



Transportation Engineering Division
SCHOOL OF ENGINEERING, UNIVERSITY OF SEVILLE

17th meeting of the
EURO WORKING GROUP ON TRANSPORTATION

EWGT 2014

JULY 2nd - 4th, 2014

SEVILLE, SPAIN

FINAL PROGRAM



 Euro Working Group
Transportation

FINAL PROGRAM

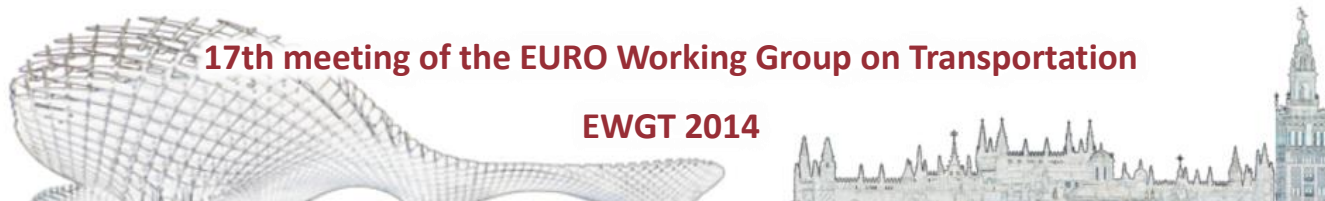
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Contents

Organization

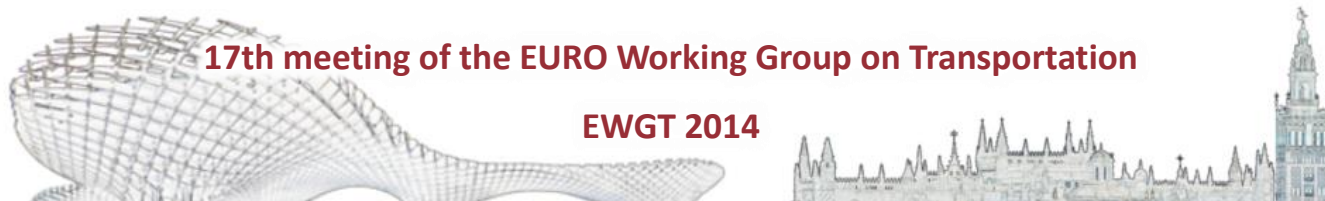
Executive Committee	5
International Scientific Committee.....	5
Local Organising Committee	6

About the Meeting

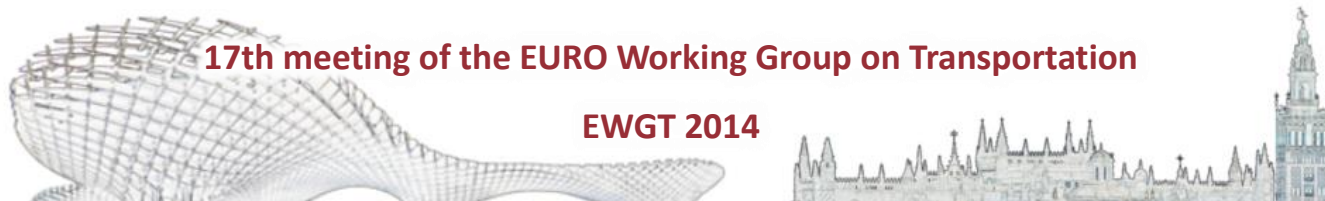
Presentation.....	7
Meeting Venue	8
How to get to the meeting	9
Meeting Dates.....	13
On-site registration	13
Technical Secretariat.....	14
Registration Secretariat.....	14
Badge and Registration	14
Social Program	14
Language.....	16
Internet connection	17
Lectern Session	18
Poster Session	19
Site Map.....	20

Sessions

Schematic Program	25
WEDNESDAY (July 2nd).....	25
THURSDAY (July 3rd).....	26
FRIDAY (July 4th).....	27
PARALLEL SESSION A Wednesday, 11h30-13h30	28
A1. Vehicle Routing (ROOM 002).....	28
A2. Sustainable Mobility I (ROOM 003)	28
A3. Intersection Design and Analysis I (ROOM 005).....	28
PARALLEL SESSION B Wednesday, 15h00-16h30.....	29
B1. Public Transport Planning (ROOM 002).....	29
B2. Air Quality and Emissions I (ROOM 003)	29
B3. Decision Support Systems (ROOM 005)	29
PARALLEL SESSION C Wednesday, 16h30-18h00.....	30
C1. Behavioral Studies (ROOM 002)	30
C2. City Logistics (ROOM 003)	30
C3. Freight Terminals (ROOM 005).....	30



PARALLEL SESSION D Thursday, 9h30-11h00	32
D1. Infrastructure Planning and Maintenance (ROOM 002)	32
D2. Public Transport Accessibility (ROOM 003)	32
D3. Smart City (ROOM 005)	32
D4. Traffic Flow Models (ROOM 006)	33
D5. Railways (ROOM 111)	33
POSTER SESSION I Thursday, 11h00-12h00	33
PARALLEL SESSION E Thursday, 12h00-13h30	34
E1. Traffic Flow Studies (ROOM 002)	34
E2. Intermodality (ROOM 003)	35
E3. Traffic Signal Control (ROOM 005)	35
E4. Logistics (ROOM 006)	35
E5. Maritime Transport (ROOM 111)	35
PARALLEL SESSION F Thursday, 15h00-16h30	36
F1. Driver Behaviour I (ROOM 002)	36
F2. Air Quality and Emissions II (ROOM 003)	36
F3. Public Transport Models (ROOM 005)	36
F4. Pricing (ROOM 006)	37
F5. Transport Reliability (ROOM 111)	37
PARALLEL SESSION G Thursday, 16h30-18h00	37
G1. In Vehicle Data Acquisition (ROOM 002)	37
G2. Network Analysis (ROOM 003)	37
G3. Transport Policy (ROOM 005)	38
G4. Sustainable Mobility II (ROOM 006)	38
G5. Travel Time Studies (ROOM 111)	38
PARALLEL SESSION H Friday, 9h00-10h30	40
H1. Driver Behaviour II (ROOM 002)	40
H2. Public Transport Scheduling (ROOM 003)	40
H3. Network Traffic Analysis (ROOM 005)	40
H4. User and Traveler Information (ROOM 006)	41
POSTER SESSION II Friday, 10h30-11h30	41
Index by Paper	43



Executive Committee

Francisco G. Benitez, University of Seville (Chairman)

International Scientific Committee

Andrzej Adamsky, University of Science & Technology, Cracow (Poland)

Erel Avineri, Afeka - Tel Aviv College of Engineering (Israel)

Jaume Barceló, Universitat Politècnica de Catalunya, Barcelona (Spain)

Neila Bhour, University of Paris East / IFSTTAR, GRETTIA (France)

Maurizio Bielli, National Research Council (Italy)

Giulio E. Cantarella, University of Salerno (Italy)

Mauro Dell'Orco, Technical University of Bari (Italy)

Jorge Freire de Sousa, Universidade do Porto (Portugal)

Bernhard Friedrich, University of Hannover (Germany)

Matthew G. Karlaftis, National Technical University of Athens (Greece)

Milica Kalic, University of Belgrade (Serbia)

Michele Ottomanelli, Technical University of Bari (Italy)

Markos Papageorgiou, Technical University of Crete (Greece)

Jean Patrick Lebacque, IFSTTAR (France)

Riccardo Rossi, University of Padova (Italy)

Leena Suhl, University of Paderborn (Germany)

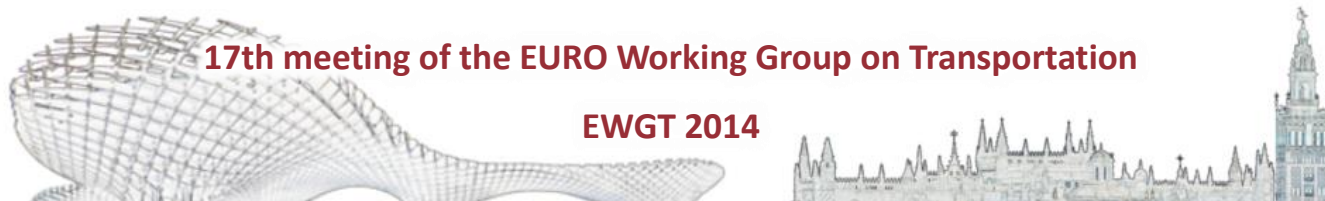
Dusan Teodorovic, University of Belgrade (Serbia)

Hiroshi Wakabayashi, Meijo University (Japan)

S. C. Wong, University of Hong Kong (Hong Kong)

Jacek Zak, Poznan University of Technology (Poland)

Henk van Zuylen, Delft University (Netherlands)



Local Organising Committee

Noelia Caceres, University of Seville (Spain)

Francisco J. Cores, University of Seville (Spain)

Jose M. del Castillo, University of Seville (Spain)

Francisco J. Morales, University of Seville (Spain)

Jesus Moreno, University of Seville (Spain)

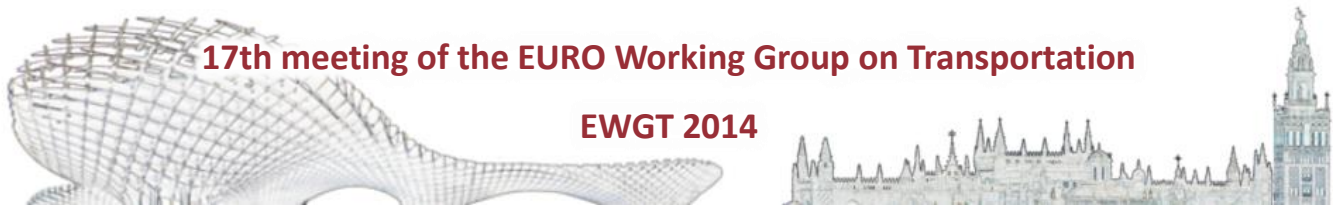
Antonio Reyes, University of Seville (Spain)

Luis M. Romero, University of Seville (Spain)

Cayetano Ruiz de Alarcon, University of Seville (Spain)

Jose I. Sanabria, University of Seville (Spain)

Johan Wideberg, University of Seville (Spain)



Presentation

In less than fifty years, transportation engineering has been developing very rapidly over the world. The spheres of both theoretical research and application have been much expanded, and many new theories and computing methods have lately emerged. The tendency shows that numerical and computational methods, econometric and sociometric analysis, more and more close integrate with engineering and other sciences, and provide powerful analytical tools for professionals of the sector. These new results and ideas will be exchanged at this International Meeting on Transportation.

Nearly 200 contributions cover a wide range of topics, from pure theoretical development, computing and numerical methods, optimization in transport design, applied software, and practical applications.

Former editions of these meetings have proved to be a success of exchange and cooperation of ideas and friendship in this field. We, all of you and us, intend to continue with this spirit.

All EWGT Committees, supported by the local organizing team warmly welcome all attendants to this gathering.

Francisco G. Benitez

Chairman

EWGT2014 meeting

Professor of Transportation Engineering

School of Engineering, University of Seville, Spain



Meeting Venue

The meeting will be held at the School of Engineering of the University of Seville, which is located in the Cartuja Scientific and Technological Park.

School of Engineering

Av. Camino de los Descubrimientos s/n

41092 Seville

Spain

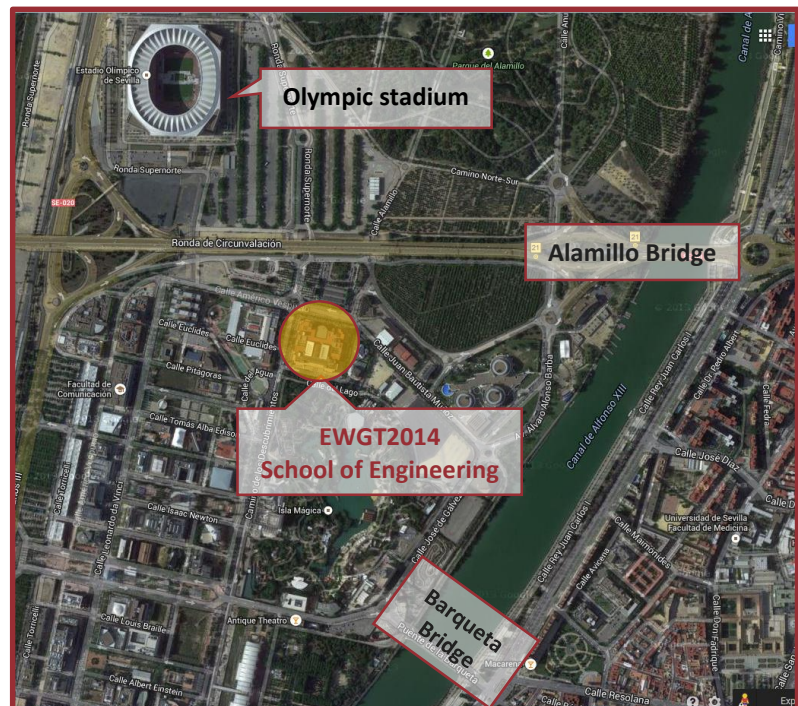
- Telephone: (+34) 954 48 73 17
- Email: ewgt2014@us.es
- Web: <http://congreso.us.es/ewgt2014>





How to get to the meeting

Seville is located at the South of Spain, in the region of Andalusia. The School of Engineering is located at Av. Camino de los Descubrimientos s/n, in the Cartuja Island at the North-West of the city (close to the Olympic Stadium and the Alamillo Bridge).

