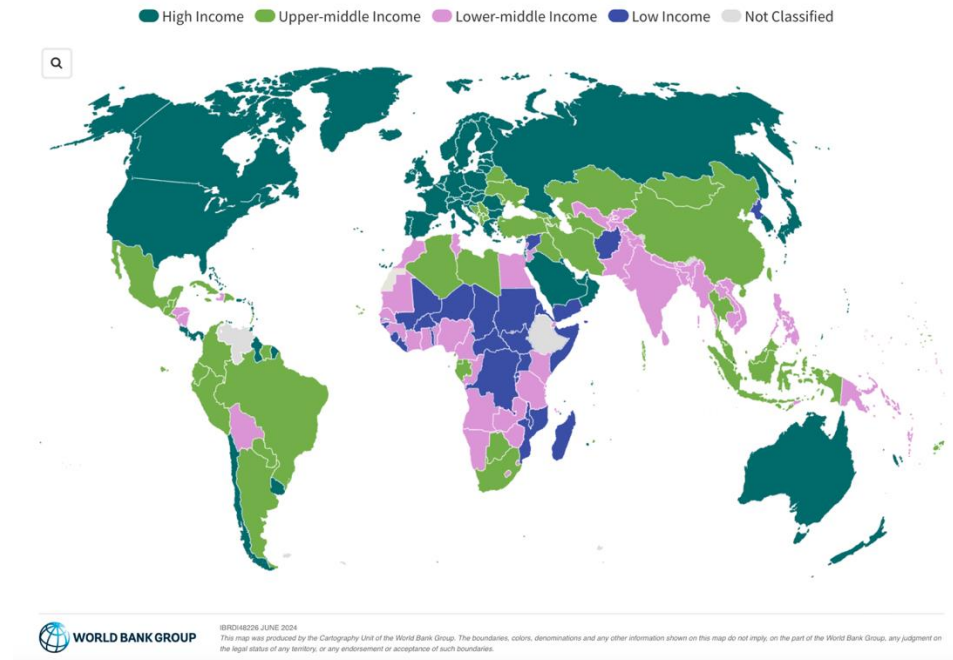
Published online from June 2026 and officially September 2026.

A further **special issue** on *Journal of Transport Geography*, ‘***Rethinking Transit-Oriented Development: Territorial Restructuring, Intermodality and Governance***’, derives from two special sessions organised by the commission at the Royal Geographical Society Annual Congress 2025 in Birmingham. The call for papers for this special issue opened on 1 December 2025 and closed on 30 September 2026, allowing for wider participation from scholars whose work is directly relevant to the topic.

4. T&G Commission Travel Grants giving (by A. Goetz)

Scheme:

- Travel grants offered to early-career talents and to colleagues from Low-middle-income countries.
- Applicants shall present at the IGU conference and shall demonstrate the added value of their attendance beyond presenting a paper
- \$800, \$1000, \$1600 subject to rationale and distance (also subject to changes over time depending on our future budget)



4. T&G Commission Travel Grants giving (by A. Goetz)



Dr Ernest Agyemang

Department of Geography & Resource
Development

College of Humanities, University of Ghana



“I just ordered for a ride and not a relationship”: Exploring the gendered user experiences among ride-hailing patrons in a low-income African city”



Dr Nadezda Krasilnikova

**The ILS – Research Institute for
Regional and Urban
Development gGmbH**



“The 15-minute city through a time-geographical lens: understanding multi-scale mobility patterns”

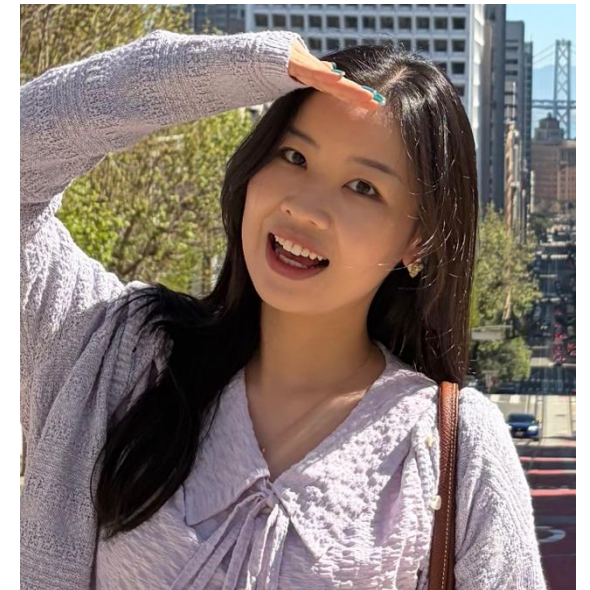


2026 laureates:

Yangqi Liu

Department of Geography and Resource
Management

The Chinese University of Hong Kong



Decoding walking behavior: a review of environmental and individual influences on pedestrian route choice

Celebrating the Achievements of Our Commission Members



The IGU Lauréats d'honneur



KNOWLES, Richard (United Kingdom)



IGU Early Career Award



LIU, Dong (China-Beijing)

5. Perspectives for 2027 onwards

- Themed sessions are key aspect of our Commission's live
- Everyone can propose themed sessions within both IGU/non-IGU scientific events, including:
 - 11th EUGEO 2027, 1-4 September 2027, Florence, Italy
 - 36th IGC, 9-14 July 2028, Melbourne, Australia
 - IGU Thematic Conferences (see <https://igu-online.org>)
 - Others such as AAG, RGS-IGB, RSA, ERSA, NECTAR, WCTR, Night of Geography, etc.



NOTE: T&G Commission sponsoring: please contact chialin@liverpool.ac.uk (chair of the commission)

5. Perspectives for 2027 onwards

Transport & Geography Commission's online workshop

- Thematic seminars, e.g. port, logistics and geopolitics, new trend in publishing (Pre-print, AI?) in journals related to transport geography
- Transport geography by countries/area
- Methods in transport geography
- Other ideas

Other activities are also welcome, including:

- Field trips
- Debates
- ...

Any ideas for T&G Commission sponsoring: please contact chialin@liverpool.ac.uk (new chair from next week)

