

Research Network on Transportation



23rd Meeting of the Transports Study Group

Hotel SANA Silver Coast, Caldas da Rainha

12-13 February 2026

GET2026 Organizing Committee

Álvaro Costa (FEUP)
Patrícia Baptista (IST)
Sandra Melo (CEiiA)
Tiago Farias (IST)

GET2026 Scientific Committee

Álvaro Costa (FEUP)
António Andrade (IST)
Filipe Moura (IST)
João Bigotte (UC)
Joaquim Macedo (UA)
Margarida Coelho (UA)
Patrícia Baptista (IST)
Sandra Melo (CEiiA)
Sara Ferreira (FEUP)
Tiago Farias (IST)



Agenda

12th February 2026

9:30 Registration

10:00 Welcoming session by Sandra Melo & Patrícia Baptista

10:10 João Marrana, Presidente do Conselho de Administração da Metro Mondego, chair: Álvaro Costa (FEUP)
Q&A

11:00 Technical session on *Planning and Governing Integrated, Data-Driven Mobility Systems*, chair: António Andrade (IST)

(A1) MS-MRS-RAIL: MULTISCALE MODELLING OF RISK AND SAFETY IN RAILWAY SYSTEMS

António R. Andrade, IST

(A2) AGENDA BE.NEUTRAL: INTEGRATED URBAN ENERGY AND MOBILITY PLANNING THROUGH DIGITAL TWINS IN GUIMARÃES

Reza Abbasi; Anselmo Cardoso; Sandra Melo; Ricardo Oliveira; Ricardo Gomes; Patrícia Baptista, CEiiA & IST

(A3) ADVANCING MULTIMODAL TRANSPORT SYSTEM MANAGEMENT THROUGH THE DEVELOPMENT OF DECISION SUPPORT TOOLS

J. Hora, J. Teixeira, S. Felício, J. Almeida, I. Sardinha, M. Afonso, H. Rocha, A.R. Costa, A.R. Pereira, T. Sobral, R. Rossetti, A. Couto, J.P. Tavares, M.C. Ferreira, T. Galvão Dias, FEUP / OPT

(A4) NUDGING SUSTAINABLE COMMUTING BEHAVIOR

M. Afonso, R. Rossetti, FEUP

(A5) MOBILITY AS A SERVICE (MAAS): DEFINING THE ROLE OF PUBLIC AUTHORITIES

Mauricio Orozco-Fontalvo; Oscar Oviedo-Trespalacios; Filipe Moura, IST / TU Delft

(A6) THE CONCEPT OF TRANSPORT-ORIENTED DEVELOPMENT (TOD) IN SMALL METROPOLITAN REGIONS: THE CASE OF COIMBRA

João F. Bigotte; Patrícia Bretas, UC

12:30 Group picture and Lunch

14:00 Technical session on *Data-Driven Safety and AI-Enabled Decision Support in Transport Systems*, chair: Filipe Moura (IST)

(A7) GTFSHIFT: An R Tool to Assist Bus Lane Prioritization Using GTFS and OSM Data

G. F. Matos; R. Félix; F. Moura, IST

(A8) TRANSFORMING TRANSPORT KNOWLEDGE INTO ACTIONABLE INSIGHTS: DSAIVE – A FRAMEWORK FOR AI-ASSISTED DECISION SUPPORT

J. Oliveira; A. Mendes; M. Ferreira, FEUP / INESC TEC

(A9) ROAD SAFETY IN A CHANGING CLIMATE: GLOBAL EVIDENCE ON THE EFFECTS OF EXTREME WEATHER EVENTS

Belzénia A. B. Matsimbe; Anelise Schmitz; Sara Ferreira; Tatiana Maria Cecy Gadda, FEUP / Universidade Tecnológica Federal do Paraná

(A10) AI-BASED MONITORING SYSTEM FOR FATIGUE DETECTION IN PROFESSIONAL TRUCK DRIVERS: FROM SIMULATION TO REAL-WORLD VALIDATION

T. Fonseca; S. Ferreira, FEUP / CITTA

(A11) PROFILING DRIVER BEHAVIOURAL PATTERNS FROM MOBILE APP DATA

Nuno Figueiredo; António Lobo; Ana Loureiro; Sara Ferreira; Sérgio Pedro Duarte, FEUP / UC

(A12) SPATIAL MODELING OF ACCESSIBILITY IMPACTS ON LOCAL DEVELOPMENT

S. Freiria, N. Sousa, UAveiro / Uaberta

15:45 Poster session 1 on *Tools, data and perspectives for sustainable urban mobility*, with short pitch of 2 minutes and coffee break, chair: Joaquim Macedo (UAveiro)