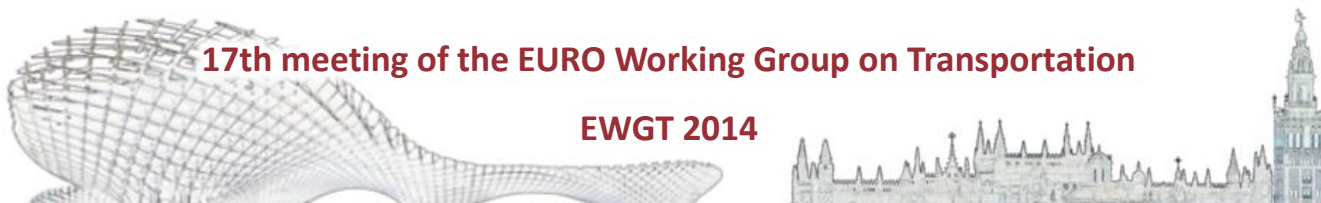


Suggested Information:

By plane:

Getting from the Seville Airport into the centre of Seville is easy and quick. If you catch a Seville Airport **Taxi**, the journey will take you around 15 min. and costs between 15€ and 22€ depending on which time of day you travel. The taxi rank is just outside the terminal building.

You can also go to the centre of Seville (Plaza de Armas) by an **urban transport** line that connect both points, with stops, including High Speed Train (AVE) station. The



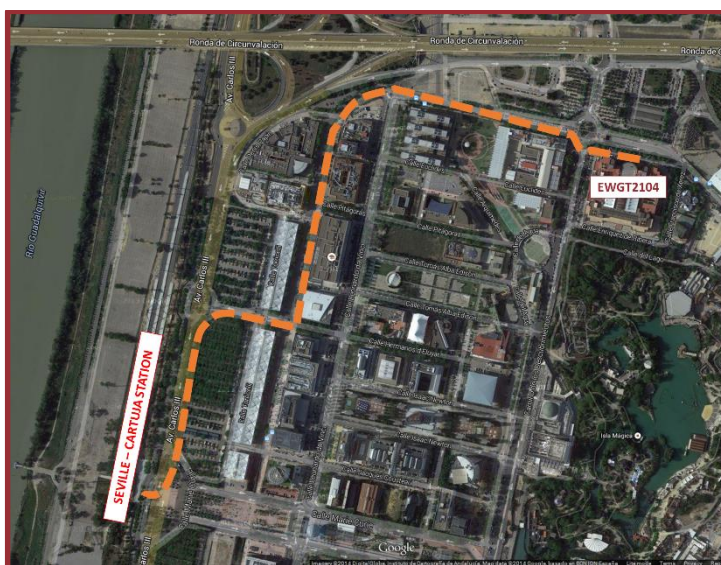
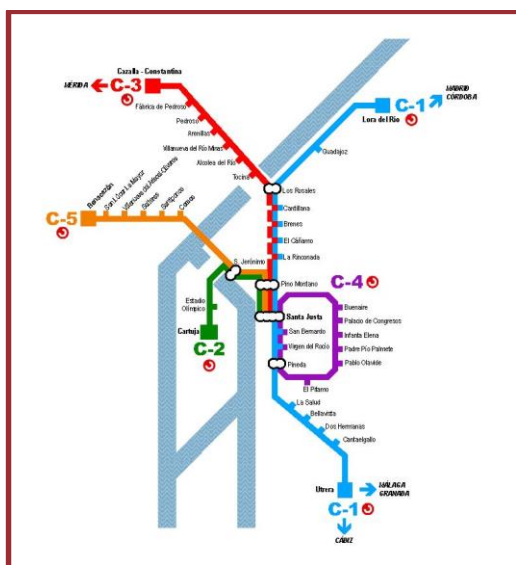
journey takes 30 minutes. The one-way ticket costs 4€, and you can buy the ticket on board the bus (Information telephone: +34 902 459 954).

By train:

The High Speed train (**AVE**) **train station** in Seville (Santa Justa) is located close to the centre of the city and at only a 10 minutes **taxi** ride to the School of Engineering.

From Santa Justa Station you can go to the meeting venue by bus. There are **urban bus** lines connecting Santa Justa with the School of Engineering. Use Tussam C2 Line to go from Santa Justa to the meeting Site and C1 Line in the reverse direction.

You can also get the meeting venue by train. **Sevilla-Cartuja Station (line C-2)** is located close to the School of Engineering. From the station, you must walk about 15 min. Please, check the C-2 line timetable to plan your trip.



By Bus:

Two **urban bus** lines have their stops at the School of Engineering, C1 Line and C2 Line. You can take these two lines at different point of the city. The two closest transfers are located in Barqueta and Puerta Triana.

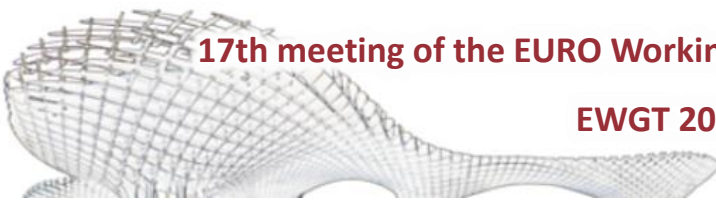


The **interurban bus** station of Seville (Plaza de Armas) is at 3km from the School of Engineering. If you prefer to go by walking, the trip takes about 40 mins. It is recommended to take the urban bus (lines 3, 6, C3, C4 in combination with lines C1 or C2).

Plaza the Armas Station also provides with free bicycles to those who have a metropolitan transport card and an interurban bus ticket (bus+bici service). The registration procedure takes 10 min. and it requires a credit card for warranty.

By bicycle:

The municipal government of Seville provides with a community bicycle program called **Sevici**. Weekly pass are available at a cost of 13.33€ and are purchasable at each of the bike station by credit card. The bikes can be borrowed from, and returned to, any bike station in the system, making it suitable for one way travel. Each station has between 10 and 40 parking slots to fix and lock the bicycle. There is a bike station besides the School of Engineering available for the meeting attendees.



Local transportation links:

- Seville Airport:
<http://www.sevilla-airport.com>
- Railways Services (**RENFE**):
<http://www.renfe.com>
- Seville Urban Transportation (**TUSSAM**):
<http://www.tussam.es>
- Interurban Bus Station (**Plaza de Armas**):
<http://www.autobusesplazadearmas.es>
- **Bus + Bici** Service:
<http://www.consorciotransportes-sevilla.com/proyectos/busbici/busbici.php>
- Public Bicycle Service (**SEVICI**):
<http://en.sevici.es>

Meeting Dates

From July, 2nd to 4th 2014

On-site registration

On-site registrations will be available on July 2, 2014 until noon at the meeting registration desk. Payment for on-site registrations will be only possible by cash or by credit card. For payment by cash, please provide exact change.

REGISTRATION TYPE	RATES (*)
Ordinary	500€
Student (**)	350€
Accompanying person (***)	200€

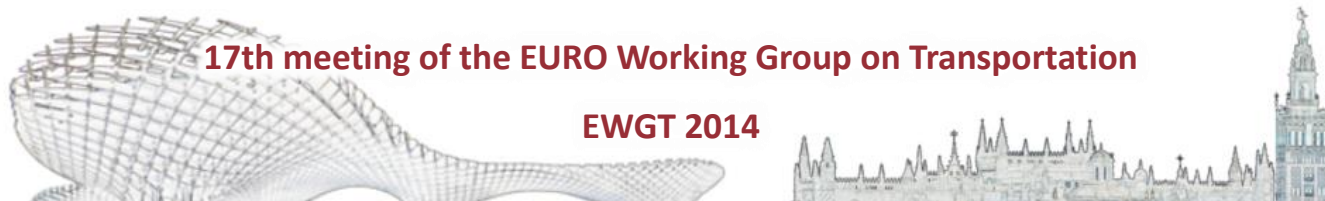
For the **ordinary** and **student** attendees, the fees include:

- Access to all meeting sessions
- Meeting proceedings
- Reception
- Gala dinner
- Coffee breaks and lunches
- Technical trips

(*) All rates are in euros (EURO €) and include 21% Spain VAT.

(**) **Students** will be requested to present a copy of their student certificate

(***) **Accompanying person's** registration fees include access to the coffee breaks and lunches, Cocktail reception and Gala dinner. Access to the meeting Rooms will not be allowed.



Technical Secretariat

The technical secretariat will be located during the meeting at the registration desk.

- Telephone: (+34) 954 48 73 17
- Email: ewgt2014@us.es

Registration Secretariat

If you have any question or problem concerning your registration, you can contact the Registration Secretariat by email or fax:

- Fax: (+34) 954 22 59 49
- Email: sevillacongresos2@viajeseci.es

Badge and Registration

The badge and registration will take place from Wednesday 2nd July at 9:00 am in the Technical Secretariat located in the registration desk. During the registration process, the attendees will receive a name badge and the meeting documents.

For security reasons, the badge will be required to access the meeting rooms and all events organized during the meeting.

Social Program

Coffee breaks and lunches

The Coffee breaks and work lunches will be served in ground floor, in the School Hall (see Site Map – Ground Floor)

The Get-together and Cultural Visit

A welcome Reception will take place on Wednesday 2nd July, with a visit to the Monastery of Santa María de las Cuevas, also known as the Monastery of the Cartuja, from 19:00 to 21:00. This is a masterpiece from the XV century where Cristopher Columbus first revealed his plans to navigate Westward to reach the coast of the Indies and help for recommendations to be received by the Queen Elisabeth and King Ferdinand (The Catholic Kings).

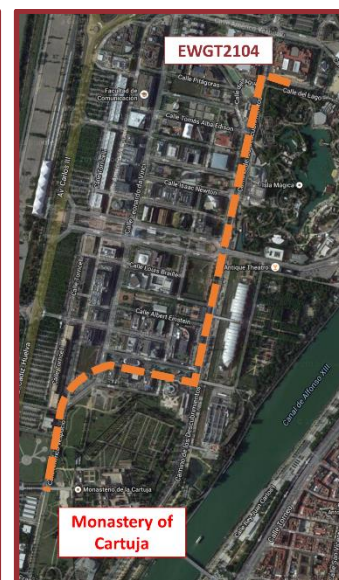
Dress code: casual (it is summer in Sevilla !!!).

Monastery of the Cartuja

Américo Vespucio, 2

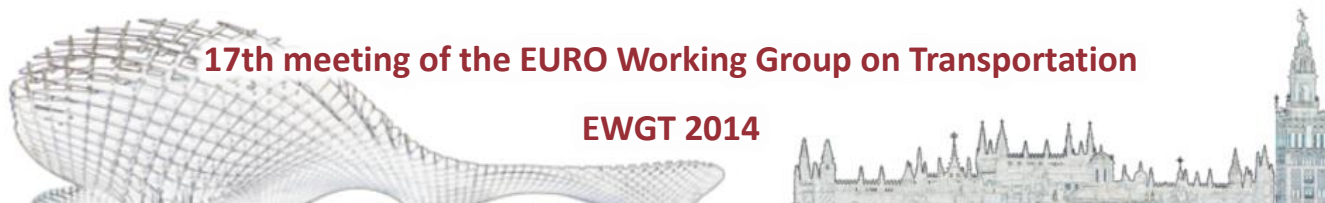
41092 Seville

(1.5 Km away from the School of Engineering, 25 minutes walking)



The Gala Dinner

The Dinner will take place in Villa Luisa on Thursday 3th, from 20:00 to midnight. Villa Luisa is a private property built in 1925 as a facility for the Ibero-American Exposition of 1929 in Seville. It has a modernist garden, a Neo-Mudejar palace and a glass pavilion



that can remind the visitor, on a smaller scale, the one installed in the Retiro Park in Madrid.

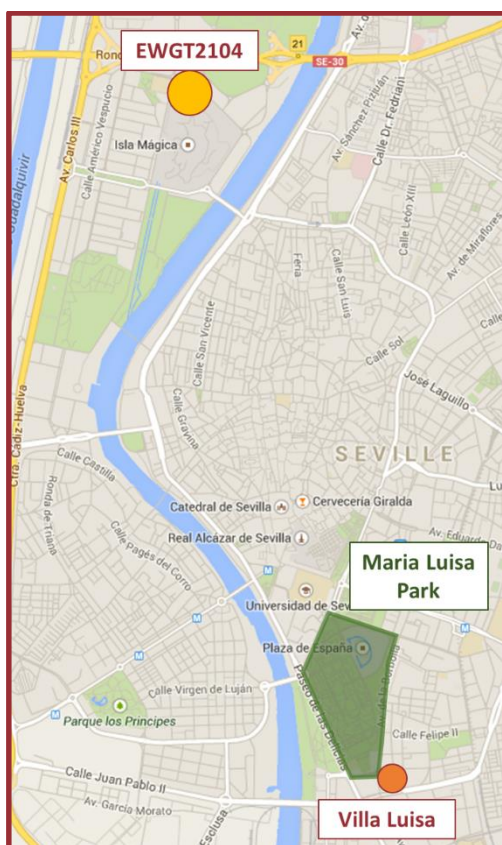
Dress code: smart casual.

