

Società Italiana degli Economisti dei Trasporti e della Logistica (SIET)

XX SIET Scientific Meeting

Mobility and The City: Policies for Sustainability

Milano, 20 - 22 June 2018



DAStU,
Politecnico di Milano

Comitato Scientifico

Sponsors



Conference Chairs and Hosts

- *Paolo Beria*, Associate Professor of Transport Economics , Polytechnic of Milan
- *Ilaria Mariotti*, Associate Professor of Urban and Regional Economics, Polytechnic of Milan
- *Ila Maltese*, Lecturer, Polytechnic of Milan; Fellow researcher University of Rome3

Scientific Steering Committee and Conference Organisers

- *Paolo Beria* (Prof.), Polytechnic of Milan
- *Ilaria Mariotti* (Prof.), Polytechnic of Milan
- *Ila Maltese* (Dr.), Polytechnic of Milan, University of Rome3
- *Angela Stefania Bergantino* (prof.), University of Bari
- *Claudio Ferrari* (Prof.), University of Genoa

Con il contributo di



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI ARCHITETTURA
E STUDI URBANI



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Overview

20 / 06

morning

Aula Auditorium 

PLENARY SESSION

*“Mobility and the city:
policies for sustainability”*

afternoon

Aula Castigliano 

Aula Beltrami 

Aula S1.3 

PARALLEL SESSIONS

late afternoon

Visit - walk in Porta Nuova
(in collaboration with
Associazione Interessi
Metropolitani - AIM)

21 / 06

morning

Aula Castigliano 

Aula Beltrami 

Aula S1.3 

PARALLEL SESSIONS

afternoon

Aula Castigliano 

Aula Beltrami 

Aula S1.3 

PARALLEL SESSIONS

late afternoon

Aula S1.3 

RIUNIONE SOCI SIET

Osteria Del Binari, Milan 

SOCIAL DINNER

22 / 06

morning

Aula Castigliano 

Aula Beltrami 

Aula S1.3 

PARALLEL SESSIONS /

BOOKS PRESENTATION

afternoon

Aula Auditorium 

PLENARY SESSION

INDUSTRY

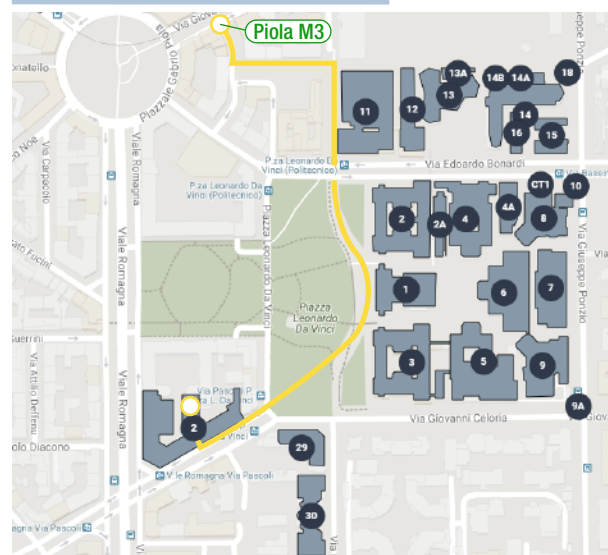
*“Travel platforms, market and
regulation”*

How To Reach Us

POLITECNICO'S CLASSROOMS

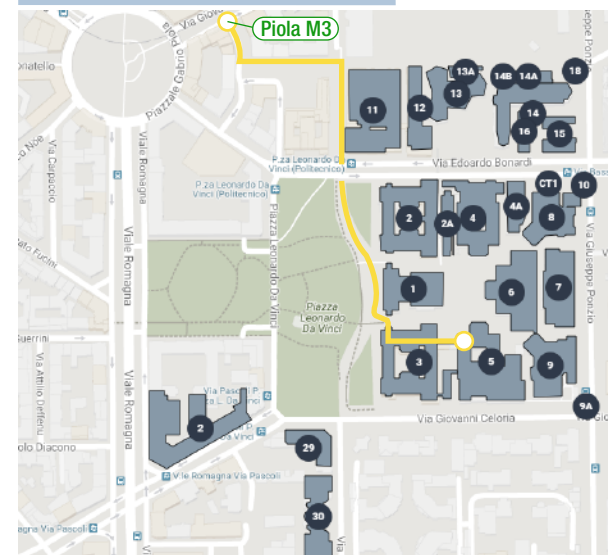
Attenzione: il convegno si tiene nella sede "storica" del Politecnico a Città Studi (Campus Leonardo), NON al Campus Bovisa.

