UNIVERSITY OF BRESCIA

PEDESTRIANS, URBAN SPACES AND HEALTH

XXIV International Conference "Living and Walking in Cities"

12 - 13 September 2019

University of Brescia (Italy)

Full PROGRAM

With the patronage of:

Regione Lombardia

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ETSC European Transport Safety Council

DECADE OF ACTION FOR ROAD SAFETY 2011-2020

CeNSU Centro Nazionale Studi Urbanistici

ASSOCIAZIONE ITALIANA per l'INGEGNERIA del TRAFFICO e dei TRASPORTI AIIT

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Emeritus Conference Chairman: Roberto Busi - *Dipartimento DICATAM. University of Brescia (IT)*

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Antonio Avenoso - *European Transport Safety Council (BE)*
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Tim Pharoah - *Transport and urban planning consultant (UK)*
Paola Pucci - *Dipartimento di Architettura e Studi Urbani. Politecnico Milano (IT)*
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>> THURSDAY 12 SEPTEMBER 2019

9:30 **Registration** — Medicina, Building E15. Viale Europa, 11 – 1st Floor, Room B1

10:00 **Welcome address**

Introduction

Maurizio Tira, Chairman of the Conference

1st Plenary Session

Medicina, Building E15. Viale Europa, 11 - 1st Floor

10:45
Room B1

PEDESTRIANS, URBAN SPACES AND HEALTH

Chair: **Michela Tiboni,** University of Brescia (IT)

Keynote Speakers:	**Rodney Tolley,** Sustainable Transport Consultant (UK)	*Not so fast! Slowing down for a healthier wealthier and more sustainable city*
	Maurizio Tira, University of Brescia (IT)	*Walkable cities to enhance sustainable mobility*
	Marco Metra, University of Brescia (IT)	*Walking, physical fitness and cardiovascular health*

13.00 **Lunch**

Parallel Workshops

Medicina, Building E15. Viale Europa, 11 – 1st Floor

14:00-17:00
Room B4

A1 – Network and infrastructure to improve pedestrian mobility

Chair: **Giulio Maternini,** University of Brescia (IT)

Discussant: **Rodney Tolley,** Sustainable Transport Consultant (UK)

Paraskevopoulos Y. **Tsigdinos S.** **Andrakakou M.**	National Technical University of Athens (EL) Aalborg University (DK)	*"Cities on foot": Investigating human flows and their relationship with the urban environment in central areas. The case of an Athenian neighborhood*
Bakogiannis E. **Siti M.** **Kyriakidis C.** **Tsigdinos S.**	National Technical University of Athens (EL)	*Cross-walking; Investigating crosswalk characteristics and efficiency in central Athens*

Campisi T. **Basbas S.** **Canale A.** **Tesoriere G.** **Nikiforiadis A.** **Vaitsis P.**	University of Enna Kore (IT) Aristotle University of Thessaloniki (GR) University of Enna Kore (IT) Aristotle University of Thessaloniki (GR)	*Sensitivity analysis and the alternative optimization of the pedestrian level of service: some considerations applied to a pedestrian street in Greece*
Bahshwan R. **De Lotto R.** **Berizzi C.**	University of Pavia (IT)	*Urban spaces and mobility in Makkah city: ordinary organization and big events*
Pontrandolfi P. **Murgante B.** **Scorza F.** **Carbone R.** **Saganeiti L.**	University of Basilicata, Matera (IT) University of Basilicata, Potenza (IT)	*Increasing Urban Walkability: evidences from a participatory process based on spatial configuration analysis*
Ignaccolo M. **Inturri G.** **Calabrò G.** **Torrisi V.** **Giuffrida N.** **Le Pira M.**	University of Catania (IT)	*Auditing streets' pedestrian compatibility: a study of school sites' requalification*

14:00-17:00
Room B2

A2 – Sustainable and resilient Urban spaces

Chair: **Roberto De Lotto,** University of Pavia (IT)