Villa Luisa

Avenida Manuel Siurot, 1

41013 Seville

(10 minutes walking from Maria Luisa Park, Bus lines 1, 3, 4, 34 and 37)



Language

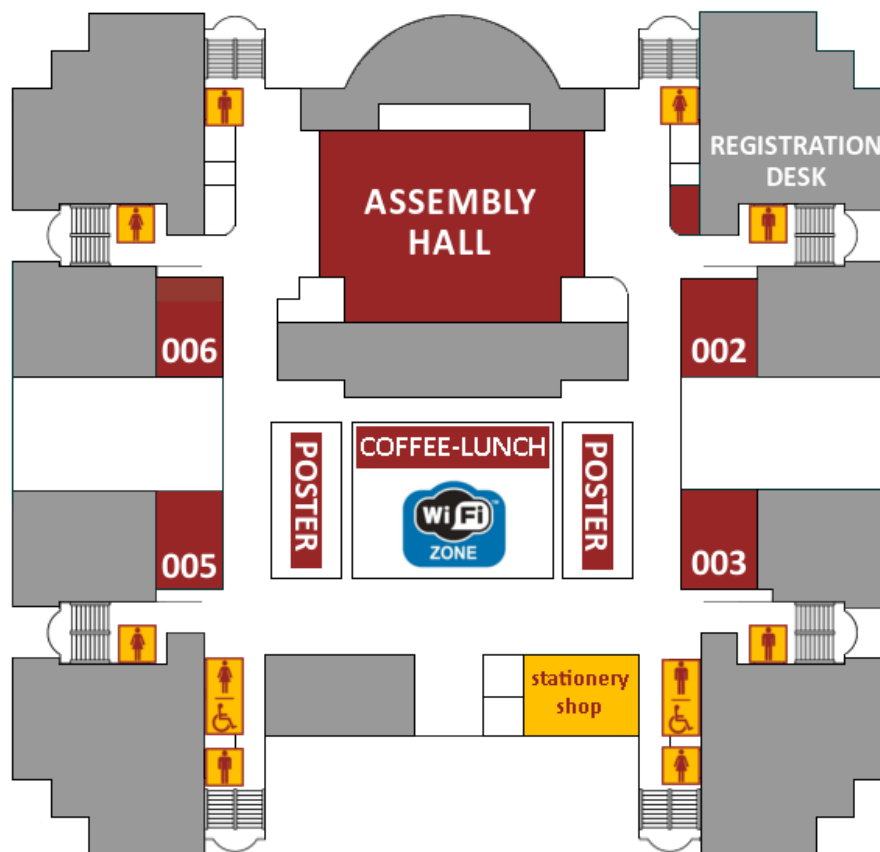
The official language of the meeting is English.

Internet connection

WIFI Network

The EWGT2014 makes some WI-FI networks available to the meeting attendees in the School of Engineering of the University of Seville.

- In session rooms.
- The Coffee-Lunch and Poster area (ground floor).



Workroom: Ethernet connection

A workroom In the E2 floor (Room 319) is available during all the meeting duration. In this workroom, the attendees will find some workstations connected to Internet via Ethernet connections at their disposal.



Lectern Session

Guidelines for the Oral Presentation

Oral sessions provide an opportunity for speakers to present their findings in a formal setting. Each speaker is allotted 15 minutes for the presentation with an extra of 5 minutes for questions and answers. A period for questions is desirable, but optional depending on the time remaining.

Audio-visual Information

Projectors and computers are included in each meeting room. Please, notify to EWGT Organization if you need additional audio-visual equipment. Internet access may not be available in some meeting rooms. Please, notify to EWGT Organization if internet is required for your presentation. Speakers are asked to bring their presentations on a data stick and arrive at the lecture room at least five minutes before the start of the session in order to load the presentation. **Presentations are not pre-loaded on to the computer in the meeting rooms. Speakers are responsible for loading and running their own presentations.**

Suggestions for Chairs of Lectern Sessions

- Start the session on time. Make any “announcements” and remind everyone to silence all mobile devices.
- Inform EWGT staff at the EWGT Registration Desk of any facility or audiovisual concerns.
- Introductions of speakers should generally be limited to the presentation title, speaker’s name, title, and organization. Any additional information on the speaker’s background relevant to the presentation can be conveyed by the speaker as part of his/her presentation.
- Make every effort to maintain the order of the speakers according to the program listing.
- Control the time limitations for each speaker.

- Invite questions from the audience and pose your own questions as time permits.
- When an attendee asks a question, ask her or him to give name and affiliation.
- Keep aisles, the back of the room, and doorways clear as required by the Fire Marshal. Ask attendees to sit in any available seats rather than standing.
- Repeat “announcements” before adjourning.
- Adjourn the session no later than the time shown in the Final Program so that the next meeting using the room can begin on time.

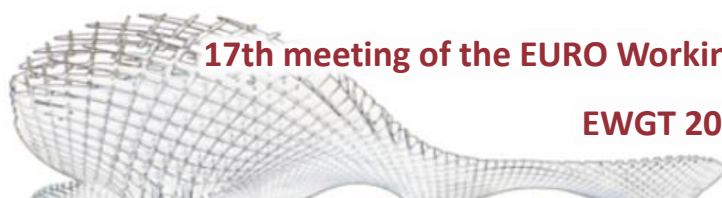
Poster Session

Guidelines for the Poster Session

Authors presenting a submitted and accepted abstract or paper have three options:

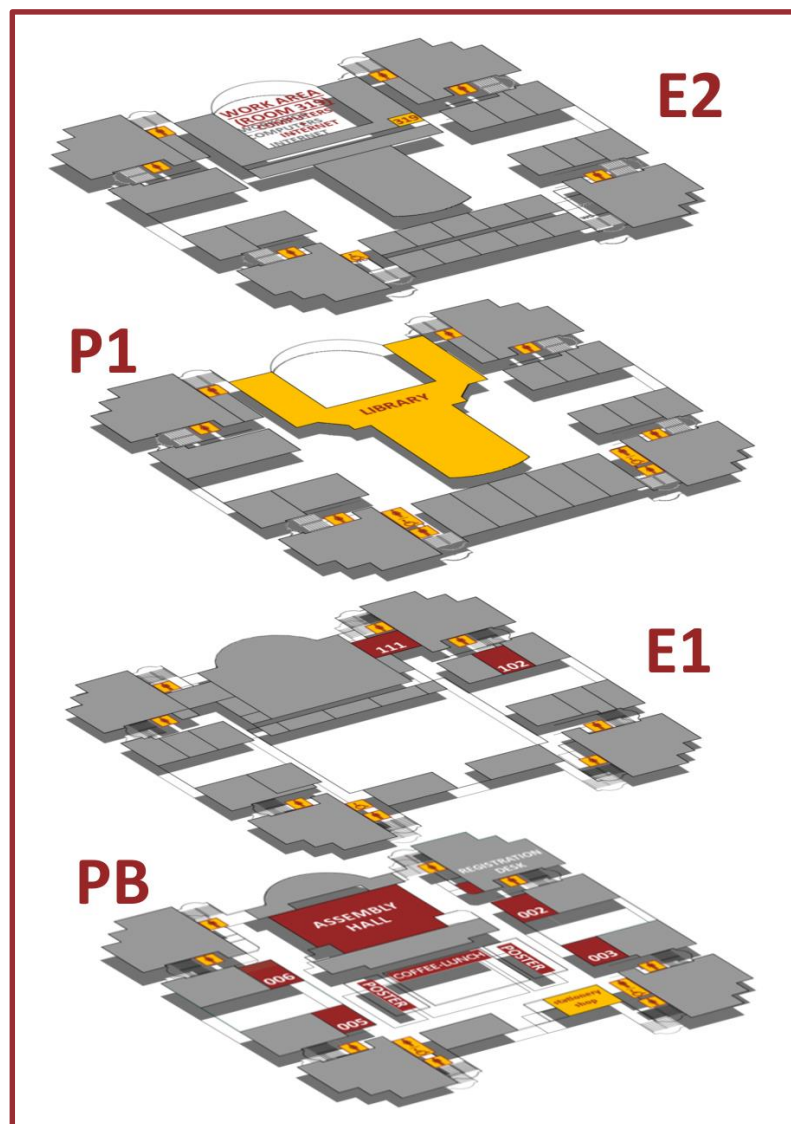
- To present the research in a Lectern Session only
- To present the research n in a Poster Session only
- To present the research in both (a Lectern and a Poster) Sessions

You can also present your research in a Poster Session. Let us know as soon as possible if you are interested, in order to assign the time-window and the allocation of your poster. Presenting the research in a Poster Session (additionally to the Lectern Session) is a valuable opportunity to explain details of the conducted research to interested attendees for in-depth discussions. It is an opportunity to build common links between researchers in an informal setting. Posters sessions run in the morning and afternoon, 30 minutes ahead and after coffee breaks (it will not interfere with your presentation in the Lectern Session). EWGT2014 provides display boards for this purpose (2.56 m high x 0.95m wide, free space for each poster). In case you are only interested in presenting your contribution in Poster Session, let us know you are not presenting your contribution in a Lectern Session.



Site Map

School of Engineering

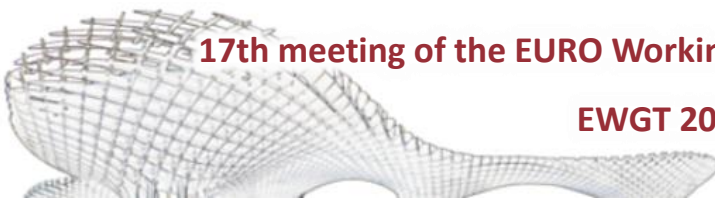


MEZZANINE 2 (E2)
WORK AREA - ROOM 319 (Computers + Internet)

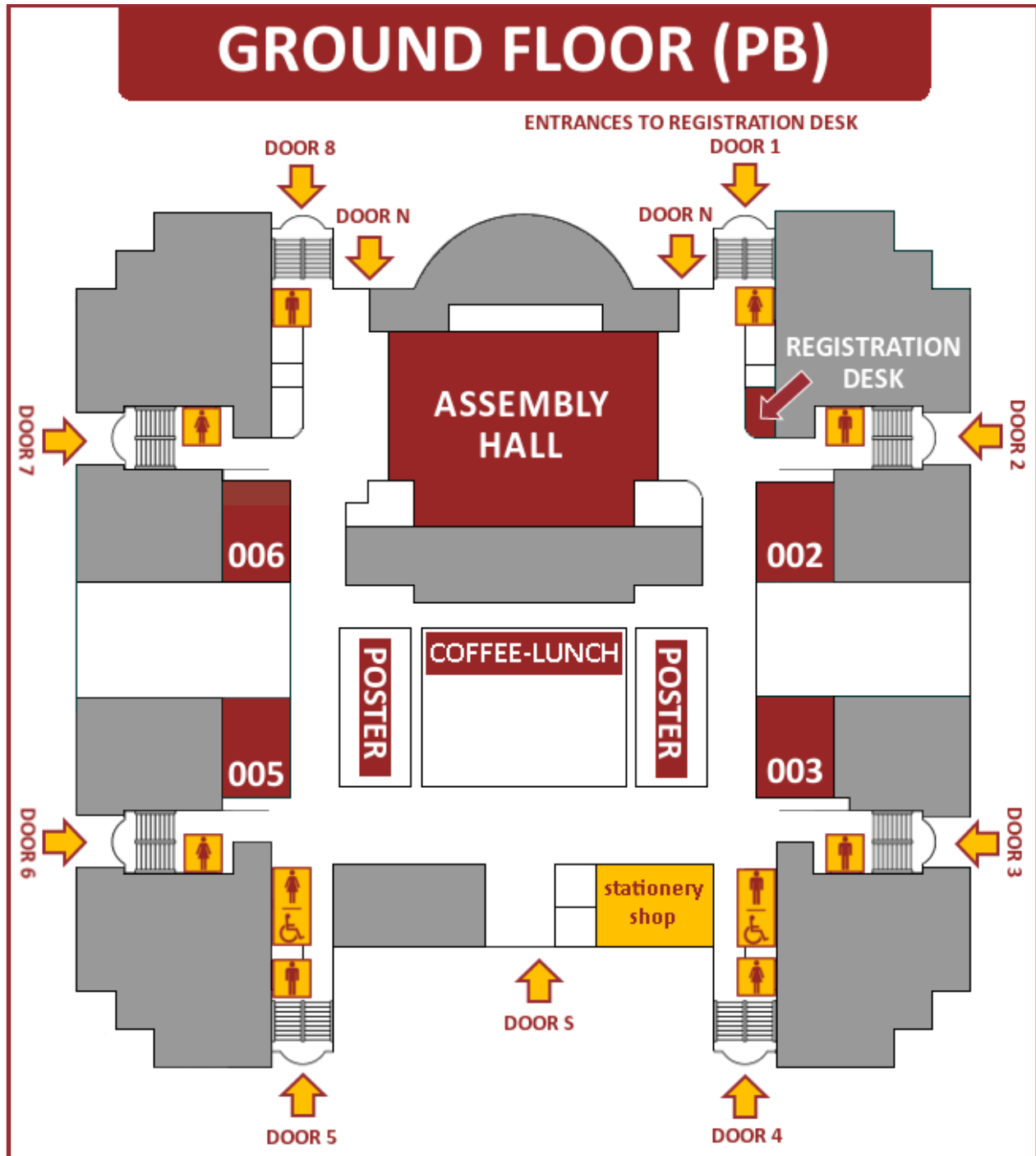
FIRST FLOOR (P1)
LIBRARY

MEZZANINE 1 (E1)
ROOM 102
ROOM 111

GROUND FLOOR (PB)
REGISTRATION DESK
ASSEMBLY HALL
ROOM 002
ROOM 003
ROOM 005
ROOM 006
COFFEE – LUNCH
POSTER
STATIONERY SHOP