Aula Auditorium



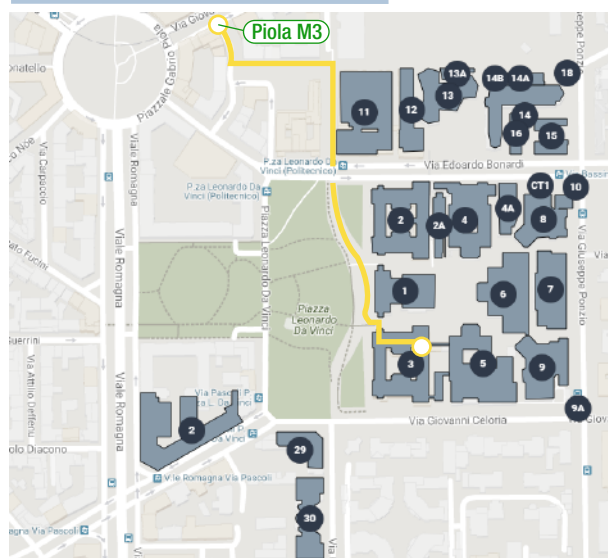
Building n°2
via Pascoli 53
(ground floor)

Aula Beltrami



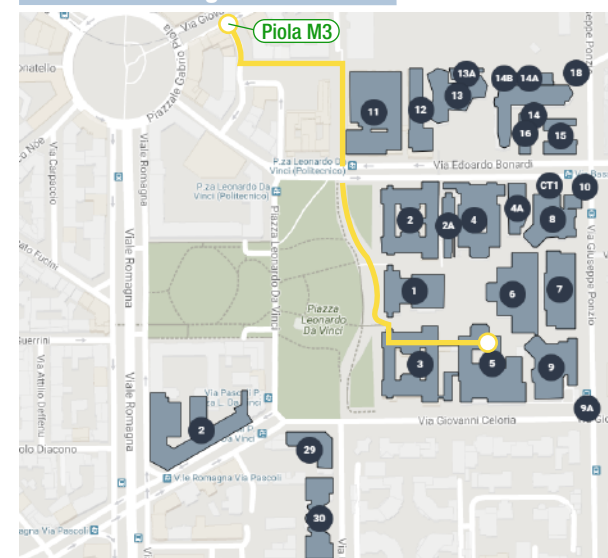
Building n°5
Piazza Leonardo
da Vinci, 32
(ground floor)

Aula S 1.3



Building n°3
Piazza Leonardo
da Vinci, 32
(first floor)

Aula Castigliano



Building n°5
Piazza Leonardo
da Vinci, 32
(ground floor)

How To Reach Us

BY LOCAL PUBLIC TRANSPORT



RETE METROPOLITANA E LINEE FERROVIARIE SUBURBANE METRO NETWORK AND SUBURBAN RAILWAYS

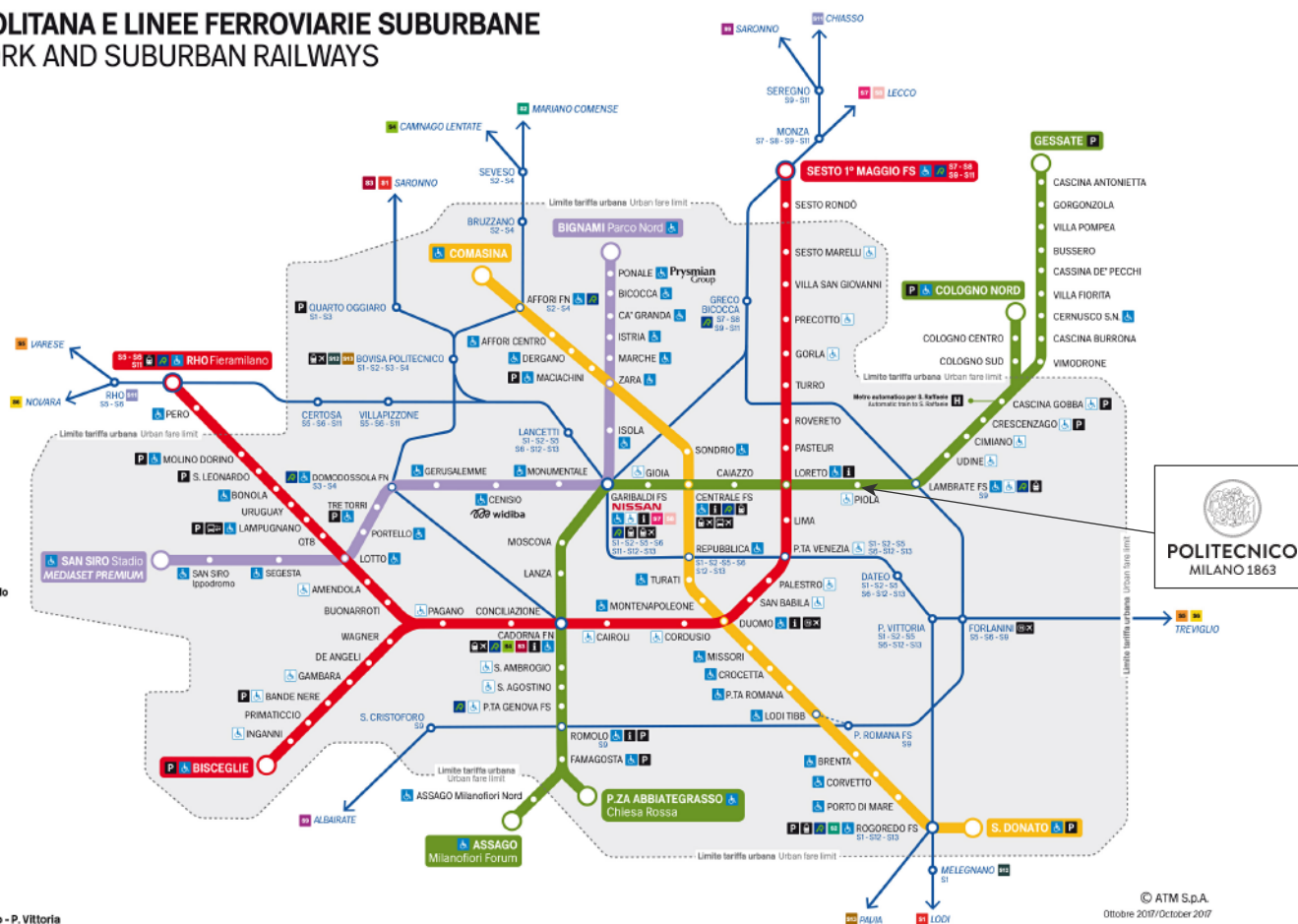
- M1** Metro Lines / Line 1
- M2** Metro Lines / Line 2
- M3** Metro Lines / Line 3
- M5** Metro Lines / Line 5