Discussant: **Roberto Gerundo,** University of Salerno (IT)

Chondrogianni D. **Stephanedes Y. J.**	University of Patras, Patras, Greece (EL)	*Improving city resilience through demand and supply urban dynamics*
Candia S. **Pirlone F.** **Spadaro I.** **Taramasso A. C.**	University of Genoa (IT)	*Urban resilience and anthropic risks. The case of the Polcevera Valley in Genoa*
Sciaccaluga M. **Delponte I.**	University of Genoa (IT)	*Gamification for the enhancement of urban spaces: cases and tools*
Constantin D.L.	Bucharest University of Economic Studies, Romania (RO)	*Resilience in Planned Communities. The case of Milton Keynes*

De Lotto R. **Pinto F.**	University of Pavia (IT) Politecnico Milano (IT)	*Nature-Based Solutions for Urban Resilience*
Sari E. N. **Yilmaz B.G.** **Yilmaz S.**	Istanbul University (TR)	*Definition of Pedestrian Friendly Street Parameters and Evaluation in the Case of Erzurum City*
Frattini F. **Cappuccitti A.** **Lisi M.**	Sapienza University of Rome (IT)	*Well-being, City Percepition, Participation and Mobility Strategies. The sustainability of the contemporary city*

14:00-17:00 Room B3 — A3 – Walkability and Redevelopment

Chair: **Paola Pucci,** Politecnico Milano (IT)

Discussant: **Michela Tiboni,** University of Brescia (IT)

Mrak I.	University of Rijeka (HR)	*The walkability of city with difficult terrain – evaluation of barriers to use of spatial qualities for users and main guidelines for improvement*
Tiboni M. **Botticini F.**	University of Brescia (IT)	*Spillover effects of diffuse urban regeneration on pedestrian accessibility and walkability*
Bruni E. **Conticelli E.** **Tondelli S.**	University of Bologna (IT)	*Pedestrian mobility as urban regeneration strategy*
Congiu T. **Fais V.** **Plaisant A.**	University of Sassari (IT)	*Urban accessibility as an approach for the regeneration of urban peripheries. The experience of the Sant'Avendrace district in Cagliari*
Rossetti S. **Zazzi M.**	University of Parma (IT)	*In field assessment of existing pedestrian paths: a comprehensive approach toward walkable neighbourhoods*
Cañas C. **Attard M.** **Haklay M.**	University of Malta (MT) University College London (UK)	*A citizen science approach to assess the perceived walkable environment and identify elements that influence pedestrian experience at the University of Malta*
Ronzoni M. R.	University of Bergamo (IT)	*Freewheeling thoughts about public space*

18.00-20.00 **Walking activity: visit the Historical city centre of Brescia**

Participant gathering at metro Station Vittoria

20.30 **Social Dinner**

Cascina Parco Gallo – Dress code_ informal (Metro Station Bresciadue)

>> FRIDAY 13 SEPTEMBER 2019

2nd Plenary Session

Medicina, Building E15. Viale Europa, 11 - 1st Floor

09:30
Room B1

VULNERABLE ROAD USER SAFETY

Chair: **Antonio Avenoso,** European Transport Safety Council (BE)

Keynote Speakers:

David Davies, Parliamentary Advisory Council for Transport Safety (UK) — *Promoting active travel – taking a new look at safety*

Giuseppe Cantisani, Sapienza University of Rome (IT) — *Re-thinking the road infrastructure for new urban mobility needs*

Parallel Workshops

Medicina, Building E15. Viale Europa, 11 - 1st Floor

11:00-13:00
Room B4

B1 – Green infrastructures / Public transport

Chair: **Giulio Maternini,** University of Brescia (IT)

Discussant: **Rodney Tolley,** Sustainable Transport Consultant (UK)