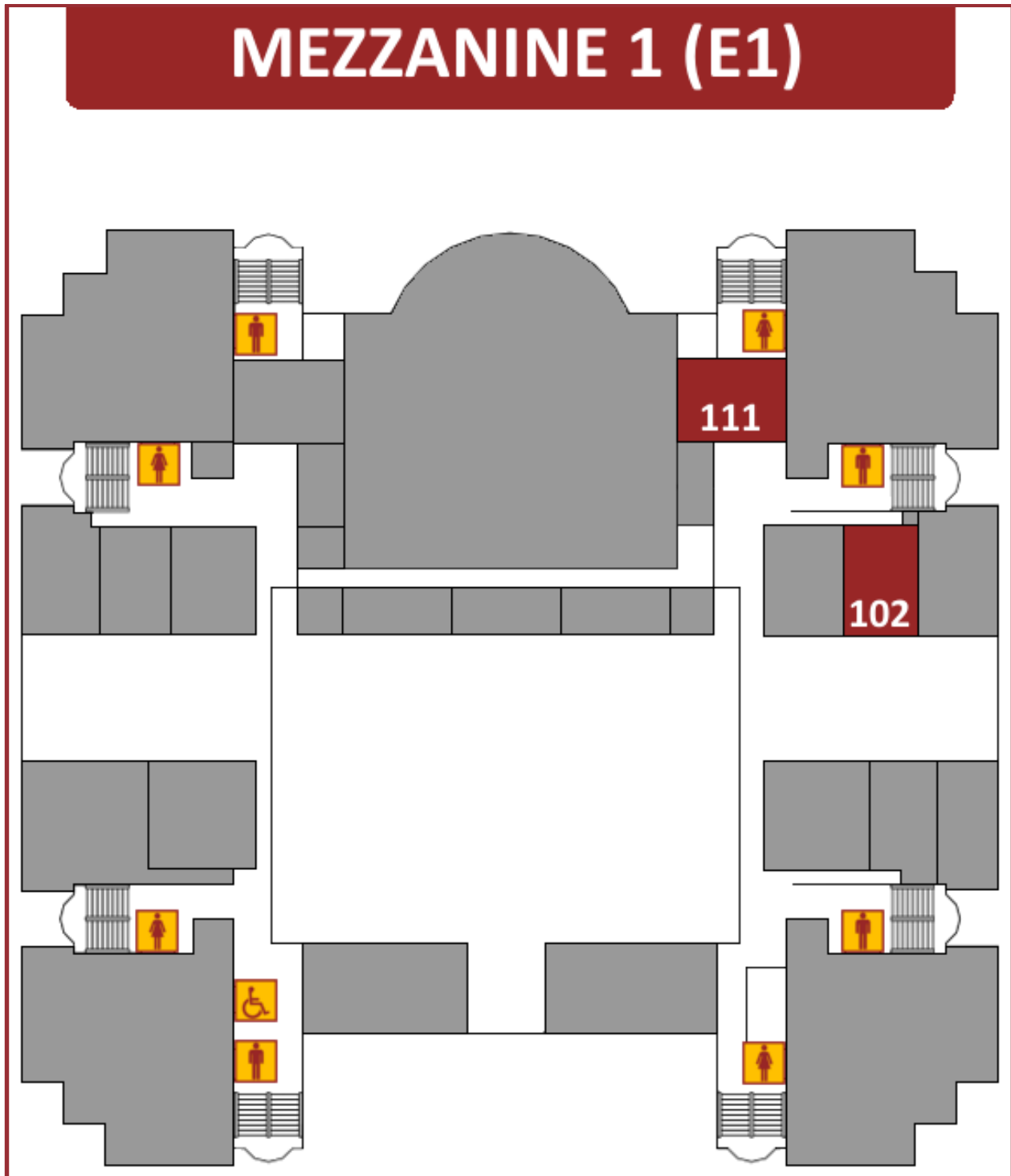


Ground floor (PB)



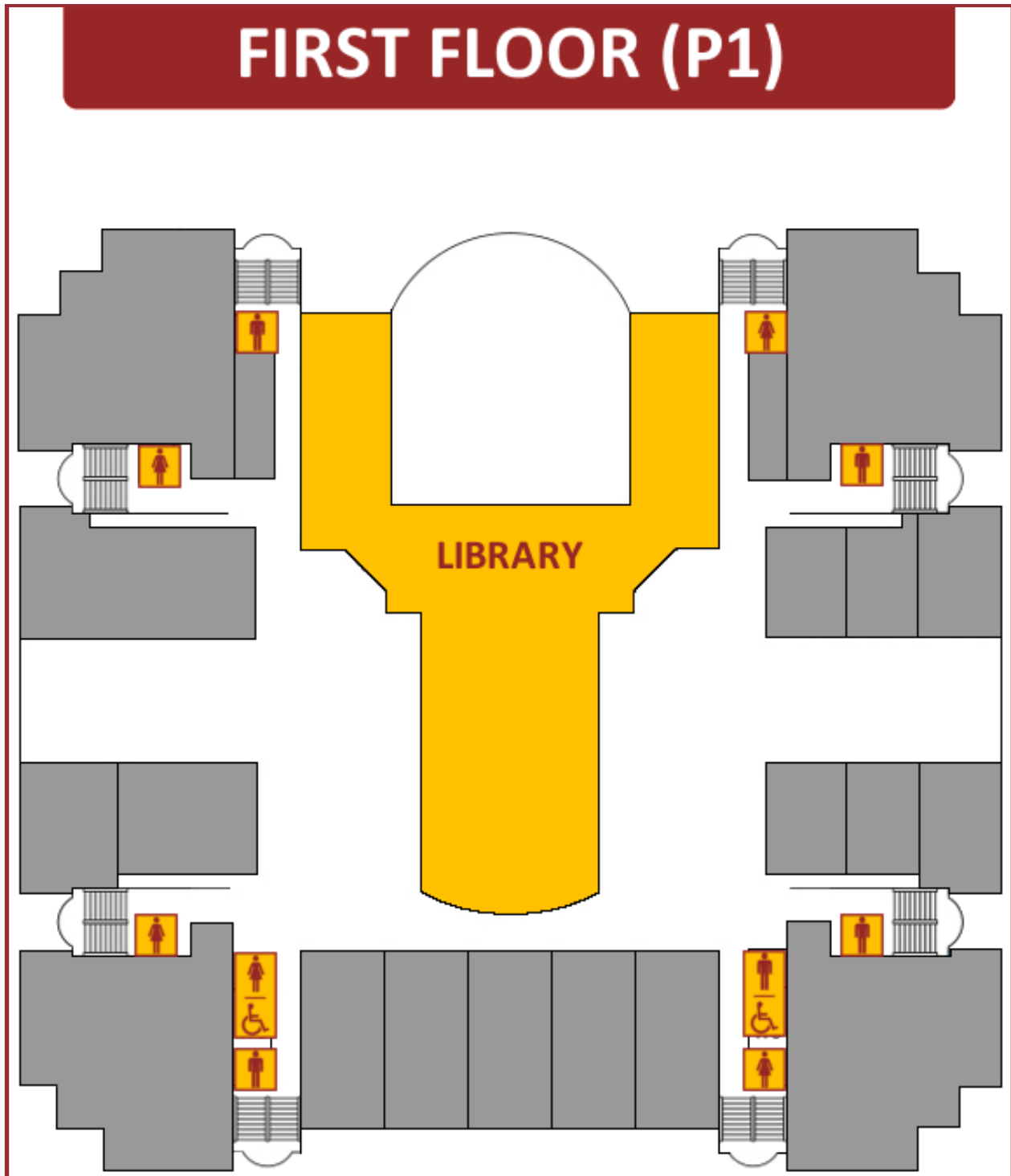


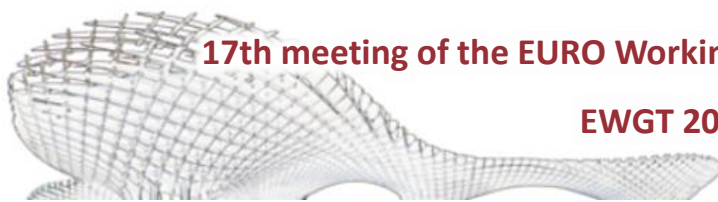
Mezzanine 1 (E1)



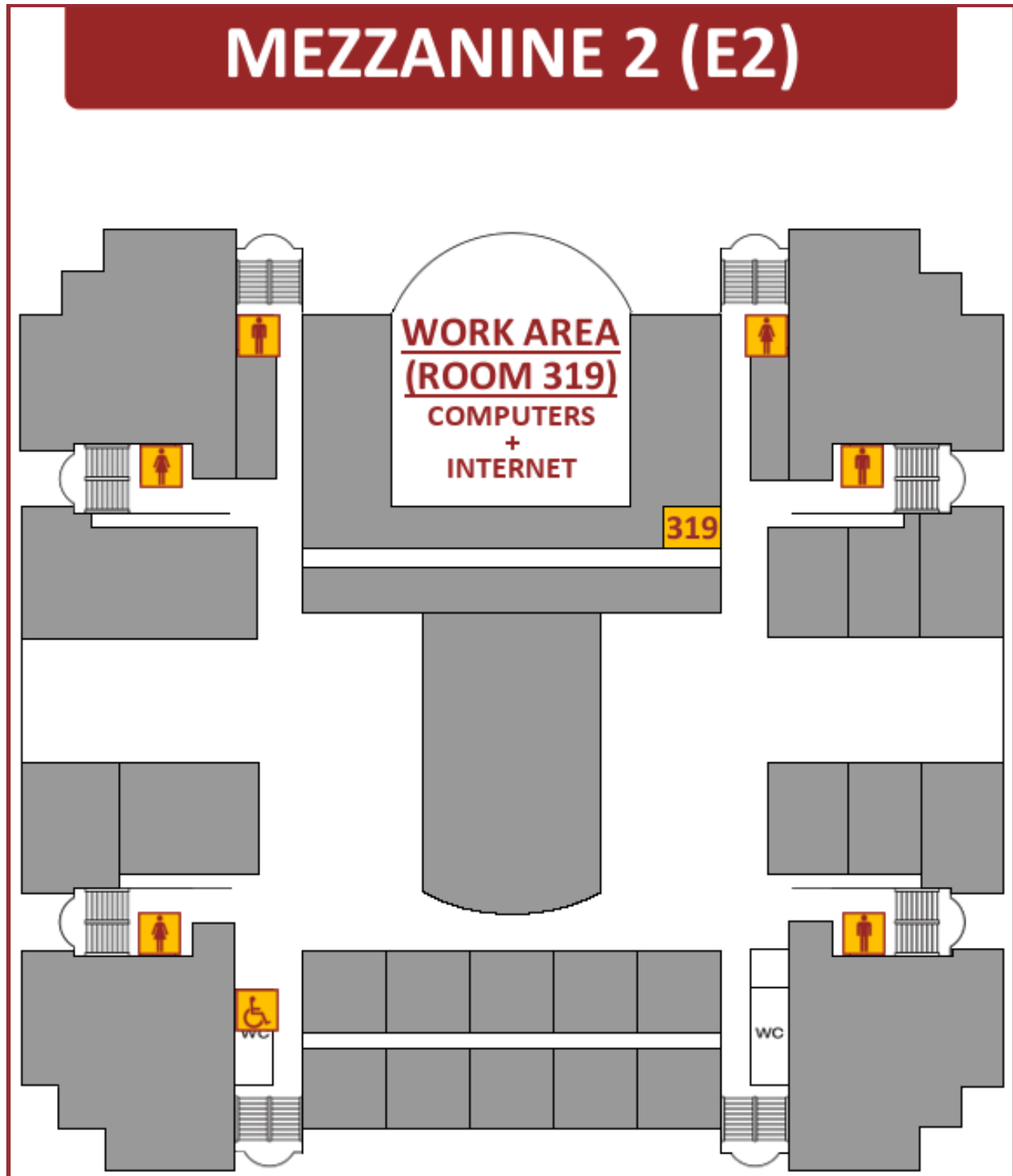


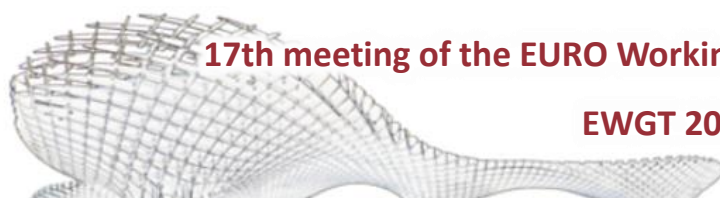
First floor (P1)





Mezzanine 2 (E2)

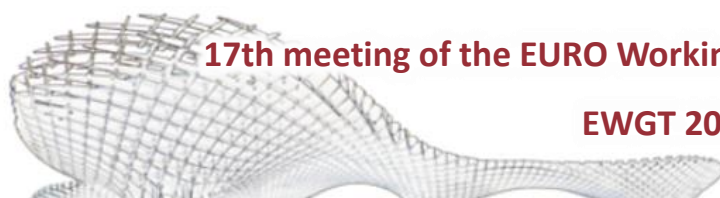




Schematic Program

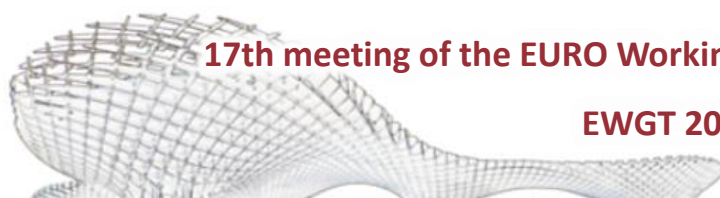
WEDNESDAY (July 2nd)