- Stazione accessibile (ascensori)**
Step-free station (lifts)
- Stazione accessibile (montascale)**
Step-free station (stairs)
- ATM Point: informazioni e punto vendita**
ATM Point: information and sales point
- Linee ferroviarie regionali**
Regional railways
- Intersezione con rete ferroviaria**
Connection with railway system
- Linea 73 per Aeroporto di Linate**
Line 73 to Linate Airport
- Bus per Aeroporto di Linate, Malpensa e Orio al Serio**
Bus service to Linate, Malpensa and Orio al Serio Airports
- Malpensa Express**
- Terminal bus lunga percorrenza**
Long distance bus terminal
- Parcheggio di corrispondenza ATM**
ATM car park
- Limite tariffa urbana**
Urban fare limit

Linee ferroviarie suburbane Suburban railways

- S1** Saronno - Milano Passante* - Lodi
- S2** Mariano Comense - Milano Passante* - Milano Rogoredo
- S3** Saronno - Milano Bovispa - Milano Cadorna
- S4** Camnago Lentate - Milano Bovispa - Milano Cadorna
- S5** Varese - Milano Passante* - Treviglio
- S6** Novara - Milano Passante* - Treviglio
- S7** Lecco - Molteno - Milano P. Garibaldi
- S8** Lecco - Carnate - Milano P. Garibaldi
- S9** Saronno - Milano Greco - Albairate
- S11** Chiasso - Milano P. Garibaldi - Rho
- S12** Melegnano - Milano Passante* - Milano Bovispa
- S13** Pavia - Milano Passante* - Milano Bovispa

*STAZIONI / STATIONS:
Lancetti - P. Garibaldi - Repubblica - P. Venezia - Dateo - P. Vittoria



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Ottobre 2017/October 2017

www.atm.it | Infoline ATM 02.48.607.607 | [@atm_informa](https://twitter.com/atm_informa)



The ATM network is characterized by 5 metro lines, trams, buses and trolleybuses. The price of the urban fare is 1,5€, and it is NEVER sold on board. It is possible to buy the ticket at the metro stations, in several cafés, at the newsstands and in tobacco shops. It is also possible to buy an e-ticket on the ATM mobile app. Regarding metro tickets, you can also directly buy them at the barriers with a "contactless" credit card. The Leonardo Campus is at three minutes walking from **Piola M2** station. Other public transport lines are the n. 90/91 (circular line), that stops in Viale

Romagna (3' walking), tramway n. 19 and n. 33. In addition to the ATM network, Trenord offers regional and suburban services. Lambrate station is served by numerous trains and it is at 10 minutes walking from Leonardo Campus; alternatively, for the laziest people, it is possible to take the M2 line from Lambrate and, after one stop, you can reach Piola. The nearest station of the underground railway line is Porta Venezia, located at 20 minutes walking (1,6 km) from Leonardo Campus; alternatively, it is possible to take the tram n. 33 for few stops.