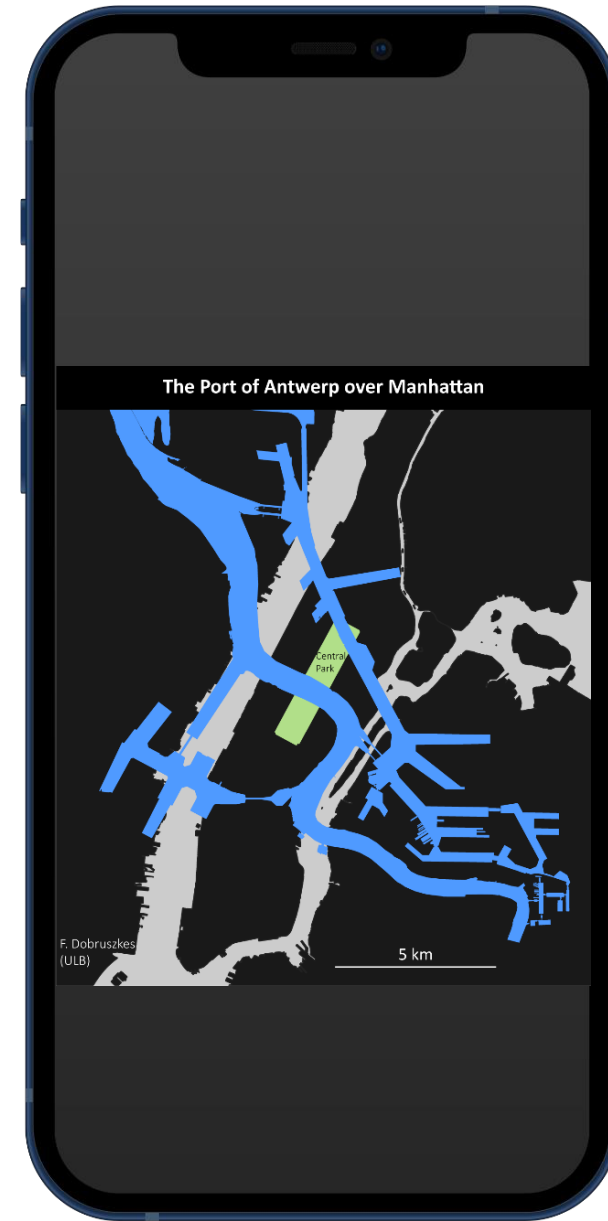
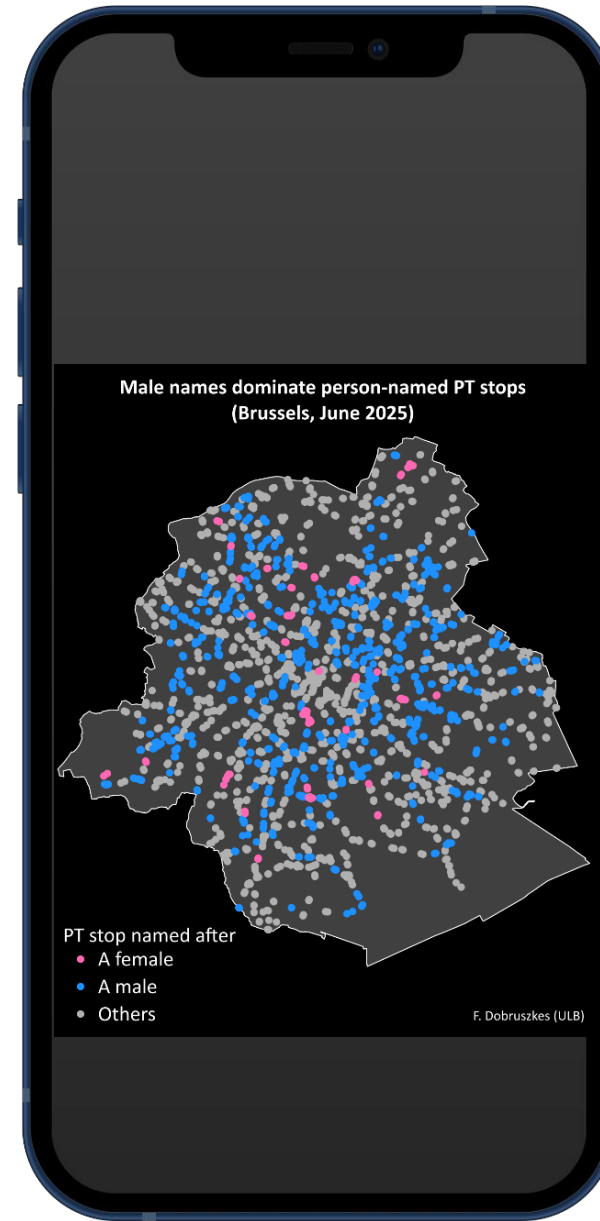
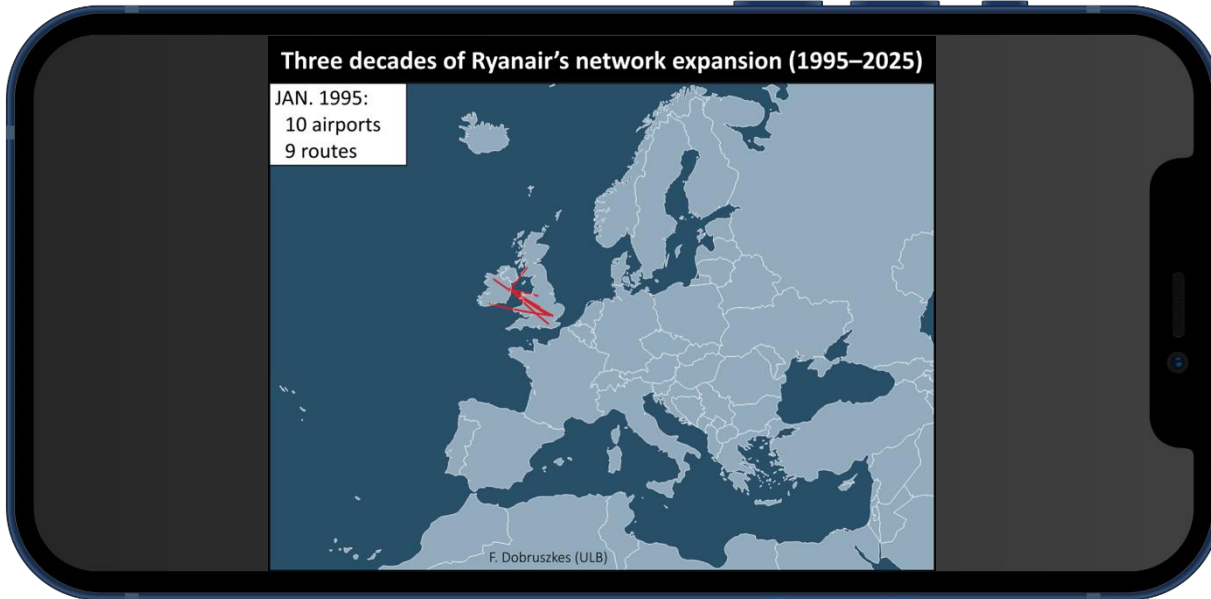
Transport Visualisation Spotlight

Showcases outstanding visualisations of transport and mobilities, whether static or animated, selected for both their scientific value and the quality of their visual communication.

Graphical choices should always serve the message.
Innovation is welcome, but never for its own sake.

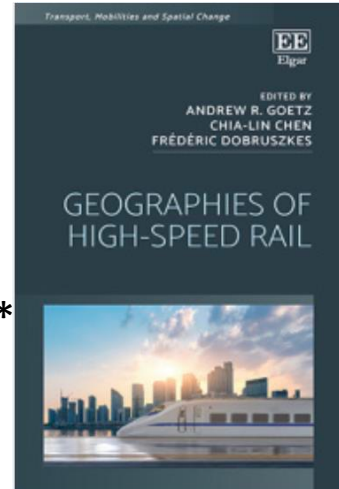
Curated by the Transport Visualisation Collective (Frederic Dobruszkes, Maël Dupriez & Jean-Clément Ullès) under the auspices of the IGU Transport & Geography Commission.

Coming soon on [LinkedIn](#)



6. Edward Elgar Book series: Transport, Mobilities & Spatial Change

- **Series editors:** Richard D. Knowles & Markus Hesse
- Published in association with the Transport Geography Research Group of the Royal Geographical Society with the Institute of British Geographers
- **Titles in production:**
 - Geographies of High-Speed Rail, Edited by Andrew R. Goetz, Chia-Lin Chen and Frederic Dobruszkes, published October 2026
- **Titles in preparation:**
 - Transit-Oriented Development in the Global East by Yudi Liu: likely to be published c March/April 2027*
 - Planning High-Speed Rail for Territorial Transformation: A Comparative Perspective, by Chia-Lin Chen
- **Contact:** R.D.Knowles@salford.ac.uk & markus.hesse@uni.lu

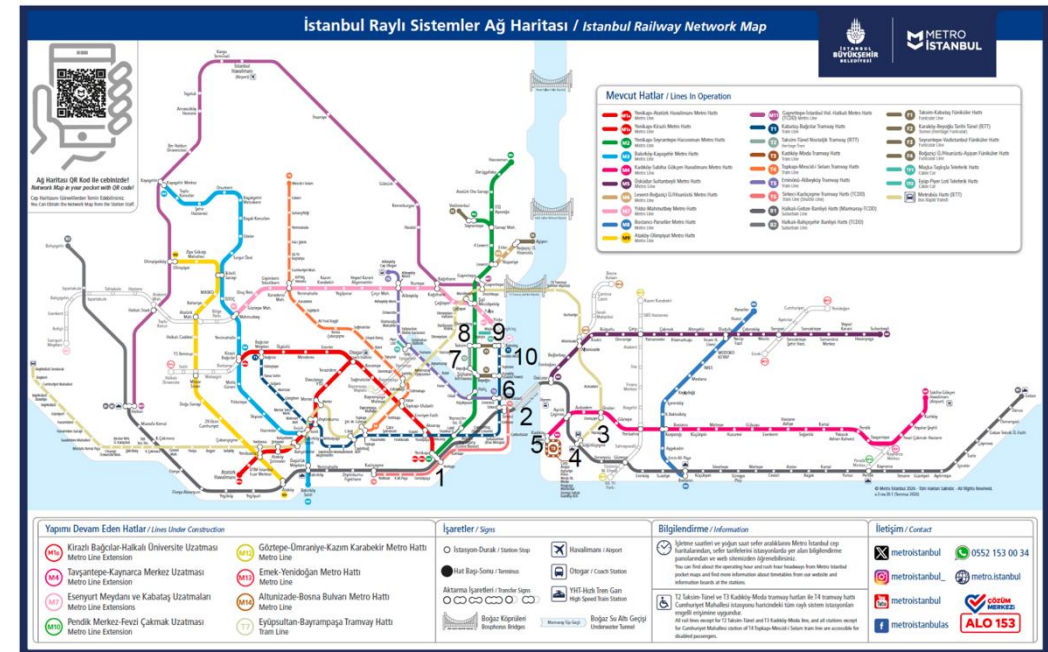


7. IRC 2026: Urban Transport Fieldtrip

Learning from Istanbul: A Field Trip Exploring Urban Transport Systems—Achievements and Challenges