9.00 - 9.45	Badge and Registration
9.45 - 10.15	Welcome and opening speeches
10.15 - 10.45	In Memoriam: A few words about Prof. Matthews G. Karlaftis Editor-in-Chief Transportation Research C National Technical University of Athens, Greece
10.45 - 11.30	COFFEE BREAK
PARALLEL SESSIONS A	
11.30 - 13.30	A1. Vehicle Routing A2. Sustainable Mobility I A3. Intersection Design and Analysis I
13.30 - 15.00	LUNCH
PARALLEL SESSIONS B	
15.00 - 16.30	B1. Public Transport Planning B2. Air Quality and Emissions I B3. Decision Support Systems
PARALLEL SESSIONS C	
16.30 - 18.00	C1. Behavioural Studies C2. City Logistics C3. Freight Terminals
18.30	GET TOGETHER: CULTURAL VISIT



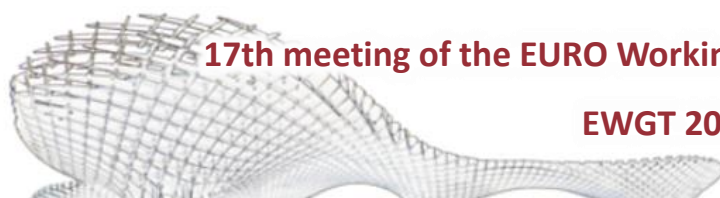
THURSDAY (July 3rd)

8.30 - 9.30	Invited Lecture by: Prof. Cathy Macharis Mobility, Logistics and Automotive Technology Research Centre Vrije Universiteit Brussel, Belgium <i>"The 5 A's of Sustainable Logistics: innovative solutions and challenges ahead"</i>
PARALLEL SESSIONS D	
9.30 - 11.00	D1. Infrastructure Planning and Maintenance D2. Public Transport Accessibility D3. Smart City D4. Traffic Flow Models D5. Railways
11.00 - 11.30	POSTER SESSION I
11.15 - 11.45	COFFEE BREAK
11.30 - 12.00	POSTER SESSION I
PARALLEL SESSIONS E	
12.00 - 13.30	E1. Traffic Flow Studies E2. Intermodality E3. Traffic Signal Control E4. Logistics E5. Maritime Transport
13.30 - 15.00	LUNCH
PARALLEL SESSIONS F	
15.00 - 16.30	F1. Driver Behaviour I F2. Air Quality and Emissions II F3. Public Transport Models F4. Pricing F5. Transport Reliability
PARALLEL SESSIONS G	
16.30 - 18.00	G1. In Vehicle Data Acquisition G2. Network Analysis G3. Transport Policy G4. Sustainable Mobility II G5. Travel Time Studies
20.00	GALA DINNER



FRIDAY (July 4th)

PARALLEL SESSIONS H	
9:00 - 10:30	H1. Driver Behaviour II H2. Public Transport Scheduling H3. Network Traffic Analysis H4. User and Traveler Information
10:30 - 11:00	POSTER SESSION II
10:45 - 11:15	COFFEE BREAK
11:00 - 11:30	POSTER SESSION II
11:35 - 12:35	Invited Lecture by: Dr. Antonio Soria Head of Unit J.1 - Economics of Climate Change, Energy and Transport JRC-IPTS, European Commission <i>"Quantitative analysis to support EU transport policies: an insight from the Joint Research Centre"</i>
12:35 - 13:30	Closing session
13:30 - 15:00	LUNCH



Wednesday, July 2

PARALLEL SESSION A

Wednesday, 11h30-13h30

A1. Vehicle Routing (ROOM 002)

36. Time dependent travel speed vehicle routing and scheduling on a real road network: the case of Torino

Mancini, S.

156. A Flexible Transport Service for Passengers

Carotenuto, P.; Paradisi, L.; Storch, G.

174. The Speed Dependent HVRP with Environmental Considerations

Molina, J. C.; Racero, J.; Eguía, I.; Guerrero, F.

189. A multi-objective time-dependent route planner: a real world application to Milano city

Bruglieri, M.; Colomi, A.; Lia, F.; Luè, A.

170. The Electric Vehicle Routing Problem with industry constraints

Anagnostopoulou, A.; Boile, M.; Theofanis, S.; Sdoukopoulos, E.; Margaritis, D.

A2. Sustainable Mobility I (ROOM 003)

96. Enabling a two-way carsharing system to provide one-way service

Jorge, D.; Barnhart, C.; Correia, G.

99. Simulating carsharing operations through agent based modelling: an application to the city of Lisbon, Portugal

Mendes Lopes, M.; Martínez, L. M.; Correia, G.

226. Designing optimal routes for cyclo-tourists

Cerna, A.; Cerny, J.; Malucelli, F.; Nonato, M.; Polena, L.; Giovannini, A.

234. Modelling the propensity in adhering to a carsharing service: a behavioral approach

De Luca, S.; Di Pace, R.

210. Optimization of cycle paths with mathematical programming

Liñan, R. J.; Gaspar, I.; Bordagaray, M.; Moura, J. L.; Ibeas, Á.

A3. Intersection Design and Analysis I (ROOM 005)

16. Robust Optimization of Intersection Capacity

Sacco, N.

112. Evaluation of air pollution impacts of a signal control to roundabout conversion using microsimulation

Gastaldi, M.; Meneguzzo, C.; Rossi, R.; Della Lucia, L.; Gecchele, G.

120. Performance Analyses on Four-Legged Signalized Junctions: A Case Study

Javanshour, F.; Berk Celikoglu, H.

118. Optimal Design and Real-Time Traffic Signal Control Using Latest Data Collection Technologies

Chandan Kancharla, K.; Seco, Á.; Bastos Silva, A.

PARALLEL SESSION B

Wednesday, 15h00-16h30

B1. Public Transport Planning (ROOM 002)

222. Integration of the urban public transportation system with the application of traffic simulation

Solecka, K.; Zak, J.

224. Application of AHP method for multi-criteria evaluation of variants of the integration of urban public transport

Nosal, K.; Solecka, K.

78. Identifying priority areas for the improvement of urban taxi service quality

Wong, R.C.P.; Szeto, W.Y.; Wong, S.C.

150. High Speed Train Demand Management in Turkey

Cankat Tanriverdi, S.; N. Özgür Bezgin, N. Özgür B; Karasahin, M.

B2. Air Quality and Emissions I (ROOM 003)

7. Energy and environmental impacts of potential application of fully or partially electric propulsion vehicles: application to Lisbon and São Miguel, Portugal

Baptista, P.; Tavares, J.; Gonçalves, G.

22. The ancillary role of CO2 reduction in urban transport plans

Nocera, S.; Cavallaro, F.

29. Emissions cap-and-trade approaches for managing urban road mobility

Angulo Sánchez-Herrera, E.; Espinosa-Aranda, J. L.; García-Ródenas, R.; López García, M. L.

235. A sensitivity analysis of total cost of ownership for electric public bus transport systems in Swedish medium sized cities

Nurhadi, L.; Borén, S.; Ny, H.

B3. Decision Support Systems (ROOM 005)

15. Sensitivity Analysis of Different Supply Design Alternatives: Experimental Results

Sacco, N.; Gattorna, E.; Baudà, A.

57. An AHP approach to aircraft selection process

Dozic, S.; Kalic, M.

65. A decision support system based on Electre III for safety analysis in a suburban road network

Fancello, G.; Carta, M.; Fadda, P.

206. The Investment Decision Process: how to formulate priorities in the transport sector?

Venezia, E.

C1. Behavioral Studies (ROOM 002)

10. Effects of combined curves on driver's speed behavior: driving simulator study
Bella, F.

19. Geographic, social-cultural and modal usage determinants of activity space: a case study of EU Institutions in Luxembourg and Strasbourg

Ma, TY; Gerber, P.; Carpentier, S.; Klein, S.

98. Travel pattern of the Andalusian population, regarding to different daily activities: travel to work, studies, household responsibilities and leisure

Olmo Sánchez, M. I.; Maeso, E.

212. Users' preferences towards automated road public transport: results from European surveys

Alessandrini, A.; Alfonsi, R.; Delle Site, P.; Stam, D.

C2. City Logistics (ROOM 003)

207. The Multi-Path Traveling Salesman Problem with Stochastic Travel Costs. Building Realistic Instances for City Logistics Applications

Maggioni, F.; Perboli, G.; Tadei, R.

11. ITS for e-grocery business: the Simulation and Optimization of Urban Logistics project

Cagliano, A. C.; Gobbato, L.; Tadei, R.; Perboli, G.

54. Factors Influencing Logistics Service Providers' Efficiency in Urban Distribution Systems

De Marco, A.; Cagliano, A. C.; Mangano, G.; Perfetti, F.

59. Reduced urban traffic and emissions within urban consolidation centre schemes: The case of Bristol

Paddeu, D.; Fadda, P.; Fancello, G.; Parkhurst, G.; Ricci, M.

194. Artificial Neural Networks Application to estimate the distribution of travel soybeans for export in Brazil

Gonçalves, D.; Araújo, G.; Da Silva, M.; D'agosto, M.

C3. Freight Terminals (ROOM 005)

9. Trip Allocation and stacking policies at a container terminal

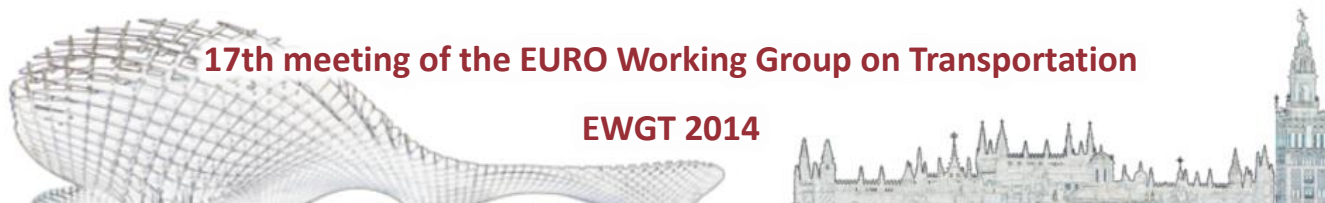
Güven, C.; Türsel Eliyi, D.

60. A micro-simulation model for performance evaluation of a logistics platform

Gattuso, D.; Cassone, G. C.; Pellicanò, D. S.

146. Strategic Determinants of Terminal Operating System Choice: An Empirical Approach using Multinomial Analysis

Acciaro, M.; Serra, P.

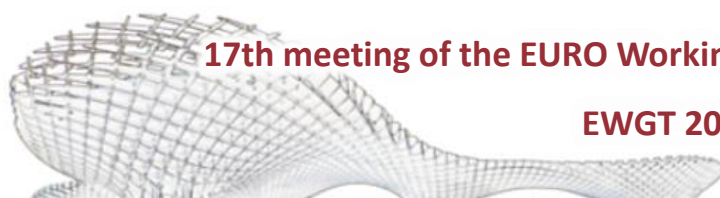


117. An Agent-based Approach to Schedule Crane Operations in Rail-Rail Transshipment Terminals

Heshmati, S.; Kokkinogenis, Z.; Rossetti, R.; Oliveira, J. F.; Carravilla, M. A.

236. Optimizing the operational process at container terminal

Mili, K.



Thursday, July 3

PARALLEL SESSION D

Thursday, 9h30-11h00

D1. Infrastructure Planning and Maintenance (ROOM 002)

56. Tools for road infrastructure safety management – Polish experiences

Jamroz, K.; Budzynski, M.; Kustra, W.; Michalski, L.; Gaca, S.

92. A quantitative approach to risk management in Critical Infrastructures

Sapori, E.; Sciutto, M.; Sciutto, G.

76. Sustainable Transport: Using Driver Verbal Protocols to Identify Highway Design Deficiencies

Ventsislavova-Petrova, P.; García-Fernández, P.; Castro, C.; Horberry, T.

95. Models for the hazardous goods railway transportation in Spain considering the effect of the catchment area of the station

Del Castillo, J. M.; Caceres, N.; Romero, L. M.; Benítez, F. G.

D2. Public Transport Accessibility (ROOM 003)

167. Efficiency of networks of collective transportation line system

Barrena, E.; De los Santos, A.; Laporte, G.; Juan A. Mesa, J. A.

68. Multi-objective optimization in dial-and-ride public transportation

Guerriero, F.; Pezzella, F.; Pisacane, O.; Trollini, L.

114. Public Transport Systems' Connectivity: Spatiotemporal Analysis and Failure Detection

Hadas, Y.; Rossi, R.; Gastaldi, M.; Gecchele, G.

148. Potential impacts on accessibility and consumer surplus of improvements of the European railway system

Rotoli, F.; Panayotis Christidis, P.; Vannacci, L.; López Ruiz, H. G.; Navajas Cawood, E.; Ibáñez Rivas, N.

D3. Smart City (ROOM 005)

108. A Semantic-Enhanced Augmented Reality Tool for OpenStreetMap POI Discovery

Ruta, M.; Scioscia, F.; De Filippis, D.; Ieva, S.; Binetti, M.; Di Sciascio, E.

13. Extracting urban activities through aggregate cellphone usage

Demissie, M. G.; Correia, G.; Bento, C.

80. A new taxonomy of Smart City projects

Perboli, G.; De Marco, A.; Perfetti, F.; Marone, M.

21. ITS for Public Transport: how to define operation requirements selecting the best solutions on the market

Ambrosino, G.; Gini, S.; Mussone, L.

D4. Traffic Flow Models (ROOM 006)

14. Real-time single detector vehicle classification

Dodsworth, J.; Shepherd, S.; Liu, R.