How To Reach Us

BY TRAIN AND BUS



By train

Almost all of the milanese stations with long-distance trains are served by M2, which is the line that, with Piola station, serves the Politecnico Campus Leonardo. Only from Rogoredo you need to take the M3 to Milano Centrale and then the M2. The urban fare is 1,5€.

By bus

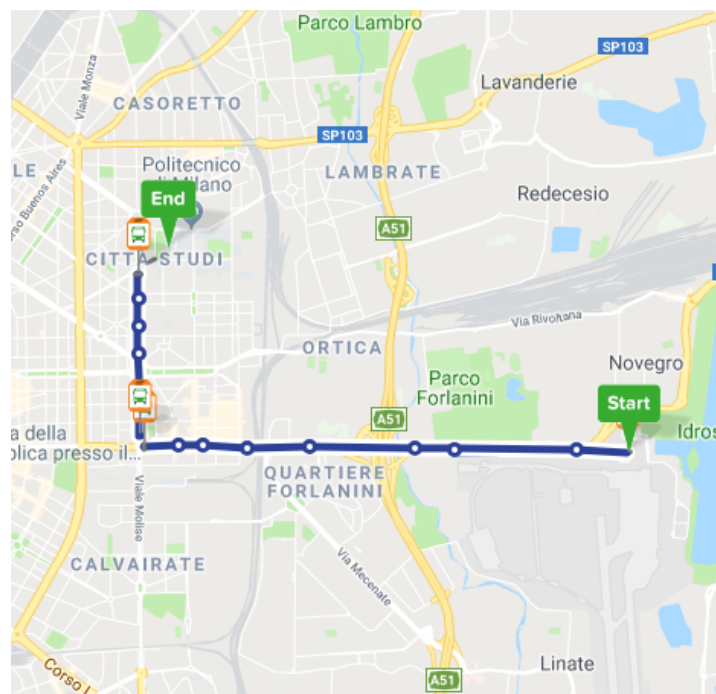
The main bus terminal is Milano Lampugnano, where there's also a M1 station. Take the line towards Sesto and get off in Cadorna station, where you will take the M2. Some buses stop in Lambrate (at a pedestrian distance from the Campus), Rogoredo or San Donato (in both of these cases, M3 + M2, see above). The urban fare is 1,5€.

How To Reach Us

BY PLANE // LINATE AIRPORT

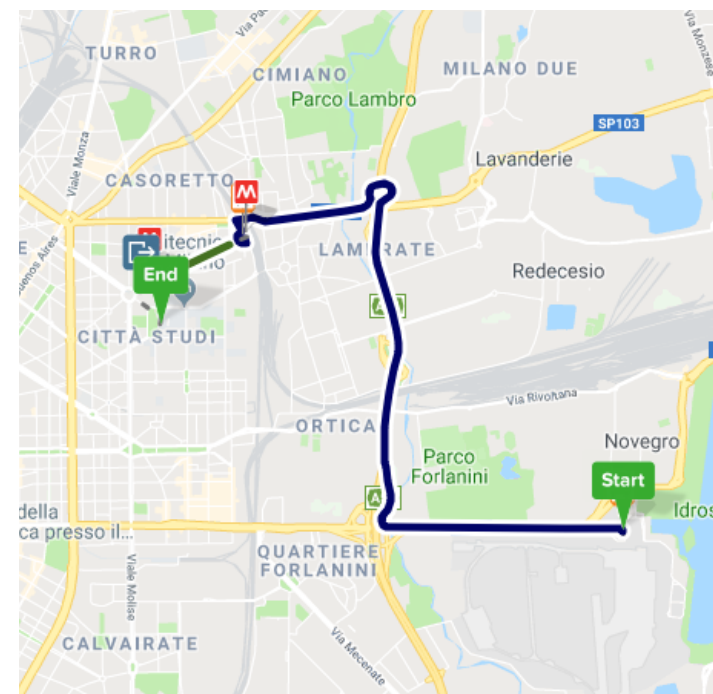
The taxi ride from Linate Airport is short, but it costs around 20 euros. It is possible to reach Politecnico with public transport in two different ways:

By local bus



a. Take the bus n. 73 towards the center and get off in Viale Campania-Viale Corsica stop, then take the line n. 91 from Viale Campania to Viale Romagna-Piazzale Piola M2. The trip costs 1,5€ (it is the urban ticket, but it is NOT sold on board).