Tomorrow, 19 August 2026 (13:00-14:00 Introductory session at the Faculty Board Meeting Room (3rd Floor) ; outdoors trip from 14:00)

Thanks so much for the amazing organization of Professor Ela **Babalik-Sutcliffe** to make it happen.



- | | | | | | | | | | |
|---|---|---|--|--|---|--|---|--|---|
| 1 – Walk to Yenikapı transfer station and hub | 2 – Marmaray (B1 Line) rail tunnel crossing under the Bosphorus to Söğütözü | 3 – BRT ride from, or observing the system at, Söğütözü station | 4 – Walk from Söğütözü BRT Station to Kadıköy Pier | 5 – Ferry ride from Kadıköy pier to Karaköy pier | 6 – Walk from Karaköy pier to Tünel area and Tünel ride (F2) to Beyoğlu | 7 – Observing the Metro M1 connection at Tünel-Şişhane-Beyoğlu area and heritage tram ride (T2) from Tünel to Taksim | 8 – Observing the pedestrianisation project at Taksim Square; Metro M1 and Kabataş Funicular Stations | 9 – Funicular ride (F1) from Taksim to Kabataş | 10 – Tram ride (T1) to the Congress Venue (Laleli-Üniversite Station) |
|---|---|---|--|--|---|--|---|--|---|

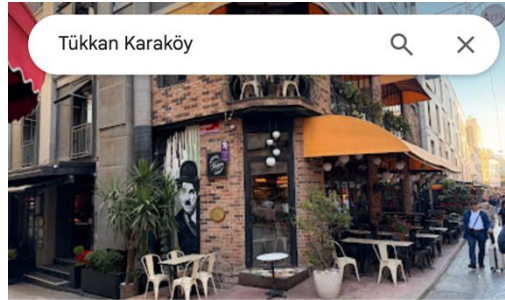
8. Any other business

- More information: follow our LinkedIn and visit our website at <https://igu-transport.org>
- Anything else?

Informal evening tonight!

From 18:30 at **Tukkan Karaköy** <https://tukkan.com.tr/>

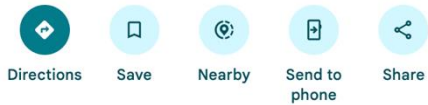
Directions: Take Tramway (T1) at stop “**Laleli-İstanbul Üniversitesi**” (Towards Kabataş) over 8 stops 22 minutes, get off at stop “**Tophane**”



Tukkan Karaköy

4.0 ★★★★★ (864) · ₺400–1,200
Cafe · ☒

Overview Menu Reviews About



✓ Dine-in · ✓ No-contact delivery

📍 Kemankes Karamustafa Paşa, Mumhane Cd.
No: 34, 34425 Beyoğlu/İstanbul, Türkiye

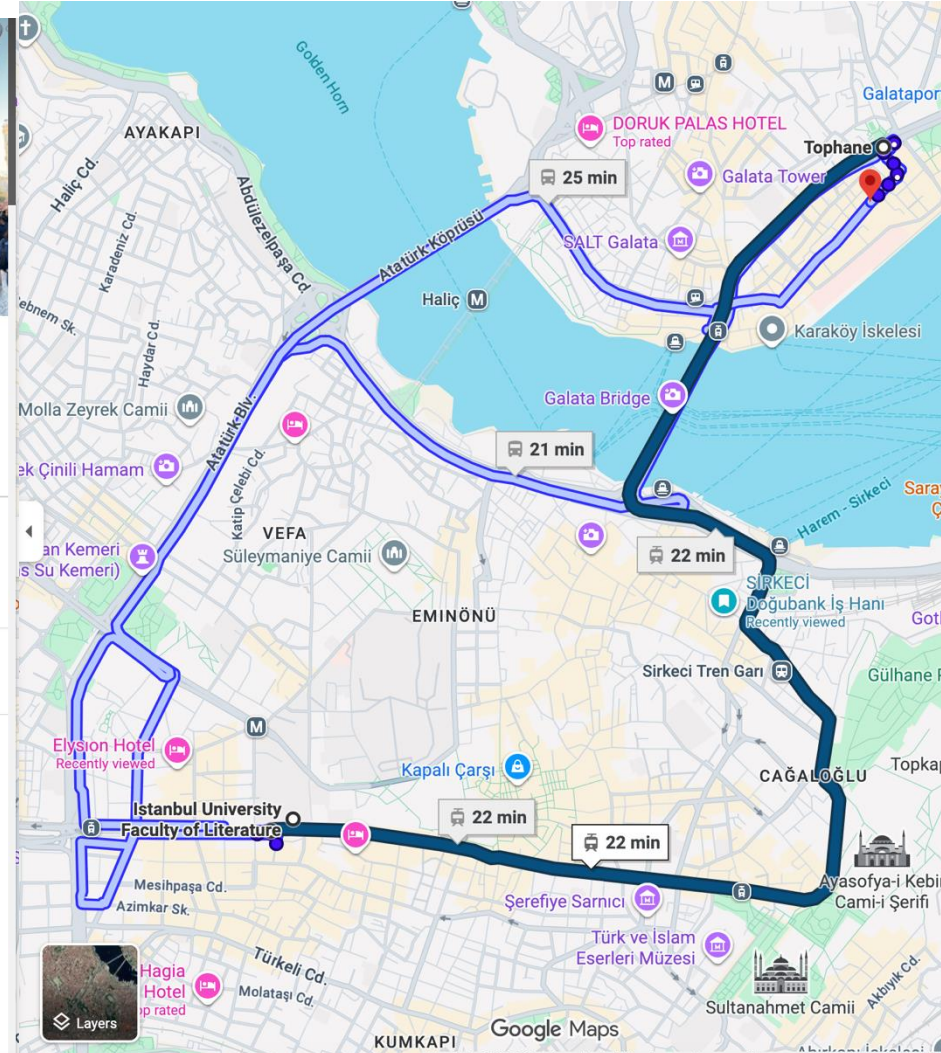
🕒 Closed · Opens 10 am

💰 ₺400–1,200 per person
Reported by 22 people

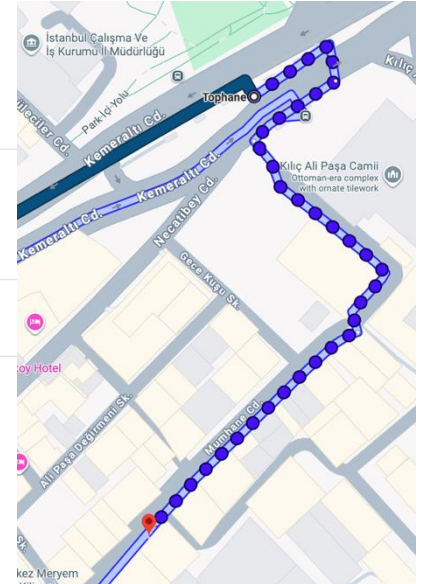
🌐 tukkan.com.tr

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📍 2XGH+4W Beyoğlu, İstanbul, Türkiye