53. Calibration of the Gipps car-following model using trajectory data

Vasconcelos, L.; Neto, L.; Santos, S.; Bastos Silva, A.; Seco, Á.

67. Calibration of microsimulation models – The effect of calibration parameters errors in the models' performance

Figueiredo, M.; Seco, Á.; Bastos Silva, A.

106. Calibration Framework based on Bluetooth Sensors for Traffic State Estimation using CTM-v and EnKF

Allström, A.; Bayen, A.; Fransson, M.; Gundlegård, D.; Patire, A.; Rydergren, C.; Sandin, M.

D5. Railways (ROOM 111)

233. Comparison of light rail systems in Turkey with the method of comparative standard determination

Vitosoglu, Y.; Ozden, R.; Yaliniz, P.; Bilgic, S.

17. Short-term rail rolling stock rostering and maintenance scheduling

Giacco, G. L.; Carillo, D.; D'Ariano, A.; Pacciarelli, D.; Marín, Á. G.

39. Robust Infrastructure design in Rapid Transit Rail systems

Codina, E.; Marín, Á. G.; Cadarso, L.

140. A Rolling Stock Circulation Model for Railway Rapid Transit Systems

Canca, D.; Sabido, M.; Barrena, E.

220. Multiple criteria evaluation of different redesign variants of the public tram system

Kiba-Janiak, M.; Zak, J.

POSTER SESSION I

Thursday, 11h00-12h00

POSTER AREA

Board 01

34. Parking pricing for a sustainable transport system

Migliore, M.; Lo Burgio, A.; Di Giovanna, M.

Board 02

113. The influence of accumulation area and the length of pedestrian route on functioning of Roundabouts with Traffic Signals

Guminska, L.; Kustra, W.

Board 03

138. IPET (Individual Persuasive Eco-Travel Technology): a first pilot test

Meloni, I.; Delogu, G.; Sanjust Di Teulada, B.; Sottile, E.



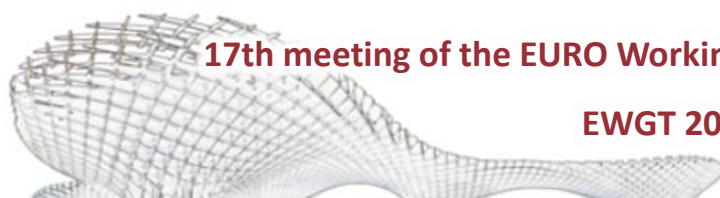
- Board 04** 145. A Neural Network based model for real estate price estimation considering environmental quality of property location
Chiarazzo, V.; Caggiani, L.; Marinelli, M.; Ottomanelli, M.
- Board 05** 161. Prediction of road accident severity using the ordered probit model
Garrido, R.; Bastos Silva, A.; De Almeida, A.; Elvas, J.
- Board 06** 162. A Conceptual Algorithm to Link Police and Hospital Records Based on Occurrence of Values
Amorim, M.; Ferreira, S.; Couto, A.
- Board 07** 181. Decision support system for city logistics: literature review, and guidelines for an ex-ante model
Bozzo, R.; Conca, A.; Marangon, F.
- Board 08** 214. Bilevel programming based algorithm for the O/D matrix adjustment
Reyes, A.; Romero, L. M.; Benítez, F. G.
- Board 09** 215. A management model for automated railways maintenance
Cores Prieto, F. J.; Caceres, N.; Benítez, F. G.; Escribá Marín, S.; Jiménez-Redondo, N.
- Board 10** 237. Features Selection based on fuzzy entropy for Data Envelopment Analysis applied to transport systems
Bray, S.; Caggiani, L.; Dell'Orco, M.; Ottomanelli, M.
- Board 11** 239. Development of Autonomous Drive and Platooning for Toyota COMS using Digital Map, GPS and Wireless sensor network
Kanchwala, H.; Ogai, H.; Wideberg, J.

PARALLEL SESSION E

Thursday, 12h00-13h30

E1. Traffic Flow Studies (ROOM 002)

88. Analysis of Congestion Phenomena on the One Lane Dropped Motorway Merge without Ramp-Metering in Istanbul
Aksoy, G.; Selçuk Ögüt, K.
111. Flow Rate Effects on Vehicle Speed at Two Way-Two Lane Rural Roads
Rossi, R.; Gastaldi, M.; Pascucci, F.
45. Assessing The Impact Of Speed Limit Changes On Urban Motorways: A Simulation Study In Lille, France
Cohen, S.; Christoforou, Z.; Seidowsky, R.
75. On the origin of statistical micro-distributions in socio-dynamical systems
Krbalek, M.



E2. Intermodality (ROOM 003)

3. The academic literature on intermodal freight transport

Mathisen, T.; Sandberg Hanssen, T. E.

52. Performance indicators for planning intermodal barge transportation systems

Wang, Y.; Bilegan, I.; Crainic, T. G.; Artiba, A.

86. Incorporating Systems Engineering Methodologies to Increase the Transferability of Journey Planners

Shoshany-Tavory, S.; Gal-Tzur, A.; Eden, N.

126. IT based Attempt to Evaluate and Promote Intermodal Transport Solutions in Central and Southeast Europe

Haider, C.; Aschauer, G.; Schmidt, C.

E3. Traffic Signal Control (ROOM 005)

40. Evaluation of a signal state prediction algorithm for car to infrastructure applications

Barthauer, M.; Friedrich, B.

101. Offset Optimisation of Traffic Lights in Urban Road Networks Assessment of Environmental Impacts

Friedrich, B.

103. Decentralized spatial decomposition for Traffic Signal Synchronization

Adacher, L.; Gemma, A.; Oliva, G.

149. Combining Ramp Metering and Hard Shoulder Strategies: Field Evaluation Results on The Ile de France Motorway Network

Haj-Salem, H.; Farhi, N.; Lebacque, J. P.

E4. Logistics (ROOM 006)

168. The contribution of scientific productions at the beginning of the third millennium (2001 - 2014) for humanitarian logistics: a bibliometric analysis

Zary, B.; Bandeira, R.; Campos, V.

204. Dynamic location of distribution centres, a real case study

Segura, E.; Carmona Benítez, R. B.; Lozano, A.

223. The selection of the logistics center location based on MCDM/A methodology

Zak, J.; Weglinski, S.

143. Structuring the distribution process of relief supplies

Costa, S.; Bandeira, R.; Campos, V.

E5. Maritime Transport (ROOM 111)

55. Port Cooperation Policies in the Mediterranean Basin: an Experimental Approach using Cluster Analysis

Fancello, G.; Pani, C.; Serra, P.; Fadda, P.

125. A Simulation Based Approach for Evaluating the Impact of Maritime Transport

on the Inventory Levels of an Oil Supply Chain

Carotenuto, P.; Giordani, S.; Zaccaro, A.

139. Grid size optimization for potential field based maritime anomaly detection

Osekowska, E.; Johnson, H.; Carlsson, B.

237. Features Selection based on fuzzy entropy for Data Envelopment Analysis applied to transport systems

Bray, S.; Caggiani, L.; Dell'Orco, M.; Ottomanelli, M.

PARALLEL SESSION F

Thursday, 15h00-16h30

F1. Driver Behaviour I (ROOM 002)

26. Analysis of the Driving Behaviour at Weaving Section Using Multiple Traffic Surveillance Data

Kusuma, A.; Liu, R.; Choudhury, C. F.; Montgomery, F.

62. Quantification of the impacts of eco-driving training and real-time feedback on urban buses drivers' behavior: a Lisbon case study

Rolim, C.; Baptista, P.; Duarte, G.; Farias, T.; Shiftan, Y.

81. Assessment and Training of Hazard Perception: Creating a tool able to evaluate different driver profiles

Gugliotta, A. A.; Ventsislavova-Petrova, P.; Peña-Suárez, E.; García-Fernández, P.; Padilla, J. L.; Castro, C.

F2. Air Quality and Emissions II (ROOM 003)

43. Evaluation of a numerical methodology to estimate pedestrians' energy consumption and PM inhalation

Faria, M.; Duarte, G.; Vasconcelos, A.; Farias, T.

105. Road grade influence on exhaust emissions of a scooter fuelled with bioethanol/gasoline blends

Prati, M. V.; Costagliola, M. A.; Tommasino, C.; Della Ragione, L.; Meccariello, G.

124. Assessing the importance of vehicle type for the implementation of eco-routing systems

Bandeira, J. M.; Fontes, T.; Pereira, S.; Fernandes, P.; Khattak, A. J.; Coelho, M.

F3. Public Transport Models (ROOM 005)

50. Improvement of the operation of the feeder bus routes to Suburban train Buenavista - Cuautitlan (Mexico DF)

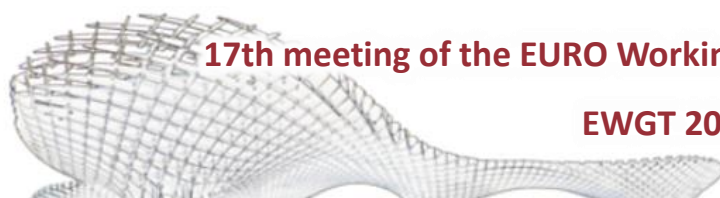
Vázquez González, F. J.; Sastre, J.; Signoret Solís, A.

64. The dynamic interaction between passenger flows and rail service

Campora, S.; Botte, M.; D'Acierno, L.; Plácido, A.; Montella, B.

191. The influence of the sidewalk parking onto curb bus lanes efficiency

Bauer, M.



F4. Pricing (ROOM 006)

4. A bilevel multi-objective road pricing model for economic, environmental and health sustainability

Wang, J. Y. T.; Ehrgott, M.; Dirks, K. N.; Gupta, A.

115. How varies optimal welfare pricing with income distribution? The case of the untolled alternative

Ortega, A.; Vassallo, J. M.; Pérez, J. I.

227. Evaluating factors of the willingness to pay to mitigate the environmental effects of freight transportation crossing the Pyrenees

Lera-López, F.; Faulin, J.; Sánchez, M.; Serrano, A.

F5. Transport Reliability (ROOM 111)

33. Benefits of a combined micro-macro approach for managing rail systems in case of disruptions

Plácido, A.; Cadarso, L.; D'Acerno, L.

190. Discrete choice models to determine high speed passenger stop under emergency conditions

Sañudo, R.; Bordagaray, M.; Dell'Olio, L.; Ibeas, Á.

231. Solving air transport contingencies by using genetic algorithms – RUCCMAN

Rísquez Fernández, J. M.; Redondo Sánchez, M.; Gómez Lorenzo, J. J.; Timón Reina, S.

61. A Line Planning Model for Delay Resistance

Harbering, J.; Schöbel, A.

PARALLEL SESSION G

Thursday, 16h30-18h00

G1. In Vehicle Data Acquisition (ROOM 002)

107. Comparison between vehicle speed profiles acquired by differential GPS and UAV

Salvo, G.; Caruso, L.; Scordo, A.; Guido, G.; Vitale, A.

154. Level of service estimation based on low-frequency floating car data

Axer, S.; Friedrich, B.

176. Identifying road bumps and potholes by smartphone sound pressure measurements

Astarita, V.; Festa, C. D.; Mongelli, D.; Giorgi, P.

180. New Technologies for Public Transport in Favelas

Gonçalves, C.; Bandeira, R.

G2. Network Analysis (ROOM 003)

79. Real-time estimation of critical accumulation in perimeter flow control for

maximum network throughput

Ampountolas, K.; Kouvelas, A.

197. Analysis of the difference between the Euclidean distance and the actual road distance in Brazil

Gonçalves, D.; Gonçalves, C.; Assis, T.; Da Silva, M.

203. Techniques in Multimodal Shortest Path in Public Transport Systems

López Flores, D.; Lozano, A.

228. Reverse Assignment Formulation in Evacuation Simulation

Polimeni, A.; Vitetta, A.

G3. Transport Policy (ROOM 005)

121. Market share modelling in airline industry: an emerging market economies application

Babic, D.; Kuljanin, J.; Kalic, M.

171. Problems about Turkish Parking Regulations

Bilgic, S.; Yaliniz, P.; Vitosoglu, Y.

230. Issues on Brazilian Public Transport Policy: Brasilia Metropolitan Area Case Study

Aveni, A.

37. Development of an integrated transport-land use model for the activities relocation in urban areas

Brandi, A.; Gori, S.; Nigro, M.; Petrelli, M.

G4. Sustainable Mobility II (ROOM 006)

24. IEE ENCLOSE project: the integration of Sustainable Urban Logistics and Mobility Plans in 9 European small/mid-size towns

Ambrosino, G.; Pettinelli, I.; Bellini, R.; Gini, S.; Guerra, S.

183. A methodology to promote sustainable mobility in college campuses

Dell'Olio, L.; Bordagaray, M.; Barreda, R.; Ibeas, Á.

192. Comparing urban mobility indicators on the implementation of non motorised vehicles strategies in urban areas

Duarte Sastre, A. L.; Mendoza Muro, M. S.; Rodríguez Estévez, S.; Fernández de Valderrama Aparicio, L. M.; Duarte Sastre, J. A.; Berazain, M.; Pineda Gamarra, P.