Cioci S.	Sapienza University of Rome (IT)	*Green Infrastructures for urban and territorial regeneration. The sustainability of the contemporary city of Somerville*
Tran T. T. H.	University of Luxembourg (LU)	*Optimal stratification of discrete urban green areas in mono-centric cities*
Kappler L.	Sapienza University of Rome (IT)	*Boston Healthy city: the harborwalk experience*
Zhao X. **Papaix C.** **Ieromonachou P.**	University of Greenwich (UK)	*Exploring the links between transport and wellbeing: the 'boat' factor*
Carpentieri G. **Guida C.** **Faga L.**	University of Naples Federico II, Naples, (IT)	*The Node-Place model to improve walkability in railway station catchment areas to promote healthy city environments. An application to the municipality of Cercola (NA)*
Ventura P. **Carra M.**	University of Parma (IT)	*HSR Stations' urban redevelopments as an impulse for pedestrian mobility. An evaluation model for a comparative perspective*

11:00-13:00
Room B2

B2 – Sustainable, safe and resilient Urban spaces

Chair: **Roberto De Lotto,** University of Pavia (IT)
Discussant: **Roberto Gerundo,** University of Salerno (IT)

De Lotto R. **Pietra C.** **Venco E. M.**	University of Pavia (IT)	*Open source data and tools for Disaster Risk Management: definition of Urban Exposure Index*
Bedini M. A. **Bronzini F.** **Marinelli G.**	Università Politecnica delle Marche (IT)	*Strategies able to improve the level of safety and protection from seismic and hydro-geo-morphological risks*
Pilotti M. **Milanesi L.**	University of Brescia (IT)	*Flood vulnerability functions for people and vehicles in urban areas*
Gerundo R. **Grimaldi M.** **Marra A.**	University of Salerno (IT)	*The reduction of the population's residential exposure to radon risk in the municipal urban plan*
Turrini E. **Carnevale C.** **De Angelis E.** **Volta M.**	University of Brescia (IT)	*Assessing the economic and health impact of soft mobility. The Lombardy Region Case Study*

11:00-13:00
Room B3

B3 –Pleasant and attractive Public spaces

Chair: **Ivan Blecic,** University of Cagliari (IT)
Discussant: **Enrique Calderon,** The Technical University of Madrid (ES)

Tommasoli A. **Tommasoli L.**	European University of Rome (IT) University of Rome (IT)	*The Public Space through an Aesthetic Ethics*
Beretić N. **Congiu T.** **Plaisant A.**	University of Sassari (IT)	*Imageability of Geo-Mining Heritage. Case study of Nebida settlement, Geo-Mining park Sardinia (Italy)*
Massaro A. **Rotondo F.**	Comune di Taranto (IT)	*Pedestrian Healthcare and Beauty: Free-Accessibility Design Plan in Taranto (IT)*

	Ottoz E. **Pavese P.** **Sella L.**	University of Turin (IT)	*Residential prices in movida: up or down?*

13:00 Lunch

14:00-16:30 Room B1

C1 – Soft mobility and perception of urban landscape

Chair: **Paolo Ventura,** University of Parma (IT)
Discussant: **Enrique Calderon,** The Technical University of Madrid (ES)

Blecic I. **Trunfio G. A.**	University of Cagliari (IT) University of Sassari (IT)	*Machine learning for mass evaluation of urban walkability*
Cittadino A. **Garnero G.** **Guerreschi P.** **La Riccia L.** **Fiermonte F.** **Eynard E.** **Melis G.**	University of Turin (IT) Politecnico di Torino (IT) LINKS Foundation (IT)	*Improving the walkability for next-generation cities and territories, through the reuse of available data and raster analyses*
Van Soest D. **Tight M.** **Rogers C.**	University of Birmingham (UK)	*Investigating the importance of walk stages as a factor in the choice between car and public transport in urban areas*
Tononi M. **Pietta A.**	Sapienza University of Rome (IT) IRIS, Interdisciplinary Research Institute on Sustainability	*Moving through the Quarries Park*

14:00-16:30 Room B2

C2 – Pedestrian Road Safety

Chair: **Giulio Maternini,** University of Brescia (IT)
Discussant: **Antonio Avenoso,** European Transport Safety Council (BE)