(P1) FUTURE SCENARIOS OF URBAN MOBILITY WITH AUTONOMOUS VEHICLES THROUGH MULTI-AGENT SIMULATION

João Amorim; Patrícia Baptista; Tiago Farias, IST

(P2) OPTIMIZATION OF HOP-ON HOP-OFF TOURIST TRANSPORT SERVICE: APPLICATION TO THE CITY OF COIMBRA

João F. Bigotte; Mariana Fernandes, UC

(P3) UNDERSTANDING ROAD ACCIDENT SEVERITY AND HOTSPOTS IN PORTUGAL THROUGH DATA ANALYTICS

E. Macedo; E. Ferreira; A. Pascale; P. Fernandes, UAveiro

(P4) OPERATIONALISING THE AIRPORT METABOLISM FRAMEWORK: EVIDENCE FROM A MID-SIZE EUROPEAN AIRPORT

María Santos-Alfageme; Rosário Macário; Patrícia Baptista, IST

(P5) THROUGH THE BUS DRIVER'S EYE: LINKING OPERATIONAL DATA AND DRIVER PERSPECTIVES TO BUS SERVICES MONITORING AND PLANNING

G. F. Matos; R. Félix; F. Moura, IST

(P6) BENCHMARKING FOR SUSTAINABLE URBAN MOBILITY: A CLUSTER ANALYSIS APPROACH

Carlos Sampaio; Lígia Conceição; André M. Carvalho, Universidade NOVA de Lisboa / Universidade do Porto

16:30 Technical session on *Planning, Inclusion and Policy for Sustainable Urban Mobility*, chair: Margarida Coelho (UAveiro)

(A13) ALLABOARD: INCLUSIVE ACCESSIBILITY IN TRANSPORT HUBS

António Lobo; Marta Campos Ferreira; Pedro Mêda; Teresa Galvão; António Augusto Sousa; José Pedro Tavares; Fernando Brandão Alves; António Coelho; Ana Bastos Silva; Sérgio Pedro Duarte, UC/FEUP/INESC TEC

(A14) YOUTH4MOBILITY: YOUTH AS AGENTS OF CHANGE FOR INCLUSIVE URBAN MOBILITY IN 15-MINUTE NEIGHBOURHOODS

António R. Andrade, IST

(A15) YOUTH MOBILITY AND SUSTAINABLE TRANSPORT: THE Y-MOVE EUROPEAN PROJECT

J. Macedo; M. C. Coelho, UAveiro

(A16) METROPOLITAN PLANNING AS A LEVER FOR SUSTAINABLE URBAN MOBILITY TRANSITIONS

Juliana Carvalho; Jorge Pinho de Sousa; Rosário Macário, INESC TEC / Universidade do Porto / IST

(A17) EMPOWERING ENERGY-EFFICIENT URBAN COMMUNITIES THROUGH SMART LIGHTING - THE INTERREG EUROPE PROJECT RESONANCE

E. Macedo; J. Bandeira; T. Tchemisova; A. Moura; L. Gonçalves; C. Martins, UAveiro

18:00 End of formal activities, Possibility of side meetings

13th February 2026

9:00 Technical session on *Logistics, Operations and Cooperative Transport Systems*, chair: João Bigotte (UC)

(A18) LOG-IN: RETHINKING LAST-MILE LOGISTICS – CUSTOMIZED INTEGRATED DELIVERY STRATEGIES FOR SUSTAINABLE E-COMMERCE

T. Fontes; A. Amaral; D. Carneiro; V. Silva; E. Peixoto; R. Rossetti, INESC TEC / Universidade do Porto

(A19) THE POTENTIAL OF A SHARED PARCEL LOCKER NETWORK FOR LAST-MILE LOGISTICS

V. Silva; T. Fontes; A. Amaral; P. Amorim, INESC TEC / Universidade do Porto

(A20) OPTIMIZING TRUCK SCHEDULING AT CONTAINER TERMINALS: A HEURISTIC-BASED APPROACH

José Luís Moreira; Catarina M. Marques; Jorge Pinho de Sousa, INESC TEC / Universidade do Porto

(A21) RETHINKING PORT AUTOMATION TO DECARBONISE MOBILITY IN PORT ECOSYSTEMS

Mudassar Shafiq; Paulo Fernandes; Margarida C. Coelho, UAveiro

10:00 Poster session 2 on *Tools, data and perspectives for sustainable urban mobility*, with short pitch of 3 minutes, chair: Sandra Melo (CEiiA)

(P7) AN OSM-BASED REPRODUCIBLE METHOD TO MEASURE LINK AND PLACE STREET FUNCTIONS AT THE CITY-SCALE

M. Pires; G. Valença, IST

(P8) NUMERICAL DECISION-SUPPORT TOOL FOR FLEET DECARBONIZATION: ANALYSIS OF ENERGY CONSUMPTION AND POLLUTANT EMISSIONS IN URBAN BUS FLEETS