23. Sustainable services activated in Treviso urban area under Life+ PERTH project: an example of mobility governance in a medium sized city

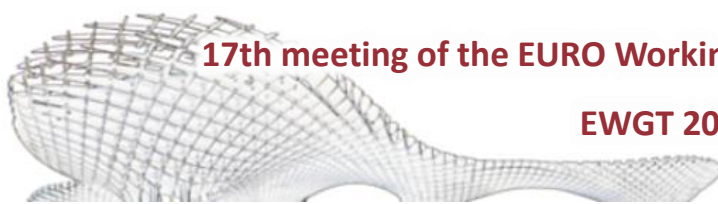
Gini, S.; Mingardo, M.; Dall'Agnol, M.; Ambrosino, G.; Liberato, A.

196. Analysis of alternatives for the outflow of soybeans the State of Mato Grosso

Assis, T.; Gonçalves, C.; Gonçalves, D.; Da Silva, M.; Cesar Amorim, J. C.

G5. Travel Time Studies (ROOM 111)

51. Isolating Different Factors Affecting Travel Time Reliability in an Observational



Before/After Study

Bhourri, N.; Aron, M.

141. Estimating Travel Time Distribution under different Traffic conditions

Guessous, Y.; Aron, M.; Bhourri, N.; Cohen, S.

164. Upper bounds for the travel time on traffic systems

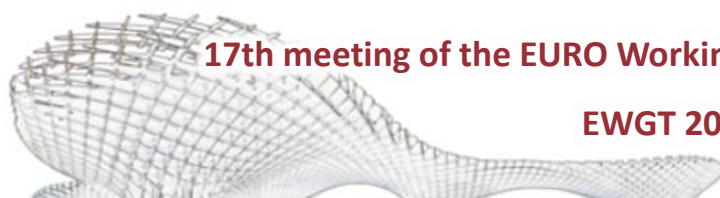
Farhi, N.; Haj-Salem, H.; Lebacque, J. P.

184. Travel time of public transport vehicles estimation

Birr, K.; Jamroz, K.; Kustra, W.

209. Analytical formulation of trip travel time distribution

Chen, X.; Osorio, C.



Friday, July 4

PARALLEL SESSION H

Friday, 9h00-10h30

H1. Driver Behaviour II (ROOM 002)

35. Temporal Adaptation to Reward Schemes: Results of the SpitsScoren Project

Khademi, E.; Timmermans, H.; Borgers, A.

66. Driver Behavior Characterization in Roundabout Crossings

Bastos Silva, A.; Santos, S.; Vasconcelos, L.; Seco, Á.; Silva, J.

169. Sustainable traffic safety management at accident black spots combined with drivers' psychology and vehicle engineering using Eye Mark Recorder

Wakabayashi, H.; Ando, M.; Kawaguchi, T.; Horie, Y.; Hotta, K.

H2. Public Transport Scheduling (ROOM 003)

18. Evaluating the applicability of advanced techniques for practical real-time train scheduling

D'Ariano, A.; Samà, M.; D'Ariano, P.; Pacciarelli, D.

186. Simultaneous frequency and capacity setting in uncapacitated railway lines in presence of a competing mode

De los Santos, A.; Laporte, G.; Juan A. Mesa, J. A.; Perea, F.

25. Acceleration strategies for improving railway rapid transit systems: building schedules for a given frequency distribution

Zarzo, A.; Canca, D.

47. Optimal timetables and vehicle schedules in a transit network

Laporte, G.; Ortega, F. A.; Pozo, M. A.; Puerto, J.

H3. Network Traffic Analysis (ROOM 005)

116. Estimation of the Network Fundamental Diagram (NFD) indicator: an urban application in emergency conditions

Musolino, G.; Vitetta, A.

163. Dynamic assignment with user information in multimodal networks

Atmani, D.; Lebacque, J. P.; Bhouiri, N.; Haj-Salem, H.

205. A bilevel optimization program with equilibrium constraints for an urban network dependent on time

Londono, G.; Lozano, A.

131. The impact of vehicular networks on urban networks

Khoshyaran, M.

199. Macroscopic modeling of very large networks

Lebacque, J. P.; Khoshyaran, M.

H4. User and Traveler Information (ROOM 006)

63. Effects of information provision activities in streets on driving speeds

Mimura, Y.; Kato, H.; Higuchi, K.; Ono, T.; Ando, R.

84. A Stated Adaptation Approach to Assess Changes in Individuals' Activity-Travel Behavior in Presence of Personalized Travel Information

Parvaneh, Z.; Arentze, T.; Timmermans, H.

123. Emissions impact of road traffic incidents using Advanced Traveller Information Systems in a regional scale

Fontes, T.; Lemos, A.; Fernandes, P.; Pereira, S.; Bandeira, J. M.; Coelho, M.

85. Evaluation of providing recommended speed for reducing CO2 emissions from vehicles by driving simulator

Matsumoto, Y.; Tsurudome, D.

POSTER SESSION II

Friday, 10h30-11h30

POSTER AREA

Board 01 20. Distributed regret matching algorithm for dynamic congestion games with information provision
Ma, TY; Gerber, P.

Board 02 27. Integrating Environmental Policies into Transport Business Strategy: A Framework for Decision Support
Teles, M. F.; Freire De Sousa, J.

Board 03 53. Calibration of the Gipps car-following model using trajectory data
Vasconcelos, L.; Neto, L.; Santos, S.; Bastos Silva, A.; Seco, Á.

Board 04 77. Situation Awareness of Spanish drivers: Measuring their accuracy on the Hazard Perception Test
Peña-Suárez, E.; Gugliotta, A. A.; Ventsislavova-Petrova, P.; García-Fernández, P.; Padilla, J. L.; Castro, C.

Board 05 107. Comparison between vehicle speed profiles acquired by differential GPS and UAV
Salvo, G.; Caruso, L.; Scordo, A.; Guido, G.; Vitale, A.

Board 06 110. Real-time traffic signal settings at an isolated signal control intersection
Vilarinho, C.; Tavares, J. P.

Board 07 164. Upper bounds for the travel time on traffic systems
Farhi, N.; Haj-Salem, H.; Lebacque, J. P.

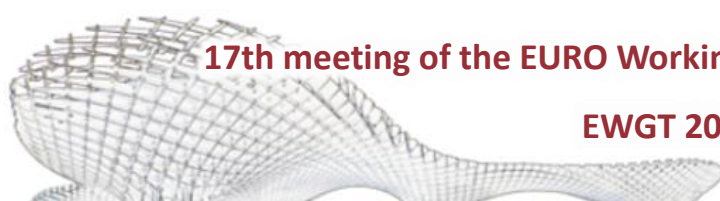


- Board 08** 213. Updating trip matrices using heterogeneous data source under confidence interval constraints and high convergence assignment
Benítez, F. G.; Reyes, A.; Romero, L. M.; Caceres, N.; Del Castillo, J. M.
- Board 09** 217. Analysis of disaggregated traffic count of dangerous goods through ANPR systems
Morales, F. J.; Benítez, F. G.
- Board 10** 218. Potentials for the modal shift from road to rail in the transport of dangerous goods
Caceres, N.; Romero, L. M.; Benítez, F. G.; Del Castillo, J. M.; Sastre, J.
- Board 11** 219. Demand models for the transportation of dangerous goods by road in Andalusia
Romero, L. M.; Caceres, N.; Benítez, F. G.; Del Castillo, J. M.

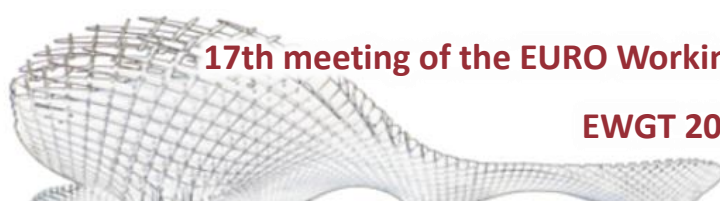
Index by Paper

3. The academic literature on intermodal freight transport	E2 - Thursday, 12:00-13:30
4. A bilevel multi-objective road pricing model for economic, environmental and health sustainability	F4 - Thursday, 15:00-16:30
7. Energy and environmental impacts of potential application of fully or partially electric propulsion vehicles: application to Lisbon and São Miguel, Portugal	B2 - Wednesday, 15:00-16:30
9. Trip Allocation and stacking policies at a container terminal	C3 - Wednesday, 16:30-18:00
10. Effects of combined curves on driver's speed behavior: driving simulator study	C1 - Wednesday, 16:30-18:00
11. ITS for e-grocery business: the Simulation and Optimization of Urban Logistics project	C2 - Wednesday, 16:30-18:00
13. Extracting urban activities through aggregate cellphone usage	D3 - Thursday, 9:30-11:00
14. Real-time single detector vehicle classification	D4 - Thursday, 9:30-11:00
15. Sensitivity Analysis of Different Supply Design Alternatives: Experimental Results	B3 - Wednesday, 15:00-16:30
16. Robust Optimization of Intersection Capacity	A3 - Wednesday, 11:30-13:30
17. Short-term rail rolling stock rostering and maintenance scheduling	D5 - Thursday, 9:30-11:00
18. Evaluating the applicability of advanced techniques for practical real-time train scheduling	H2 - Friday, 9:00-10:30
19. Geographic, social-cultural and modal usage determinants of activity space: a case study of EU Institutions in Luxembourg and Strasbourg	C1 - Wednesday, 16:30-18:00
20. Distributed regret matching algorithm for dynamic congestion games with information provision	Poster Session II (Board 01) - Friday, 10:30-11:30
21. ITS for Public Transport: how to define operation requirements selecting the best solutions on the market	D3 - Thursday, 9:30-11:00
22. The ancillary role of CO2 reduction in urban transport plans	B2 - Wednesday, 15:00-16:30
23. Sustainable services activated in Treviso urban area under Life+ PERTH project: an example of mobility governance in a medium sized city	G4 - Thursday, 16:30-18:00
24. IEE ENCLOSE project: the integration of Sustainable Urban Logistics and Mobility Plans in 9 European small/mid-size towns	G4 - Thursday, 16:30-18:00

25. Acceleration strategies for improving railway rapid transit systems: building schedules for a given frequency distribution	H2 - Friday, 9:00-10:30
26. Analysis of the Driving Behaviour at Weaving Section Using Multiple Traffic Surveillance Data	F1 - Thursday, 15:00-16:30
27. Integrating Environmental Policies into Transport Business Strategy: A Framework for Decision Support	Poster Session II (Board 02) - Friday, 10:30-11:30
29. Emissions cap-and-trade approaches for managing urban road mobility	B2 - Wednesday, 15:00-16:30
33. Benefits of a combined micro-macro approach for managing rail systems in case of disruptions	F5 - Thursday, 15:00-16:30
34. Parking pricing for a sustainable transport system	Poster Session I (Board 01) - Thursday, 11:00-12:00
35. Temporal Adaptation to Reward Schemes: Results of the SpitsScoren Project	H1 - Friday, 9:00-10:30
36. Time dependent travel speed vehicle routing and scheduling on a real road network: the case of Torino	A1 - Wednesday, 11:30-13:30
37. Development of an integrated transport-land use model for the activities relocation in urban areas	G3 - Thursday, 16:30-18:00
39. Robust Infrastructure design in Rapid Transit Rail systems	D5 - Thursday, 9:30-11:00
40. Evaluation of a signal state prediction algorithm for car to infrastructure applications	E3 - Thursday, 12:00-13:30
43. Evaluation of a numerical methodology to estimate pedestrians' energy consumption and PM inhalation	F2 - Thursday, 15:00-16:30
45. Assessing The Impact Of Speed Limit Changes On Urban Motorways: A Simulation Study In Lille, France	E1 - Thursday, 12:00-13:30
47. Optimal timetables and vehicle schedules in a transit network	H2 - Friday, 9:00-10:30
50. Improvement of the operation of the feeder bus routes to Suburban train Buenavista - Cuautitlan (Mexico DF)	F3 - Thursday, 15:00-16:30
51. Isolating Different Factors Affecting Travel Time Reliability in an Observational Before/After Study	G5 - Thursday, 16:30-18:00
52. Performance indicators for planning intermodal barge transportation systems	E2 - Thursday, 12:00-13:30
53. Calibration of the Gipps car-following model using trajectory data	D4 - Thursday, 9:30-11:00 & Poster Session II (Board 03) - Friday, 10:30-11:30



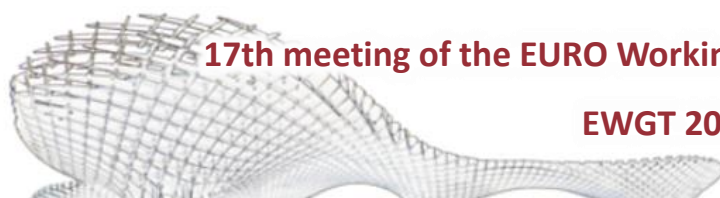
54. Factors Influencing Logistics Service Providers' Efficiency in Urban Distribution Systems	C2 - Wednesday, 16:30-18:00
55. Port Cooperation Policies in the Mediterranean Basin: an Experimental Approach using Cluster Analysis	E5 - Thursday, 12:00-13:30
56. Tools for road infrastructure safety management – Polish experiences	D1 - Thursday, 9:30-11:00
57. An AHP approach to aircraft selection process	B3 - Wednesday, 15:00-16:30
59. Reduced urban traffic and emissions within urban consolidation centre schemes: The case of Bristol	C2 - Wednesday, 16:30-18:00
60. A micro-simulation model for performance evaluation of a logistics platform	C3 - Wednesday, 16:30-18:00
61. A Line Planning Model for Delay Resistance	F5 - Thursday, 15:00-16:30
62. Quantification of the impacts of eco-driving training and real-time feedback on urban buses drivers' behavior: a Lisbon case study	F1 - Thursday, 15:00-16:30
63. Effects of information provision activities in streets on driving speeds	H4 - Friday, 9:00-10:30
64. The dynamic interaction between passenger flows and rail service	F3 - Thursday, 15:00-16:30
65. A decision support system based on Electre III for safety analysis in a suburban road network	B3 - Wednesday, 15:00-16:30
66. Driver Behavior Characterization in Roundabout Crossings	H1 - Friday, 9:00-10:30
67. Calibration of microsimulation models – The effect of calibration parameters errors in the models' performance	D4 - Thursday, 9:30-11:00
68. Multi-objective optimization in dial-and-ride public transportation	D2 - Thursday, 9:30-11:00
75. On the origin of statistical micro-distributions in socio-dynamical systems	E1 - Thursday, 12:00-13:30
76. Sustainable Transport: Using Driver Verbal Protocols to Identify Highway Design Deficiencies	D1 - Thursday, 9:30-11:00
77. Situation Awareness of Spanish drivers: Measuring their accuracy on the Hazard Perception Test	Poster Session II (Board 04) - Friday, 10:30-11:30
78. Identifying priority areas for the improvement of urban taxi service quality	B1 - Wednesday, 15:00-16:30
79. Real-time estimation of critical accumulation in perimeter flow control for maximum network throughput	G2 - Thursday, 16:30-18:00