6:02 PM	○ Istanbul University Faculty of Literature Balabanağa Mahallesi Ordu Cad, Laleli Cd. No:6, 34134 Fatih, Türkiye
	Walk ✓ About 2 min, 140 m
6:04 PM	○ Laleli-İstanbul Üniversitesi
	T1 Kabataş ^ 16 min (8 stops)
6:06 PM	○ Beyazıt
6:07 PM	○ Çemberlitaş
6:09 PM	○ Sultanahmet
6:11 PM	○ Gülhane
6:13 PM	○ Sirkeci
6:15 PM	○ Eminönü
6:17 PM	○ Karaköy
	Service run by Metro İstanbul - Route information
6:20 PM	○ Tophane
	Walk ✓ About 4 min, 270 m
6:24 PM	○ Tukkan Karaköy Kemankes Karamustafa Paşa, Mumhane Cd. No: 34, 34425 Beyoğlu/İstanbul,





Transport & Geography Commission
<https://igu-transport.org>

Stay Tuned with IGU Transport & Geography Commission

August 18, 2026
Istanbul, Turkey



	Tuesday 18th		Wednesday 19th		Thursday 20th		Friday 21st	
	Parallel session 1 Location	Parallel session 2 Location	Parallel session 1 Location	Parallel session 2 Location	Parallel session 1 Location	Parallel session 2 Location	Session Location	
	Room 04 - Eratosthenes Room	Room 13 - Prof. Dr. Sirm Erinc Room	Room 09 / Room 07	Room 10 - Faik Sabri Duran Room	Room 03 - Evliya Celebi Room	Room 11 - Ibrahim Hakki Akyol Room	Room 05 - Strabo Room	
09:00 - 09:30							Geographies of High-Speed Rail	
09:30 - 10:00							Towards a Green and Safe Arctic Shipping Corridor	
10:30 - 11:00							Towards Regional Integration: Ports and Corridors of Cross-Border Transport	
10:30 - 11:30	Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights 1	Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale	Transport Shaping Space at Local, National and Global Levels 1	Transport Geography in Africa: Infrastructure, Mobility, and Social Transformation 1				
11:45 - 12:45	Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights 2	Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale / Towards a Green and Safe Arctic Shipping Corridor 1	Transport Shaping Space at Local, National and Global Levels 2	Transport Geography in Africa: Infrastructure, Mobility, and Social Transformation 2				
12:45-14:00	Lunch	Poster Presentation Session @ Exhibition Hall	Lunch	Poster Presentation Session @ Exhibition Hall 13:00-14:00 Urban Transport Fieldtrip Introduction Session @ Faculty Board Meeting Room	Lunch	Poster Presentation Session @ Exhibition Hall (with IGU Transport and Geography Commission posters: 1). Warsaw mobility under climate-oriented regulation: early adaptation and pathways to limit excess travel 2). Modelling mobility shifts induced by low emission zones: behavioral responses, spatial patterns and policy effectiveness 3). Mobile eyes on the street: can platform couriers help deter burglaries? 4). Multisource mobility and activity data for subnational outbreak early warning using long short-term memory and graph attention networks 5). High-speed rail resilience for wide-area mobility during major natural disasters)		
14:00 - 15:00	Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights 3	Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale / Towards a Green and Safe Arctic Shipping Corridor 2			Revisiting the Future of Mobility: Are We Really Experiencing Social and Technological Transformation? 1			
15:15 - 16:15	Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights 4		Harnessing Multi-Source Spatial Big Data & GeoAI: Advancing Mobility, Health, and Sustainability in Urban Futures 1	14:00-18:00 Urban Transport Fieldtrip Outdoor Activities	Revisiting the Future of Mobility: Are We Really Experiencing Social and Technological Transformation? 2			
16:45 - 18:00	16:45 - 17:45 IGU Transport and Geography Commission's Business Meeting @ Business Meeting Room 1		Harnessing Multi-Source Spatial Big Data & GeoAI: Advancing Mobility, Health, and Sustainability in Urban Futures 2			Resilience and Adaptability of Transport and Mobility Systems in the Face of External Shocks		
					IRC 2026 Regional Conference · Istanbul, Türkiye · 17–21 August 2026			
Themes (order by alphabet A-Z)				Session number	Paper number	Convenor/Chair		
Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale				1	4	Chia-Lin Chen & Nacima Baron		
Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale / Towards a Green Geographies of High-Speed Rail				1	8	Chia-Lin Chen & Nacima Baron		
Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale / Towards a Green Geographies of High-Speed Rail				1	2	Andrew Goetz		
Harnessing Multi-Source Spatial Big Data & GeoAI: Advancing Mobility, Health, and Sustainability in Urban Futures				2	9	Dong Liu & Jiaoe Wang		
Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights				4	15	Louissette Garcin		
Resilience and Adaptability of Transport and Mobility Systems in the Face of External Shocks				1	4	Tomasz Komornicki		
Revisiting the Future of Mobility: Are We Really Experiencing Social and Technological Transformation?				2	7	Darren Scott & Matthias Sweet		
Towards a Green and Safe Arctic Shipping Corridor				1	2	Pengjun Zhao		
Towards Regional Integration: Ports and Corridors of Cross-Border Transport				1	1	Chia-Lin Chen & Jie Huang		
Transport Geography in Africa: Infrastructure, Mobility, and Social Transformation				2	8	Jiaoe Wang & Ernest Agyemang		
Transport Shaping Space at Local, National and Global Levels				2	8	Chia-Lin Chen & Richard Knowles		
			In Total	19	68			

18 August Tuesday	C24.44: Transport Geography: Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights			
		Abstract No. / Title	Authors	Convenor/Chair
	10:30-11:30 Room 04 - Eratosthenes Room	1195 - Research on the impact of the built environment on passenger flow distribution in the overlapping area of adjacent rail transit stations	Yikang Zhang	Louisette Garcin
		1296 - Bayesian poisson modeling of built environment effects on pedestrian crash risk among older adults in mountainous urban areas	Chun Chen, Changchun Feng	
		1352 - Modeling determinants of link-level shared bike volumes with spatial interdependence and heterogeneity	Jen-Jia Lin, Chang-Yu Ho, Jing-Jie Ling, Chieh Hsueh	
1510 - Decoding walking behavior: a review of environmental and individual influences on pedestrian route choice		Yangqi Liu, Scarlett Jin		
C24.44: Transport Geography: Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights				
	Abstract No. / Title	Authors	Convenor/Chair	
11:45-12:45 Room 04 - Eratosthenes Room	1522 - Examining dual exposure to traffic congestion and in-vehicle crowding among older and younger adults using smart card data	Jiaomin Wei, Zihan Kan, Mei-Po Kwan	Louisette Garcin	
	1666 - Can daily mobility be modelled as the aggregation of individual behaviours?	Louisette GARCIN		
	1940 - Spatial heterogeneity in willingness-to-pay for drone delivery	Sunghoon Jang, Doosun Hong		
	2017 - Impacts of shanghai suburban railway airport link line on daily mobility and urban accessibility	Yufan Liu, Bing Liu		
C24.44: Transport Geography: Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights				
	Abstract No. / Title	Authors	Convenor/Chair	
14:00-15:00 Room 04 - Eratosthenes Room	2050 - Classifying heterogeneous commuting experiences via integrated wearable sensing and ecological momentary assessment	Wenqian Shi, Liang Ma	Louisette Garcin	
	2147 - When satisfaction no longer drives demand: rethinking rail mobility in the post-pandemic era	GAMZE AYDIN, SIMON BLAINEY		
	2185 - Cities as mobility systems: network analysis in a global south metropolis	Samuel Benkimoun		
	2194 - Evaluation of the choice of transport modes with the free-fare on public transport system in são caetano do sul, brazil	Aidan Rossi de Araujo, Andre Luis Squarize Chagas		
C24.44: Transport Geography: Modelling Mobility Behaviours: Diverse Methods, Shared Challenges, New Insights				
	Abstract No. / Title	Authors	Convenor/Chair	
15:15-16:15 Room 04 - Eratosthenes	2640 - Determinants of mobility choices in french region (lorraine): socio-demographic trajectories, employment, and spatial inequalities	Joubaire Sarah	Louisette Garcin	
	2654 - Ride-hailing alleviates transport poverty, but not for all	Kunbo Shi		
	3231 - Rethinking perceived accessibility: how economic and temporal constraints moderate the path to life satisfaction	Lixun Liu, Mengqiu Cao, Jonas De Vos, Donggen Wang, Robin Hickman		
C24.44: Transport Geography: Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale				
	Abstract No. / Title	Authors	Convenor/Chair	
10:30-11:30	1066 - Dynamic scales of geriatric emergency medical services in the fifteen minute city	Li Li		