By airport bus express

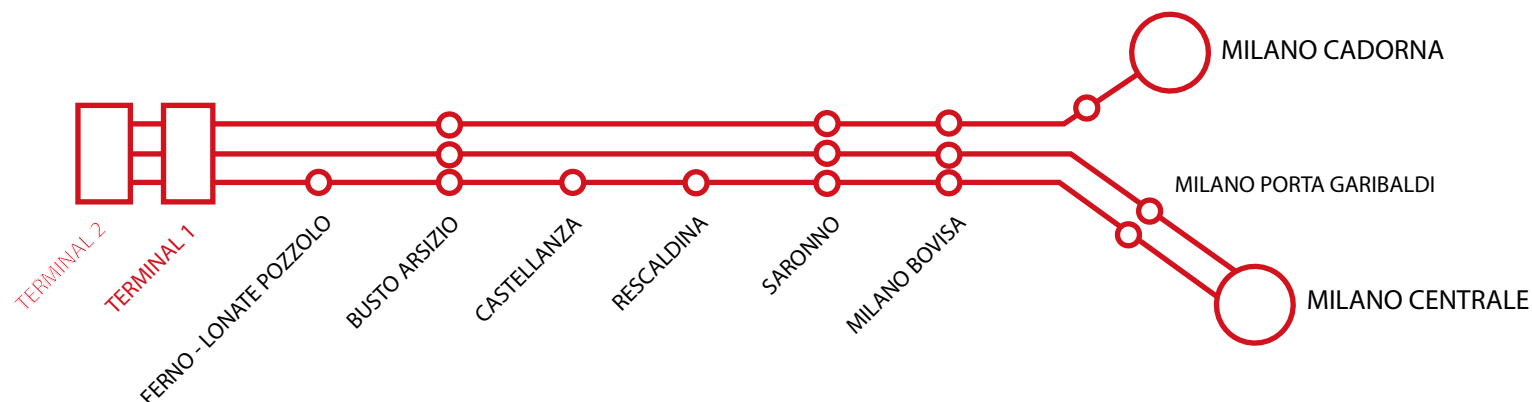


b. STARFLY line Linate-Milano / Lambrate-Milano Centrale, every 30'. By getting off in Lambrate station, it will be possible to reach the conference room on foot (10' walking) or with the metro (1 stop of the M2 line). The cost of the trip is 5€ (+1,5€ if you take the metro ticket).

How To Reach Us

BY PLANE // MALPENSA AND ORIO AL SERIO AIRPORTS

From Malpensa



The taxi journey takes at least 50 minutes (depending on the time and traffic), and costs 95€ (fixed price).

The Politecnico Leonardo Campus can be reached with the public transport from both T1 and T2 terminals in the same way (all services stop at both terminals):

- With any of the three bus operators (Autostradale, Malpensashuttle and Terravision - you can take the first that leaves) to Milano Centrale. From there, take the metro M2. The price is 8€, on-board purchase, + 1,5€ for the metro ticket).
- By train until Milan and then M2 line. There are two types of Malpensa Express trains, but both of them have a frequency of 30'. The trains directed towards Milan Cadorna are a little bit faster, but the subway route (always M2) is a little bit longer. So, the two alternatives are practically the same. However, if you take the train to Milano Centrale, get off at Milano Porta Garibaldi (the penultimate stop) because the journey is quicker and the interchange is more convenient. Price: one-way ticket 12€ + 1,5€ for the metro ticket. The double way ticket (only if purchased online on www.malpen-saexpress.it) costs 20€.

From Orio al Serio

The taxi journey takes from 40 to 60 minutes (depending on the time and traffic), and costs at least 50 euros.

With public transport the Politecnico can be reached:

- With any of the three bus operators (Autostradale, Orioshuttle and Terravision - you can take the first that leaves) to Milano Centrale. From there, take the metro M2. The price is 5€, on-board purchase, + 1,5€ for the metro ticket. Some trips make an intermediate stop at Cascina Gobba (you can ask the driver). In this case, it can be convenient to interchange with the metro because it's faster reaching Politecnico Campus. Cascina Gobba is inside the urban area, so the metro ticket is 1,5€.
- It is also possible to take the urban bus to Bergamo, then the train to Milan and, finally, the subway; however, the travel time is longer (or much longer) and there are two interchanges instead of one.