Maternini G. **Bonera M.** **Speranza M. G.** **Archetti C.** **Martinello M.**	University of Brescia (IT)	*Methodology for data processing and solutions for road accidents that involve vulnerable road users. The case of Brescia.*
Ištoka-Otković I. **Deluka-Tibljaš A.** **Šurdonja S.** **Campisi T.** **Canale A.** **Tesoriere G.**	University Josip Jurja Strossmayera Osijek(HR) University of Rijeka (HR) University of Enna KORE(IT)	*Analyses of factors influencing children behaviour while crossing the conflict zones at urban intersections*

Vieira Gomes S. **Roque C.** **Cardoso J. L.**	Laboratory for Civil Engineering, Lisboa (PT)	*A hybrid approach for prioritising road safety interventions in urban areas*
Cottrill C. **Gargiulo C.** **Zucaro F.** **Gaglione F.**	University of Aberdeen (UK) University of Naples Federico II (IT)	*Defining the characteristics of walking paths to promote an active ageing*
Ortolani C.	Sapienza University of Rome (IT)	*School Mobility Plan as a participatory tool to reduce urban motorized traffic*
Matsuura T.	Jissen Women's University, (JP)	*Effects of elderly people's walking difficulty on concerns and anxiety while walking on roads*

14:00-16:30
Room B3

C3 – Healthy Cities for All

Chair: **Claudio Orizio,** University of Brescia (IT)
Discussant: **Elena Marchigiani,** University of Trieste (IT)

Anwar F.	University of Brescia (IT)	*Shared Space and Visually Impaired Persons*
Cudicio A. **Girardello A.** **Arenghi A.** **Legnani G.** **Serpelloni M.** **Negro F.** **Orizio C.**	University of Brescia (IT)	*Topographical and physiological data collection for urban handbike tracks design*
Marchigiani E. **Garofolo I.** **Chiarelli B.**	University of Trieste (IT)	*PROACTIVE CITY. The City as a Gym for Active Design*
Maggi E. **Pantelaki E.** **Crotti D.**	University of Insubria (IT)	*Elderly mobility under the microscope: a multi-disciplinary systematic review*
Dorato E.	University of Ferrara (IT)	*Participatory experiences supporting more healthy and active cities.The research-intervention "Anziani&Città"*

14:00-16:30 Room B4

C4 – Promoting Healthy Cities

Chair: **Romano Fistola,** University of Sannio (IT)
Discussant: **Michèle Pezzagno,** University of Brescia (IT)

Congiu T. **Talu V.** **Tola G.**	University of Sassari (IT)	*Autism friendly cities: a first set of spatial requirements to promote the urban capabilities of people with autism spectrum disorder*
Fistola R. **Gallo M.** **La Rocca R. A.** **Battarra R.**	University of Sannio (IT) University of Naples Federico II, Naples, (IT) Institute for studies on the Mediterranean, CNR - Napoli (IT)	*The missing path: the promiscuous bicycle lane in urban areas*
Congiu T. **Plaisant A.** **Unali S.**	University of Sassari (IT)	*Peripheral problems and social energies: an operational framework for healthy regeneration practices*

16:30-18.00 Room B1

Plenary Session

Medicina, Building E15. Viale Europa, 11 - 1st Floor

Evidence from parallel workshops and Closing remarks

A word from the emeritous Chairman: **Roberto Busi,** University of Brescia (IT)

Chair: Workshop discussants: **Maurizio Tira,** University of Brescia (IT)

Antonio Avenoso, European Transport Safety Council (BE)
Enrique Calderon, The Technical University of Madrid (ES)
Roberto Gerundo, University of Salerno (IT)
Elena Marchigiani, University of Trieste(IT)
Giulio Maternini, University of Brescia (IT)
Michèle Pezzagno, University of Brescia (IT)
Michela Tiboni, University of Brescia (IT)