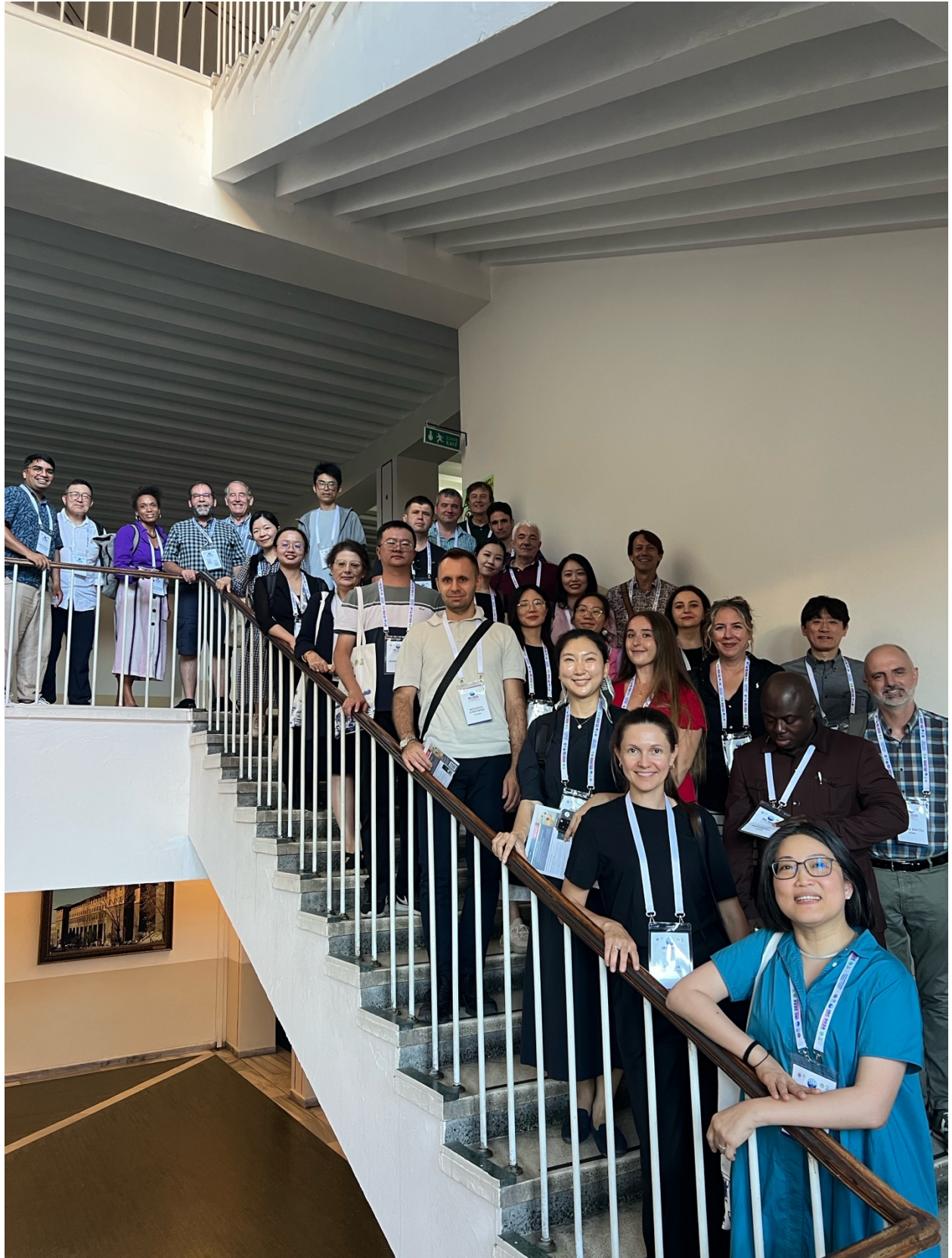
Room 13 - Prof. Dr. Sirri Erinc Room	1279 - The re-infrastructuration of small railway stations in europe : network scales, functional services and territorial values	Nacima BARON	Chia-Lin Chen & Nacima Baron
	1535 - 15-minute city and beyond: linking local and regional accessibility with urban vitality	Ting Jin, Mingzhi Zhou	
	1612 - Beyond walking: multiscalar public transport accessibility in the 15-minute city framework – evidence from warsaw	Slawomir Goliszek	
C24.44: Transport Geography: Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale /			
	Abstract No. / Title	Authors	Convenor/Chair
11:45-12:45 Room 13 - Prof. Dr. Sirri Erinc Room	1893 - Measuring barrier-free accessibility to public service facilities at the pedestrian segment scale: a case study of siping road subdistrict, shanghai	Xinyu Liu	Chia-Lin Chen & Nacima Baron
	2079 - Evaluating effects of proximity planning on climate change policies. a comparative analysis in barcelona and palma (spain).	Jaume Mateu	
	2103 - Arctic shipping opening and socio-economic transformation: pathways, opportunities, and vulnerabilities under climate change	Pengjun Zhao, Zhaoyou Yin	
	2208 - The 15-minute city through a time-geographical lens: understanding multi-scale mobility patterns	Nadezda Krasilnikova	
C24.44: Transport Geography: Advancing the 15-Minute City and Transport Geography Research Through Perspectives of Scale /			
	Abstract No. / Title	Authors	Convenor/Chair
14:00-15:00 Room 13 - Prof. Dr. Sirri Erinc Room	1068 - Arctic sea route access reshapes global shipping carbon emissions	Pengjun Zhao	Chia-Lin Chen & Nacima Baron
	2285 - The “psychological scale” of proximity: exploring 15mc travel behaviour patterns through human-centric connectivity in liverpool city region	Chia-Lin Chen	
	2482 - Decomposing the concept of 15-minute city in high-speed rail station areas: an empirical study of shanghai	Haixiao Pan, Xinyi Wang, Francesca Pagliara, Tahseen Bashir	
	2582 - Delineating bespoke neighbourhoods based on the use of urban amenities using mobile phone data	Yinhua Tao, Yongyi Zhang, Chenwei Yang, Chunjiang Li	
C24.44: Transport Geography: Transport Shaping Space at Local, National and Global Levels			
	Abstract No. / Title	Authors	Convenor/Chair
10:30-11:30 Room 09 - Carl Ritter Room	1485 - Facilitating transit-oriented development with integration between investment in tram-trains and strategic land use planning	Richard Knowles, Fiona Ferbrache	Chia-Lin Chen & Richard Knowles
	1583 - The dynamics of europe’s economic and demographic centres along long-term trajectories (1960–2020)	Piotr Rosik, Marcin Mazur, Slawomir Goliszek, Patryk Duma, Rafał Wiśniewski, Tomasz Komornicki	
	1697 - Perceptions of rail transport in suburban areas in poland: implications for transit-oriented development	Wojciech Jurkowski	
	1819 - Understanding the impacts of regional rail on the metropolitan spatial structure: insight from the seoul great train express	Yinzhu Yu, Chia-lin Chen	
C24.44: Transport Geography: Transport Shaping Space at Local, National and Global Levels			
	Abstract No. / Title	Authors	Convenor/Chair