9:30 - 11:00

*Aula Auditorium***“Mobility and the city: policies for sustainability”****ITALIANO****Welcome address,** *Gabriele Pasqui*, Direttore DASTU**Introduction,** *Angela Stefania Bergantino*, Presidente SIET**The perspective of the cities,** moderator: *Ilaria Mariotti*, Politecnico di Milano- *Stefano Riazola*, Comune di Milano- *Roberta Frisoni*, Comune di Rimini- *Federico Manzoni*, Comune di Brescia

11:00 - 11:30

Coffee Break

11:30 - 12:30

“Mobility and the city: policies for sustainability” (cont)**ENGLISH****Introduction: Policy challenges of urban mobility,** *Paolo Beria*, Politecnico di Milano**Keynote speaker:** *Eric Verhoef*, Professor of Spatial Economics, VU Amsterdam

12:30 - 13:00

Speech in memory of Sandro Petriccione, *Fabio Carlucci* and *Marisa Valleri*

13:00 - 14:00

Lunch

14:00 - 16:00

Sustainable mobility*Aula Castigliano*

- Innovazione e regolazione negli ecosistemi di mobilità sostenibile, sfide e opportunità (**Gabriele GREA**)
- Geography of modal choice to access "Politecnico di Milano" university campuses (Alberto BERTOLIN, Paolo BERIA, **Samuel TOLENTINO**, Eleonora PEROTTO)
- L'approccio Living Lab per migliorare l'interoperabilità tra reti di trasporto locali, regionali e transnazionali (Florian KRESSLER, Tamara VLK, **Gabriele GREA**, Anja SEYFERT, Doris WIEDERWALD)
- Supply and demand analysis for green crowdshipping (**Valerio GATTA**, Edoardo MARCUCCI, Marialisa NIGRO, Simone SERAFINI)

Elderly Mobility (SS, org. Ilaria Mariotti)*Aula Beltrami*

- Stili e comportamenti di mobilità della popolazione anziana in Italia (**Carlo CARMINUCCI**)
- Accessibility for the elderly in urban areas: a set of variables (Carmela GARGIULO, **Floriana ZUCARO**, **Federica GAGLIONE**)
- Measuring spatial accessibility to public transport services for seniors in Milano, (**Fabio MANFREDINI**, Carmelo DI ROSA)
- A GIS-based procedure to evaluate the elderly accessibility to local transport network (Rocco PAPA, **Gerardo CARPENTIERI**, Carmen GUIDA)

