Chair of Transportation Systems Engineering
TUM School of Engineering and Design
Technical University of Munich

CONCERT JAPAN
Connecting and Coordinating
European Research and Technology Development with Japan

Transportation Resilience & Opportunistic Data

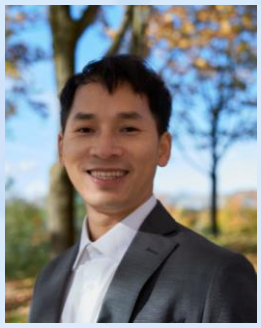
Tuesday 19th March 2024 – Technical University of Munich, Location: TUM Main campus, Arcisstrasse 21 Room (0507.01.713), Lageplan

The Chair of Transportation Systems Engineering of TUM invites you to discuss the recent advances in transportation resilience evaluation and optimization. The workshop mainly discusses the applications of emerging opportunistic data in this field. Experts from the field will present and discuss their work.

13:20 – 13:30	**Registration**
13:30 – 13:35	**Welcoming** and opening remarks **Constantinos Antoniou** (Technical University of Munich)
13:35 – 14:10	Deep learning anticipated urban mobility peaks **Jan-Dirk Schmöcker** (Kyoto University)
14:10 – 14:30	Estimating activity participation using crowdsourced data: Towards the resilience measurement of urban vitality and happiness **Wenzhe Sun** (Kyoto University)
14:30 – 14:50	Transfer learning for transportation demand resilience patterns prediction using floating car data **Qinglong Lu** (Technical University of Munich)
14:50 – 15:10	Temporal correlation between activities at POIs and traffic volumes using loop detector and Google Popular Times data from Kyoto **Törő Olivér** (Budapest University of Technology and Economics)
15:10 – 15:30	*Short break*
15:30 – 15:50	Urban nightlife: Analyzing the impact and recovery of COVID-19 in Madrid and Kyoto, based on mobile phone data and Google places activity trends **Gustavo Romanillos** (Complutense University of Madrid)
15:50 – 16:10	Measuring vulnerability, vitality and versatility of rural towns in the global north - A geospatial data analysis **Vineet Chaturvedi** (Technical University of Munich)
16:10 – 17:00	Discussion and conclusion


Jan-Dirk Schmöcker (KU)


Wenzhe Sun (KU)


Qinglong Lu (TUM)


Törő Olivér (BME)


Gustavo Romanillos (UCM)


Vineet Chaturvedi (TUM)

This is a free admission event. For organizational purposes, please register at the following link: Click here.

Contact: Chair of Transportation Systems Engineering e-mail: qinglong. lu@tum.de

website: www.mos.ed.tum.de/vvs/