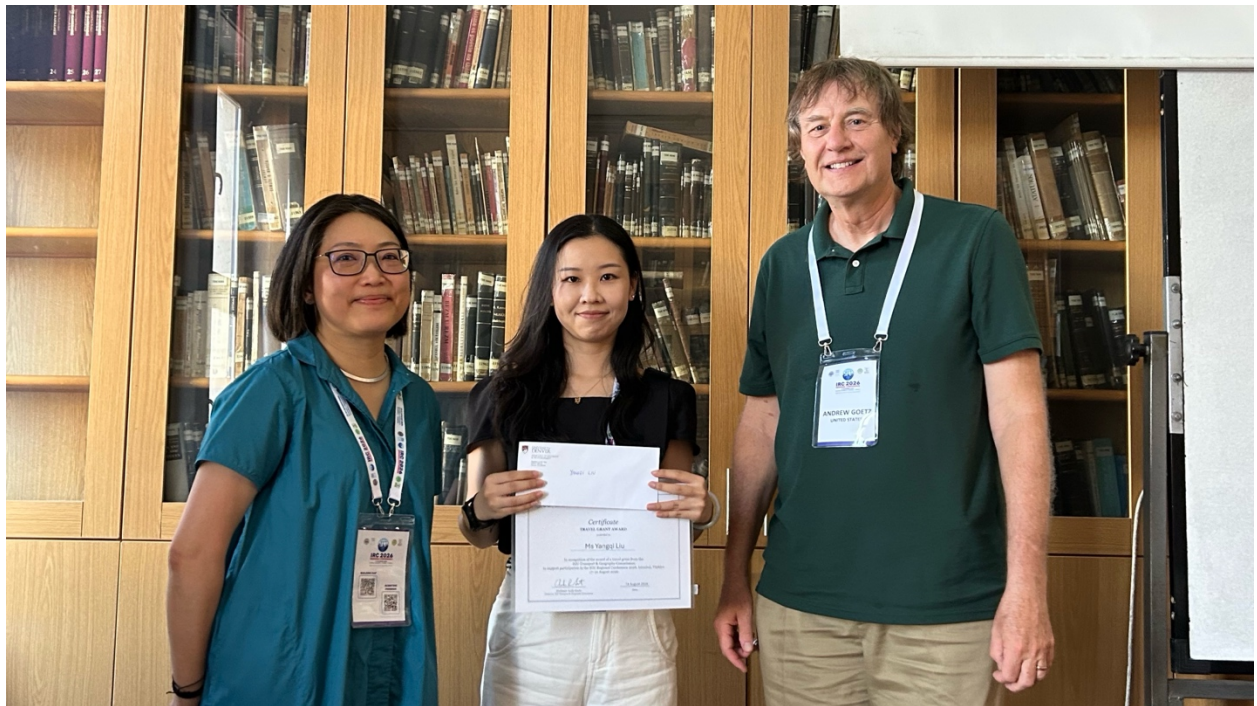
11:45-12:45 Room 09 - Carl Ritter Room	1982 - Evaluating the linkage between road connectivity, accessibility, and urban growth: a case study of north bengal, india	Kumar Rana Roy	Chia-Lin Chen & Richard Knowles
	2522 - Assessing the use and potential of cycling infrastructure in mexico city: a spatial and multiscalar approach	Manuel Suarez, Victor Reyes, Javier Delgado	
	2665 - A node-place-accessibility-ridership-per-time model to evaluate micromobility-friendly transit-oriented development potential in the hauts-de-france region	Alain L'Hostis, Dylan Moinse, Ahad Amini Pishro, Xavier Lehmann, Shiquan Zhang, Olivier Theureau, Heythem Adjeroud, Yuetong Liu, Qixiao Hu	
	2717 - Transport shaping rural space: public transport accessibility and spatial inequity in central europe and the alpine region (1990–2025)	Robert Guzik	
C24.44: Transport Geography: Transport Geography in Africa: Infrastructure, Mobility, and Social Transformation			
	Abstract No. / Title	Authors	Convenor/Chair
10:30-11:30 Room 10 - Faik Sabri Duran Room	1077 - The unequal benefits of mobility apps for women in the global south	Pauline Baudens	Jiaoe Wang & Ernest Agyemang
	1123 - Beyond passenger transport: the role of motorcycle taxis as integrated logistics providers in ugandan regional cities	Takuma Otani	
	1219 - Inclusive connectivity: spatial dynamics and determinants of transport infrastructure under chinese development finance in africa	Jiaoe Wang, Leibo Cui	
	1308 - “i just ordered for a ride and not a relationship”: exploring the gendered user experiences among ride-hailing patrons in a low-income african city	Ernest Agyemang	
C24.44: Transport Geography: Transport Geography in Africa: Infrastructure, Mobility, and Social Transformation			
	Abstract No. / Title	Authors	Convenor/Chair
11:45-12:45 Room 10 - Faik Sabri Duran Room	1382 - Towards african integration? the structural evolution of air transport network from 1996 to 2024	Jie Huang, Yang Gao, Fengjun Jin	Jiaoe Wang & Ernest Agyemang
	2002 - Spatial vulnerability assessment of african transportation infrastructure to extreme weather	Wenwei Tan, Jiaoe Wang	
	2429 - The impact of the mombasa–nairobi standard gauge railway on passengers’ happiness and well-being: a study based on maslow’s hierarchy of needs	Yongling Li, Jiaoe Wang	
	2770 - Algorithms versus asphalt: “smart informality” and tactics for diversion by ride-hailing drivers in cotonou	Raynald Ballo	
C24.44: Transport Geography: Harnessing Multi-Source Spatial Big Data & GeoAI: Advancing Mobility, Health, and Sustainability in			
	Abstract No. / Title	Authors	Convenor/Chair
15:15-16:15 Room 07 - Gerardus Stuurman	1118 - Differences in spatial patterns of inter-city travel from the perspective of traffic networks: new energy vehicles versus fuel vehicles	Yuanjun Li	Dong Liu & Jiaoe Wang
	1159 - The role of commute mobility in activity-space segregation: evidence from mobile phone data	Zhong Zheng	
	1176 - Attributing personal transport carbon footprints	Junxi Qu, Si Qiao	