80. A new taxonomy of Smart City projects	D3 - Thursday, 9:30-11:00
81. Assessment and Training of Hazard Perception: Creating a tool able to evaluate different driver profiles	F1 - Thursday, 15:00-16:30
84. A Stated Adaptation Approach to Assess Changes in Individuals' Activity-Travel Behavior in Presence of Personalized Travel Information	H4 - Friday, 9:00-10:30
85. Evaluation of providing recommended speed for reducing CO2 emissions from vehicles by driving simulator	H4 - Friday, 9:00-10:30
86. Incorporating Systems Engineering Methodologies to Increase the Transferability of Journey Planners	E2 - Thursday, 12:00-13:30
88. Analysis of Congestion Phenomena on the One Lane Dropped Motorway Merge without Ramp-Metering in İstanbul	E1 - Thursday, 12:00-13:30
92. A quantitative approach to risk management in Critical Infrastructures	D1 - Thursday, 9:30-11:00
95. Models for the hazardous goods railway transportation in Spain considering the effect of the catchment area of the station	D1 - Thursday, 9:30-11:00
96. Enabling a two-way carsharing system to provide one-way service	A2 - Wednesday, 11:30-13:30
98. Travel pattern of the Andalusian population, regarding to different daily activities: travel to work, studies, household responsibilities and leisure	C1 - Wednesday, 16:30-18:00
99. Simulating carsharing operations through agent based modelling: an application to the city of Lisbon, Portugal	A2 - Wednesday, 11:30-13:30
101. Offset Optimisation of Traffic Lights in Urban Road Networks Assessment of Environmental Impacts	E3 - Thursday, 12:00-13:30
103. Decentralized spatial decomposition for Traffic Signal Synchronization	E3 - Thursday, 12:00-13:30
105. Road grade influence on exhaust emissions of a scooter fuelled with bioethanol/gasoline blends	F2 - Thursday, 15:00-16:30
106. Calibration Framework based on Bluetooth Sensors for Traffic State Estimation using CTM-v and EnKF	D4 - Thursday, 9:30-11:00
107. Comparison between vehicle speed profiles acquired by differential GPS and UAV	G1 - Thursday, 16:30-18:00 & Poster Session II (Board 05) - Friday, 10:30-11:30
108. A Semantic-Enhanced Augmented Reality Tool for OpenStreetMap POI Discovery	D3 - Thursday, 9:30-11:00

110. Real-time traffic signal settings at an isolated signal control intersection	Poster Session II (Board 06) - Friday, 10:30-11:30
111. Flow Rate Effects on Vehicle Speed at Two Way-Two Lane Rural Roads	E1 - Thursday, 12:00-13:30
112. Evaluation of air pollution impacts of a signal control to roundabout conversion using microsimulation	A3 - Wednesday, 11:30-13:30
113. The influence of accumulation area and the length of pedestrian route on functioning of Roundabouts with Traffic Signals	Poster Session I (Board 02) - Thursday, 11:00-12:00
114. Public Transport Systems' Connectivity: Spatiotemporal Analysis and Failure Detection	D2 - Thursday, 9:30-11:00
115. How varies optimal welfare pricing with income distribution? The case of the untolled alternative	F4 - Thursday, 15:00-16:30
116. Estimation of the Network Fundamental Diagram (NFD) indicator: an urban application in emergency conditions	H3 - Friday, 9:00-10:30
117. An Agent-based Approach to Schedule Crane Operations in Rail-Rail Transshipment Terminals	C3 - Wednesday, 16:30-18:00
118. Optimal Design and Real-Time Traffic Signal Control Using Latest Data Collection Technologies	A3 - Wednesday, 11:30-13:30
120. Performance Analyses on Four-Legged Signalized Junctions: A Case Study	A3 - Wednesday, 11:30-13:30
121. Market share modelling in airline industry: an emerging market economies application	G3 - Thursday, 16:30-18:00
123. Emissions impact of road traffic incidents using Advanced Traveller Information Systems in a regional scale	H4 - Friday, 9:00-10:30
124. Assessing the importance of vehicle type for the implementation of eco-routing systems	F2 - Thursday, 15:00-16:30
125. A Simulation Based Approach for Evaluating the Impact of Maritime Transport on the Inventory Levels of an Oil Supply Chain	E5 - Thursday, 12:00-13:30
126. IT based Attempt to Evaluate and Promote Intermodal Transport Solutions in Central and Southeast Europe	E2 - Thursday, 12:00-13:30
131. The impact of vehicular networks on urban networks	H3 - Friday, 9:00-10:30
138. IPET (Individual Persuasive Eco-Travel Technology): a first pilot test	Poster Session I (Board 03) - Thursday, 11:00-12:00

139. Grid size optimization for potential field based maritime anomaly detection	E5 - Thursday, 12:00-13:30
140. A Rolling Stock Circulation Model for Railway Rapid Transit Systems	D5 - Thursday, 9:30-11:00
141. Estimating Travel Time Distribution under different Traffic conditions	G5 - Thursday, 16:30-18:00
143. Structuring the distribution process of relief supplies	E4 - Thursday, 12:00-13:30
145. A Neural Network based model for real estate price estimation considering environmental quality of property location	Poster Session I (Board 04) - Thursday, 11:00-12:00
146. Strategic Determinants of Terminal Operating System Choice: An Empirical Approach using Multinomial Analysis	C3 - Wednesday, 16:30-18:00
148. Potential impacts on accessibility and consumer surplus of improvements of the European railway system	D2 - Thursday, 9:30-11:00
149. Combining Ramp Metering and Hard Shoulder Strategies: Field Evaluation Results on The Ile de France Motorway Network	E3 - Thursday, 12:00-13:30
150. High Speed Train Demand Management in Turkey	B1 - Wednesday, 15:00-16:30
154. Level of service estimation based on low-frequency floating car data	G1 - Thursday, 16:30-18:00
156. A Flexible Transport Service for Passengers	A1 - Wednesday, 11:30-13:30
161. Prediction of road accident severity using the ordered probit model	Poster Session I (Board 05) - Thursday, 11:00-12:00
162. A Conceptual Algorithm to Link Police and Hospital Records Based on Occurrence of Values	Poster Session I (Board 06) - Thursday, 11:00-12:00
163. Dynamic assignment with user information in multimodal networks	H3 - Friday, 9:00-10:30
164. Upper bounds for the travel time on traffic systems	G5 - Thursday, 16:30-18:00 & Poster Session II (Board 07) - Friday, 10:30-11:30
167. Efficiency of networks of collective transportation line system	D2 - Thursday, 9:30-11:00
168. The contribution of scientific productions at the beginning of the third millennium (2001 - 2014) for humanitarian logistics: a bibliometric analysis	E4 - Thursday, 12:00-13:30



169. Sustainable traffic safety management at accident black spots combined with drivers' psychology and vehicle engineering using Eye Mark Recorder	H1 - Friday, 9:00-10:30
170. The Electric Vehicle Routing Problem with industry constraints	A1 - Wednesday, 11:30-13:30
171. Problems about Turkish Parking Regulations	G3 - Thursday, 16:30-18:00
174. The Speed Dependent HVRP with Environmental Considerations	A1 - Wednesday, 11:30-13:30
176. Identifying road bumps and potholes by smartphone sound pressure measurements	G1 - Thursday, 16:30-18:00
180. New Technologies for Public Transport in Favelas	G1 - Thursday, 16:30-18:00
181. Decision support system for city logistics: literature review, and guidelines for an ex-ante model	Poster Session I (Board 07) - Thursday, 11:00-12:00
183. A methodology to promote sustainable mobility in college campuses	G4 - Thursday, 16:30-18:00
184. Travel time of public transport vehicles estimation	G5 - Thursday, 16:30-18:00
186. Simultaneous frequency and capacity setting in uncapacitated railway lines in presence of a competing mode	H2 - Friday, 9:00-10:30
189. A multi-objective time-dependent route planner: a real world application to Milano city	A1 - Wednesday, 11:30-13:30
190. Discrete choice models to determine high speed passenger stop under emergency conditions	F5 - Thursday, 15:00-16:30
191. The influence of the sidewalk parking onto curb bus lanes efficiency	F3 - Thursday, 15:00-16:30
192. Comparing urban mobility indicators on the implementation of non motorised vehicles strategies in urban areas	G4 - Thursday, 16:30-18:00
194. Artificial Neural Networks Application to estimate the distribution of travel soybeans for export in Brazil	C2 - Wednesday, 16:30-18:00
196. Analysis of alternatives for the outflow of soybeans the State of Mato Grosso	G4 - Thursday, 16:30-18:00
197. Analysis of the difference between the Euclidean distance and the actual road distance in Brazil	G2 - Thursday, 16:30-18:00
199. Macroscopic modeling of very large networks	H3 - Friday, 9:00-10:30
203. Techniques in Multimodal Shortest Path in Public Transport Systems	G2 - Thursday, 16:30-18:00

204. Dynamic location of distribution centres, a real case study	E4 - Thursday, 12:00-13:30
205. A bilevel optimization program with equilibrium constraints for an urban network dependent on time	H3 - Friday, 9:00-10:30
206. The Investment Decision Process: how to formulate priorities in the transport sector?	B3 - Wednesday, 15:00-16:30
207. The Multi-Path Traveling Salesman Problem with Stochastic Travel Costs. Building Realistic Instances for City Logistics Applications	C2 - Wednesday, 16:30-18:00
209. Analytical formulation of trip travel time distribution	G5 - Thursday, 16:30-18:00
210. Optimization of cycle paths with mathematical programming	A2 - Wednesday, 11:30-13:30
212. Users' preferences towards automated road public transport: results from European surveys	C1 - Wednesday, 16:30-18:00
213. Updating trip matrices using heterogeneous data source under confidence interval constraints and high convergence assignment	Poster Session II (Board 08) - Friday, 10:30-11:30
214. Bilevel programming based algorithm for the O/D matrix adjustment	Poster Session I (Board 08) - Thursday, 11:00-12:00
215. A management model for automated railways maintenance	Poster Session I (Board 09) - Thursday, 11:00-12:00
217. Analysis of disaggregated traffic count of dangerous goods through ANPR systems	Poster Session II (Board 09) - Friday, 10:30-11:30
218. Potentials for the modal shift from road to rail in the transport of dangerous goods	Poster Session II (Board 10) - Friday, 10:30-11:30
219. Demand models for the transportation of dangerous goods by road in Andalusia	Poster Session II (Board 11) - Friday, 10:30-11:30
220. Multiple criteria evaluation of different redesign variants of the public tram system	D5 - Thursday, 9:30-11:00
222. Integration of the urban public transportation system with the application of traffic simulation	B1 - Wednesday, 15:00-16:30
223. The selection of the logistics center location based on MCDM/A methodology	E4 - Thursday, 12:00-13:30
224. Application of AHP method for multi-criteria evaluation of variants of the integration of urban public transport	B1 - Wednesday, 15:00-16:30
226. Designing optimal routes for cyclo-tourists	A2 - Wednesday, 11:30-13:30

227. Evaluating factors of the willingness to pay to mitigate the environmental effects of freight transportation crossing the Pyrenees	F4 - Thursday, 15:00-16:30
228. Reverse Assignment Formulation in Evacuation Simulation	G2 - Thursday, 16:30-18:00
230. Issues on Brazilian Public Transport Policy: Brasilia Metropolitan Area Case Study	G3 - Thursday, 16:30-18:00
231. Solving air transport contingencies by using genetic algorithms – RUCCMAN	F5 - Thursday, 15:00-16:30
233. Comparison of light rail systems in Turkey with the method of comparative standard determination	D5 - Thursday, 9:30-11:00
234. Modelling the propensity in adhering to a carsharing service: a behavioral approach	A2 - Wednesday, 11:30-13:30
235. A sensitivity analysis of total cost of ownership for electric public bus transport systems in Swedish medium sized cities	B2 - Wednesday, 15:00-16:30
236. Optimizing the operational process at container terminal	C3 - Wednesday, 16:30-18:00
237. Features Selection based on fuzzy entropy for Data Envelopment Analysis applied to transport systems	E5 - Thursday, 12:00-13:30 & Poster Session I (Board 10) - Thursday, 11:00-12:00
239. Development of Autonomous Drive and Platooning for Toyota COMS using Digital Map, GPS and Wireless sensor network	Poster Session I (Board 11) - Thursday, 11:00-12:00

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