Dinis Paulino; Patrícia Baptista; Tiago Farias, IST

(P9) EVALUATING THE IMPACT OF COOPERATIVE ADAPTIVE CRUISE CONTROL IN RAMP METERING SYSTEMS

Telmo Costa Botelho; Rafael Vieira; Sérgio Pedro Duarte; José Pedro Tavares, FEUP

(P10) A DATA-DRIVEN MACHINE LEARNING FRAMEWORK FOR DRIVING BEHAVIOUR MODELLING AND CLASSIFICATION

P. Fernandes; E. Ferreira; E. Macedo, UAveiro

(P11) TRAVEL EXPERIENCE – CONNECTION BETWEEN TERRITORY AND LANDSCAPE

L. Campos, FEUP

10:30 Technical session on *Human Factors, Behaviour and Human–AI Interaction in Transport*, chair: Sara Ferreira (FEUP)

(A22) MOBILITY IN LOW-DENSITY AREAS: A FRAMEWORK FOR DESIGNING DEMAND RESPONSIVE TRANSPORT SYSTEM

Armando Dauer; Teresa Galvão; Jorge Pinho de Sousa; Bruno Prata, Universidade do Porto / INESC TEC / Universidade Federal do Ceará

(A23) TOUR4ALL: SOCIALLY-AWARE MULTI-OBJECTIVE TOURIST TRIP PLANNING

J. Almeida, R. Rossetti, FEUP

(A24) SAFETY PERCEPTION OF E-SCOOTER USERS IN PORTUGAL

Sérgio S. Jesus; Sara Ferreira; Cira S. Pitombo, Universidade de São Paulo / FEUP

(A25) SIMULATOR-BASED STUDIES ASSESSING PHYSIOLOGICAL AND COGNITIVE DEMANDS IN HEAVY VEHICLE DRIVERS: A SYSTEMATIC REVIEW

Juana Quito; Sara Ferreira; Denisse Bustos, FEUP / Universidade de Cuenca

(A26) ANTICIPATING PUBLIC REACTIONS TO STREET TRANSFORMATIONS THROUGH AN ADAPTIVE PERCEPTION MODELING TOOL

M. Alves; M. Lopes, G. Valença; F. Moura, IST

(A27) OPEN OPORTO SYNTHETIC POPULATION PIPELINE FOR MULTIMODAL TRANSPORT SIMULATIONS

Iohan Sardinha, Rosaldo Rossetti, Ana Paula Rocha, FEUP

12:15 Lunch

13:45 Sérgio Pinheiro, Diretor do Departamento de Estudos e Planeamento dos Transportes Metropolitanos de Lisboa, chair: Tiago Farias (IST)

14:30 Technical session on *Advanced Computational Methods for Transport Systems Analysis*, chair: Patricia Baptista (IST)

(A28) AN EXPLAINABLE BLACKBOARD-BASED AI ARCHITECTURE FOR WEATHER-AWARE MULTIMODAL MOBILITY: THE ERMESINDE CASE STUDY

Soraia Felício, Thiago Sobral, FEUP / INESC TEC / OPT

(A29) HUMAN–AI INTERACTION IN CO-PILOTING MODE: MAPPING COGNITIVE, PSYCHOLOGICAL, TECHNOLOGICAL, LEGAL, AND ETHICAL DIMENSIONS

N. Ilina, Sara Ferreira, Universidade do Porto

(A30) OPTIMIZING COOPERATIVE MULTI-AGENT SYSTEMS THROUGH MECHANISM DESIGN AND LEARNING-BASED APPROACHES

António Ribeiro da Costa, Rosaldo J. F. Rossetti, FEUP

(A31) UNDERSTANDING E-SCOOTER USE IN URBAN CONTEXTS: A COMMUNICATION PERSPECTIVE

Bruno Cardoso; Sara Ferreira; Pedro Mêda; Luciano Moreira, FEUP / CITTA / CETAPS

(A32) CONCRETE SENSORS INCORPORATING CARBON BLACK FOR TRAFFIC AND INFRASTRUCTURE MONITORING

Paulo Cachim; J. Macedo, UAveiro

15:45 Wrap up by *Tiago Farias, Álvaro Costa*

GET 2026 in numbers

2025 Award for Best Presentation

- *S. P. Duarte, S. Ferreira, C. Rodrigues, J.P. Tavares, A. Lobo, uRISK: Understanding risky behaviors at the wheel using a driving simulator, FEUP*

2025 Award for Best Poster

- *Botelho, T. C., S. P. Duarte, M. C. Ferreira, S. Ferreira, and A. Lobo. Transforming truck platooning through the development and integration of event-based use cases for driving simulators, FEUP.*
- *Alicia Frango, Amilcar Arantes, Sandra Melo, Car Sharing: opportunities and barriers from the operational perspective, IST&CEiiA*

Winner of the Best Poster at GET2026