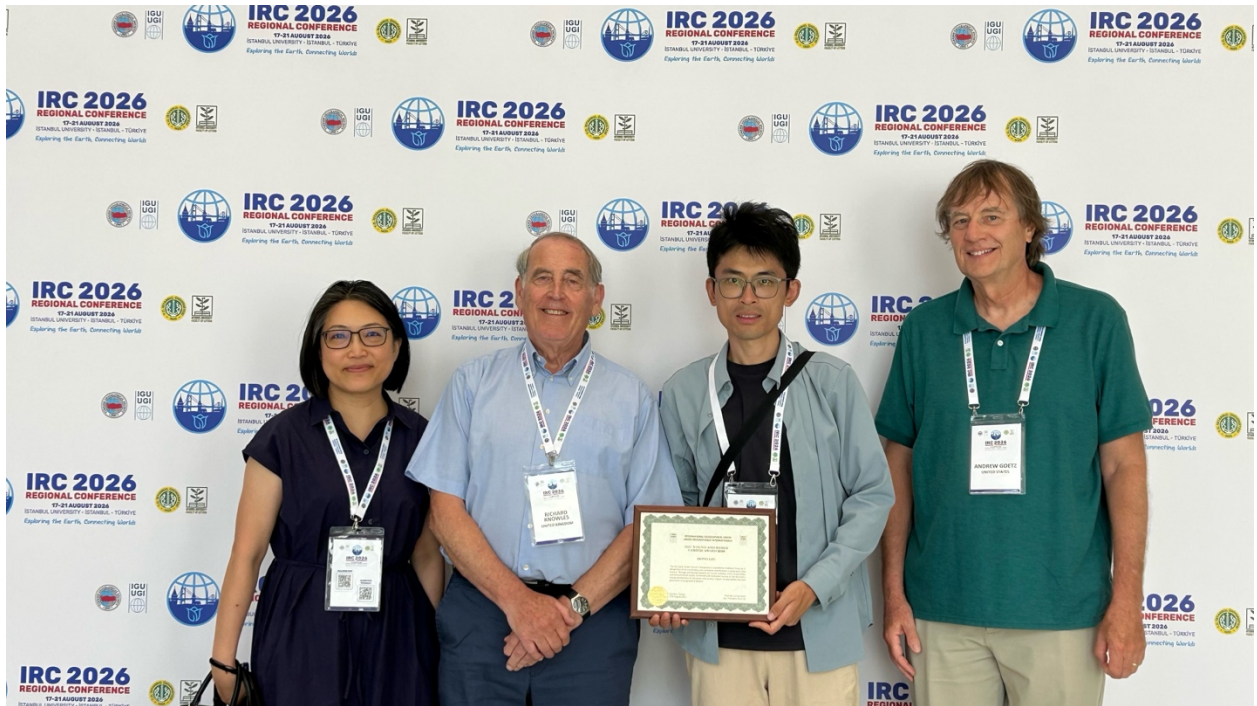
	Mercator Room	1190 - Revealing spatial inequalities in 15-minute park accessibility through integration of 3d pedestrian networks and crowd-sourced quality metrics	Dong Liu	
C24.44: Transport Geography: Harnessing Multi-Source Spatial Big Data & GeoAI: Advancing Mobility, Health, and Sustainability in				
		Abstract No. / Title	Authors	Convenor/Chair
16:45-18:00 Room 07 - Gerardus Mercator Room		1088 - Geography for the information age: building capacity, literacy, and sustainability in the digital anthropocene	Michael Meadows	Dong Liu & Jiaoe Wang
		1287 - A space-place tesseraect model for spatial big data and geoai	Shih-Lung Shaw, Yung-Ming Tsai	
		1731 - Who walks the streets? unraveling the urban-rural paradox and the role of empowerment through women's street visibility in india	Huan Lu, Bin Chen	
		2660 - A network-based approach to understand the risk of mobility-related social exclusion in spatiotemporal activities	Zihan Kan	
		3194 - Investigating mountainous environmental effects on elderly walking: a spatially heterogeneous and non-linear modelling approach	Lixun Liu, Longhui Yuan, Yuxuan Lan, Jiawei Cheng, Jiangjun Wan, David A. Clifton, Yujiang Wang	
20 August Thursday	C24.44: Transport Geography: Revisiting the Future of Mobility: Are We Really Experiencing Social and Technological Transformation?			
		Abstract No. / Title	Authors	Convenor/Chair
	14:00-15:00 Room 03 - Evliya Celebi Room	1067 - Is micromobility transforming urban mobility, or just rearranging inequality? full-chain metro–micromobility accessibility in zhengzhou, china	Li Li	Darren Scott & Matthias Sweet
		1761 - Autonomous public transport in malta: technological transformation or segregation?	Karyn Scerri, Maria Attard	
		1839 - Technology affinity: a pathway towards new mobility utopia or yet another niche?	Matthias Sweet, Darren Scott	
C24.44: Transport Geography: Revisiting the Future of Mobility: Are We Really Experiencing Social and Technological Transformation?				
		Abstract No. / Title	Authors	Convenor/Chair
15:15-16:15 Room 03 - Evliya Celebi Room		1955 - A new way to curb congestion? a us nationwide study on the impact of e-scooter sharing on urban congestion	Yiming Liu, Mingzhi Zhou, (Scarlett) Ting Jin	Darren Scott & Matthias Sweet
		2216 - The "micromobility hurdle": a pooled bivariate probit analysis of joint membership in shared bike and e-scooter systems across six canadian metropolitan areas	Darren Scott, Matthias Sweet	
		2253 - Towards a solar electric transport corridor in the amazon the case of the bobonaza river, ecuador	Ana Cristina Ocampo, Gordon Wilmsmeier, Oliver Utne	
		2632 - Smart information, unequal flexibility: how advanced traveler information systems reshape space-time flexibility in shopping travel	Rui Shao	
C24.44: Transport Geography: Resilience and Adaptability of Transport and Mobility Systems in the Face of External Shocks				
		Abstract No. / Title	Authors	Convenor/Chair
16:45-18:		1333 - Unraveling the nonlinearities between built environment and commuting resilience: a case study in beijing	Yang Gao, Fengjun Jin, Jie Huang	

00 Room 11 - İbrahim Hakkı Akyol Room	1334 - Synergistic effects of extreme heat and air pollution on urban mobility: nationwide evidence from china		Donggen Wang, Yuan Liang	Tomasz Komornicki
	1691 - Did covid-19 really change daily mobility in polish cities?		Tomasz Komornicki, Piotr Rosik, Slawomir Goliszek	
	1939 - Space of regions subjected to flows and transport systems in europe		Piotr Rosik, Marcin Mazur, Tomasz Komornicki, Patryk Duma	
21 August Friday	C24.44: Transport Geography: Geographies of High-Speed Rail			
		Abstract No. / Title	Authors	Convenor/Chair
	09:00-09:30 Room 05 - Strabo Room	1618 - Geographies of high-speed rail: what we have learned from 60 years of operation	Andrew Goetz, Chia-Lin Chen, Frederic Dobruszkes	Andrew Goetz
		2261 - Structural evolution and driving mechanisms of china's intercity high-speed rail connectivity network	Zijun Ding, Liang Dai, Kurt Fuellhart, Frank Witlox	
	C24.44: Transport Geography: Towards a Green and Safe Arctic Shipping Corridor			
		Abstract No. / Title	Authors	Convenor/Chair
	09:30-10:00 Room 05 - Strabo Room	1202 - Seasonal variability of ocean dynamics along the arctic northeast passage	Wenbo Wang	Pengjun Zhao
		1782 - North american and european sanctions, russia's eastward pivot, and the northern sea route: a quantitative assessment of substitution and risk for china's energy shipping corridors	Yuli Liu	
	C24.44: Transport Geography: Towards Regional Integration: Ports and Corridors of Cross-Border Transport			
		Abstract No. / Title	Authors	Convenor/Chair
10:30-11:00 Room 05 - Strabo Room	1137 - Do multiple port regions enhance disruption recovery of liner shipping? global evidence from vessel port-skipping behavior	Dong Yang, Tianyu Shang, Kun Wang	Chia-Lin Chen & Jie Huang	

Photos from IGU Transport and Geography Commission events during IRC2026, Istanbul







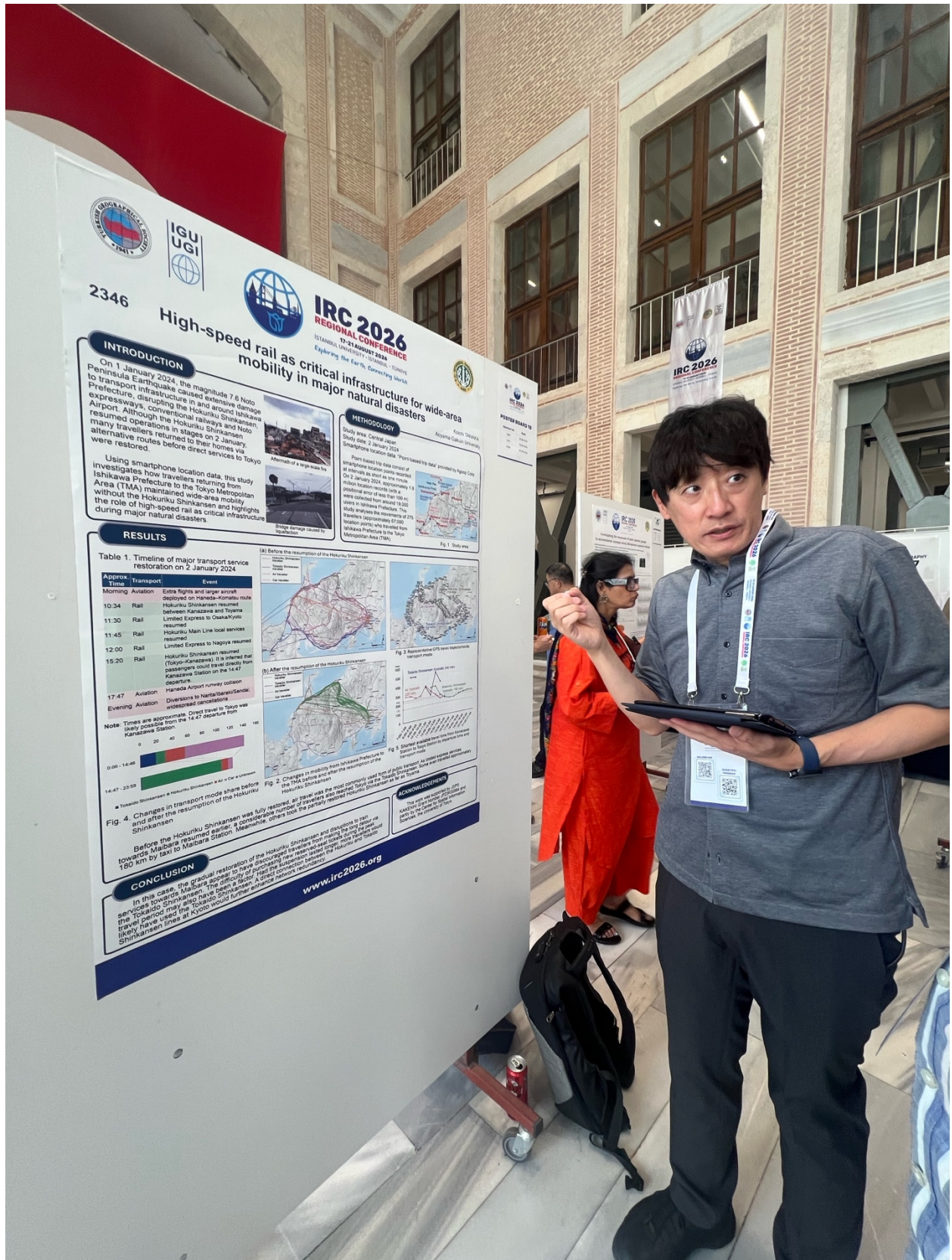












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High-speed rail as critical infrastructure for wide-area mobility in major natural disasters

INTRODUCTION

On 1 January 2024, the magnitude 7.6 Noto Peninsula Earthquake caused extensive damage to transport infrastructure in and around Ishikawa Prefecture, disrupting the Hokuriku Shinkansen expressways, conventional railways and Noto Airport. Although the Hokuriku Shinkansen resumed operations in stages on 2 January, many travellers returned to their homes via alternative routes before direct services to Tokyo were restored.