16:00 - 16:30

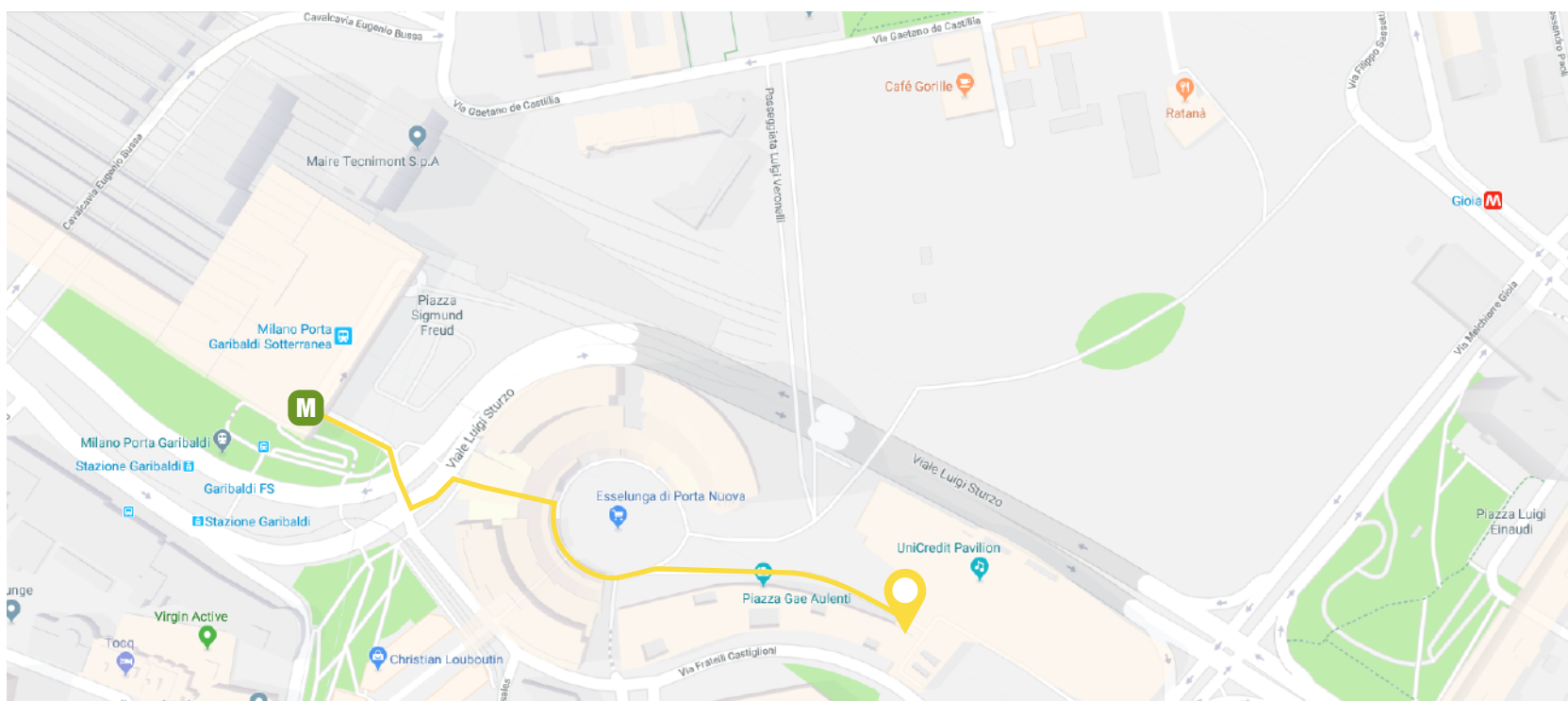
Happy hour



18:30 - 20:00

Technical visit in Porta Nuova, in collaboration with Associazione Interessi Metropolitani (AIM)

*The meeting time for the technical visit is at 18.30 in Piazza Gae Aulenti in front of GROM ice-cream shop.
The visit will start at 19.00.*



DIRECTION: take the M2 or M5 line to Garibaldi stop. Once you reach the surface, take the escalator on the other side of the street and located between the skyscrapers. Cross the pedestrian square until you reach the meeting point.

9:00 - 11:00

Internalisation policies*Aula Castiglione*

- La relazione tra dinamica ed esito finale nelle grassroots innovations: studio di tre casi nel settore dei trasporti (**Gerardo MARLETTO**, Cecile SILLIG)
- The role of point-to-point speed enforcement systems to prevent highway accidents: evidence from Italy (Flavio BAZZANA, **Mattia BORSA-TI**, Michele CASCARANO)
- The impact of the European Union Emission Trading System on the aviation sector (Angela Stefania BERGANTINO, **Luisa LOIACONO**)

Elderly Mobility (SS, org. I.Mariotti)*Aula Beltrami / (ENGLISH)*

- Mobility and Accessibility of the Ageing Society A Comprehensive Framework (**Mina AKHAVAN**, Giovanni VECCHIO)
- The tourist-religious mobility of the elderly people: the case of Pietrelcina (BN) (Romano FISTOLA, **Rosa Anna LA ROCCA**)
- Key Characteristics of Age-friendly Outdoor Mobility that Promote Quality of Social Life: A Review (**Fulvia PINTO**, Mina SUFINEYES-TANI)
- Smart Mobility and elderly people: can ICTs make the city more accessible for everybody? (**Rosaria BATTARRA**, Floriana ZUCARO)
- The mobility patterns of elderly in Milan neighbourhoods (**Ilaria MARIOTTI**, Aleid BROUWER, Marcello GELORMINI)

Transport & Tourism*Aula S1.3*

- Does the High-Speed/High Capacity Railways system in Italy increase the number of tourists and of overnights? (**Francesca PAGLIARA**, Filomena MAURIELLO)
- La legge sulle ferrovie turistiche: ruolo, obiettivi e proposte attuativi (**Rocco PARENTE**)
- I flussi di mobilità nel mercato superyacht: una proposta di studio ed una prima valutazione (Carlo MARCETTI, **Francesca PALMAS**)

11:00 - 11:30

Coffee Break

11:30 - 13:30

Sustainability in logistics*Aula Castiglione*

- Policy measures to reduce the external costs of freight transport (**Federico CAVALLARO**, Olga IRRANCA GALATI, Silvio NOCERA)
- Participation and stakeholders' engagement in SUMP and SULPs: the case of Rome (**Ila S. MALTESE**, Valerio GATTA, Edoardo MARCUCCI)
- Regional total factor logistics productivity: spatial approach to the Italian regions (**Lucio SIVIERO**, Salvatore SCUDERI)
- Consumer preferences towards online and offline grocery shopping channels in Norway (**Edoardo MARCUCCI**, Valerio GATTA)

Public expenditure and regulation*Aula Beltrami*

- The allocation of national public resources in the Italian local public bus transport sector (Alessandro AVENALI, Giuseppe CATALANO, **Tiziana D'ALFONSO**, Giorgio MATTEUCCI)
- The relations among financial and economic aspects in the evaluation of infrastructures (**Marco Guido PONTI**, Francesco RAMELLA)
- Do mega events impact transport infrastructure? And is it good for us? An economic analysis (**Jérôme MASSIANI**)

Mobility choices*Aula S1.3*

- Experimental evidence of passengers' choices for railway services and airport accessibility in Albania (**Angela Stefania BERGANTINO**, Mauro CAPURSO)
- Transport mode choice and commuting to university: a nested logit approach (**Daniele GRECHI**, Daniele CROTTI, Elena MAGGI)
- Domanda di trasporto ferroviario locale: stima di attrattività e dell'interscambio modale presso le stazioni di una nuova linea (Claudio BRENNNA, **Gabriele GREA**)

13:30 - 14:30

Lunch

14:30 - 16:30

Ports

Aula Castiglione

- Il futuro dei sistemi portuali nel Mediterraneo (**Pietro SPIRITO**)
- Port regulation in Europe: including dynamic elements within the terminal concession agreements (Claudio FERRARI, Pier Paolo PULIAFITO, **Alessio TEI**)
- L'evoluzione della normativa portuale e gli effetti sulla portualità delle regioni del Sud Italia (**Oliviero BACCELLI**)
- Porti, territorio e sviluppo locale: i possibili impatti economici del progetto Darsena Europa del Porto di Livorno (**Leonardo PICCINI**, Patrizia LATTARULO, Giuseppe GORI)
- Port Activity and Local Economic Development: What direction of the impacts? (Sá PORTO, Paulo COSTACURTA, **Claudio FERRARI**)

Agent Based Model (SS, org. E.Maggi-E.Vallino)

Aula Beltrami

- Experiments on urban transportation with the simulation framework "SimCo" Governance of sustainable transitions (**Johannes WEYER**, Fabian ADEL, Sebastian HOFFMANN)
- Economic Framework Analysis of Regional Commuting: a model (Simone LANDINI, Sylvie OCCELLI, **Alessandro SCIULLO**)
- Simulation of urban retailers' freight provision through an Agent-Based Model: the case of Turin (Elena VALLINO, **Elena MAGGI**, Elena BERETTA)

16:30 - 17:00

Coffee Break



17:00 - 18:30

SIET Members' Meeting

Aula S1.3

20:30 - ?

Social dinner, Osteria Del Binari, Via Tortona 3, Milan



09:00 - 11:00

Long-distance transport*Aula Castiglione*

- Rivoluzione tecnologica nei trasporti e assetto del territorio (**Marco Guido PONTI**)
- Flight cancellations and airline alliances: empirical evidence from Europe (**Marco ALDERIGHI**, Alberto GAGGERO)
- Long-distance rail prices in a competitive market (**Paolo BERIA**, Alberto BERTOLIN, Samuel TOLENTINO, Gabriele FILIPPINI)

Private mobility*Aula Beltrami*

- Evoluzioni demografiche e dinamiche comportamentali: potenziali effetti sulla domanda di mobilità privata (**Raffaele GALDI**)
- Pay cycles and gasoline price: when low-cost companies take advantage of the needy (Angela S. BERGANTINO, **Mario INTINI**, Jordi PERDIGUERO GARCIA)
- Spatial dependence, contextual factors and pricing behaviour of gas stations: evidence from the city of Rome (**Angela S. BERGANTINO**, Claudia CAPOZZA, Mario INTINI)
- Scelta tra un'auto elettrica ed una convenzionale: un modello probabilistico basato sulla meta-analisi (Mariangela SCORRANO, **Lucia ROTARIS**, Romeo DANIELIS, Marco GIAN SOLDATI)

11:00 - 11:30

Coffee Break

11:30 - 13:30

Books*Aula S1.3*

- Atlante dei Trasporti Italiani (forthcoming, Geo4Map) (Paolo BERIA)
- Le politiche per la mobilità urbana sostenibile. Le sfide del futuro (2017, Apes) (Edoardo MARCUCCI & Valerio GATTA)
- The economic role of transport infrastructure (forthcoming, Elsevier) (Anna BOTTASSO, Maurizio CONTI, Claudio FERRARI, Alessio TEI)
- I promessi soldi: l'impatto economico dei mega eventi in Italia da Torino 2006 a Milano 2015 (Jérôme MASSIANI)

13:30 - 14.30

Lunch

14:30 - 16:00

Aula Auditorium

“Travel Platforms in the long-distance market”

ITALIANO

Introduzione, *Paolo Beria*, Politecnico di Milano, laboratorio TRASPOL**Visibilità e semplicità: strumenti per una nuova esperienza di prenotazione**

- *Vladimir Klunic*, Distribusion **(ENGLISH)**
- *Marco Amico*, GoEuro
- *Marc Hoffmann*, Checkmybus **(ENGLISH)**

16:00 - 16:30

Coffee Break

16:30 - 18:30

“Travel Platforms in the long-distance market” (cont)

ITALIANO

Non solo “sulla strada”: un nuovo tipo di azienda di trasporto

- *Roberto Calise*, Flixbus
- *Alessandro Zocca*, GoGoBus
- *Andrea Saviane*, BlaBlaCar

Il punto di vista della regolazione: apertura o chiusura del mercato?

- Autorità di Regolazione dei Trasporti*
- *Alessandro Noce*, Autorità Garante per la Concorrenza ed il Mercato

** in attesa di conferma del nome*