Using smartphone location data, this study investigates how travellers returning from the Tokyo Metropolitan Area (TMA) maintained wide-area mobility without the Hokuriku Shinkansen and highlights the role of high-speed rail as critical infrastructure during major natural disasters.



METHODOLOGY

Study area: Central Japan
Study date: 2 January 2024
Smartphone location data: "Turn based" data provided by Nippon City
From based on the data provided, at least 10,000 smartphone location data were collected from 2 January 2024, approximately 1.5 million location records with a positional error of less than 100 m were collected from around 10,000 users in Ishikawa Prefecture. This study analysed the movements of 275 travellers (approximately 57,000 location points) who travelled from Ishikawa Prefecture to the Tokyo Metropolitan Area (TMA).

RESULTS

Table 1. Timeline of major transport service restoration on 2 January 2024

Approx. Time	Transport	Event
Morning	Aviation	Extra flights and larger aircraft deployed on Haneda–Fukuoka route
10:34	Rail	Hokuriku Shinkansen resumed between Kanazawa and Toyama
11:30	Rail	Limited Express to Osaka/Kyoto resumed
11:45	Rail	Hokuriku Main Line local services resumed
12:00	Rail	Limited Express to Nagoya resumed
12:00	Rail	Hokuriku Shinkansen resumed
15:20	Rail	It is believed that (Tokyo–Kanazawa). It is believed that passengers could travel directly from Kanazawa Station on the 14:47 departure
17:47	Aviation	Haneda Airport runway closure
Evening	Aviation	Diversions to Narita/Haneda/Sendai, widespread cancellations

Note: Times are approximate. Direct travel to there was fairly possible from the 14:47 departure from Kanazawa Station.

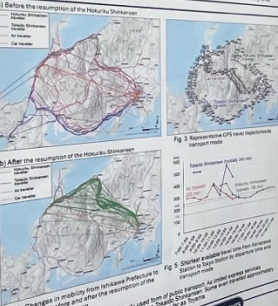


Fig. 4. Changes in transport mode share before and after the resumption of the Hokuriku Shinkansen

Before the Hokuriku Shinkansen was fully restored, all travel was the most commonly used form of transport, as shown in the figure. After the resumption of the Hokuriku Shinkansen, a considerable number of travellers are expected to have used the Hokuriku Shinkansen. A full of connection between the Hokuriku and Tokyo 180 km by taxi to Maibara station. Meanwhile, others took the partially restored Hokuriku Shinkansen or JR Tokaido Shinkansen.

CONCLUSION

In this case, the gradual restoration of the Hokuriku Shinkansen and options to travel services towards Maibara appear to have encouraged travellers not using the Tokaido Shinkansen. The effect of the gradual restoration of the Hokuriku Shinkansen may have been a factor in the restoration of the Tokaido Shinkansen. A full of connection between the Hokuriku and Tokyo 180 km by taxi to Maibara station. Meanwhile, others took the partially restored Hokuriku Shinkansen or JR Tokaido Shinkansen.

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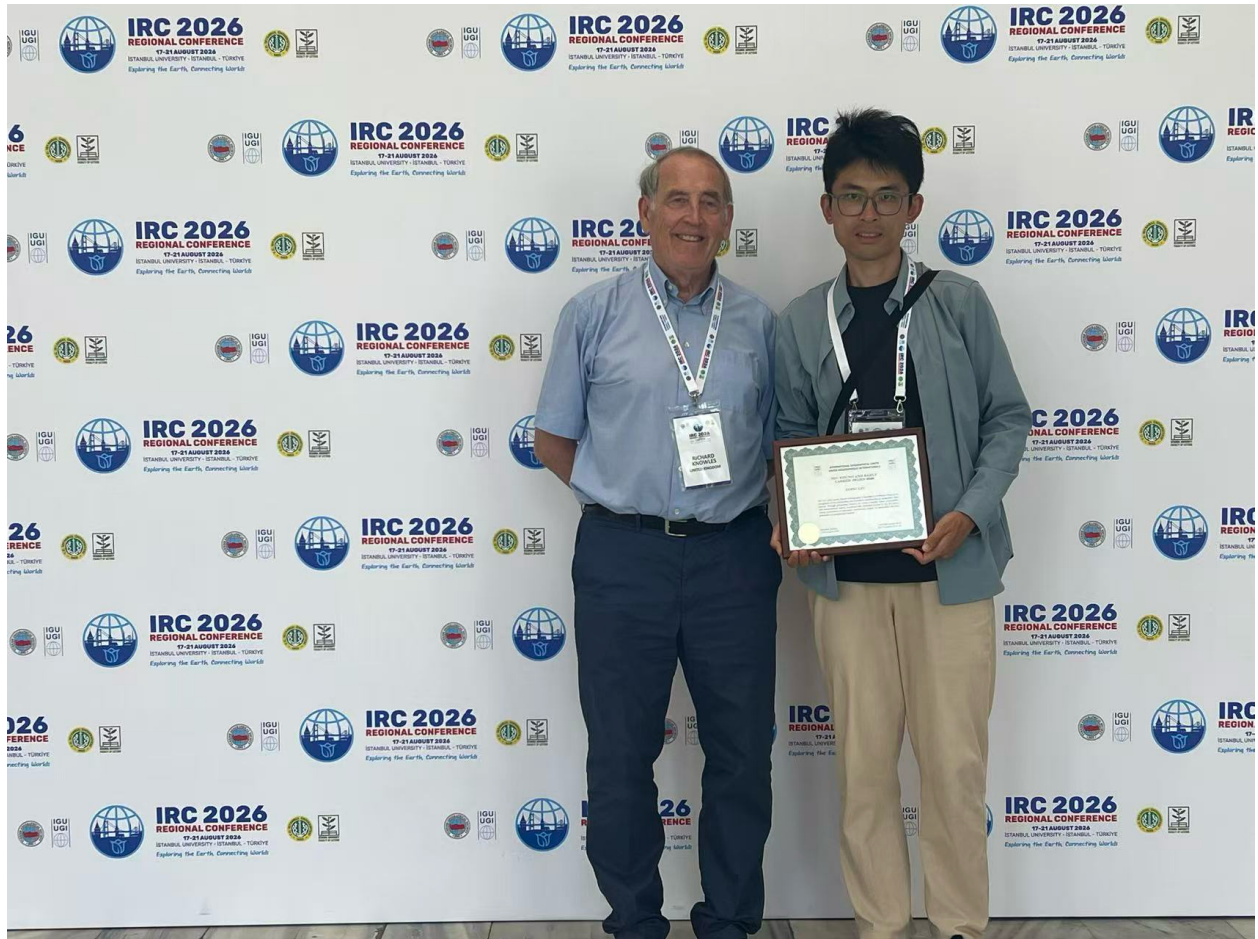
















4. Edward Elgar Book series: Transport, Mobilities & Spatial Change

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- Titles in preparation:
 - Transit-Oriented Development in the Global East by Yudi Liu, likely to be published c March/April 2027
 - Planning High-Speed Rail for Territorial Transformation: A Comparative Perspective, by Chia-Lin Chen

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