



ScienceDirect

Transportation Research Procedia 45 (2020) 1-4



TIS Roma 2019 Conference Proceedings

ACI - Automobile Club d'Italia Building Rome, Italy - September 23-24, 2019

Guest editors

Matteo Ignaccolo

Chairman of the Conference AIIT President Full Professor of Transport Planning, University of Catania

Michela Tiboni

Scientific Committee Coordinator of the Conference, AIIT Director of Studies and Research Center, Full Professor of Town and Regional Planning, University of Brescia

Editorial

The objective of AIIT 2nd International Congress on Transport Infrastructure and Systems in a changing world (TIS ROMA 2019) was to promote the knowledge of new trends of development of mobility systems and transport infrastructures "towards a more sustainable, reliable and smarter mobility". The Congress aimed at providing a forum for discussion, interactions and exchange among researchers, scientists and engineers whose fields of interest concern transport and infrastructure engineering. It was organized by AIIT, the Italian Association for Traffic and Transport Engineering, and hosted by ACI, Automobile Club d'Italia. AIIT was established in Padua in 1957 and is a point of reference and meeting for experts and all people interested in mobility, of both passengers and freight, by all modes: road, rail, air and sea.

TIS Roma 2019 focused on the following areas: Air Transport, Maritime Transport, Railway transport, Public Transport Systems, Transport Policy, Sustainable Mobility Planning. Transport Infrastructure management and Reliability, Traffic Management Models and Logistics, Automotive Innovation Impacts, Human Factors and Road Design, Intelligent Transport Systems, Road Safety Managemen, Vulnerable Road Users Safety, Road Safety Assessment and Measures, Road Safety and Driving Behaviour, Road Geometric design, Pavement design, Road Materials and Innovation, BIM and Infrastructure design.

The congress opened with a plenary session and the lecture about Digitalization and the Future of Mobility by the Keynote Speaker Christopher Zegras, Professor of Mobility and Urban Planning at MIT Boston (USA), and the Discussant Maurizio Tira, President of the Italian Society of Urban Planners (SIU), Rector of the University of Brescia, Full Professor of Town and Regional Planning. During the two days of the congress, 135 papers were presented in 24 parallel sessions. Two special sessions were organized in collaboraton with the Special Interest Group SIG G3 on Urban Transport Planning and Policy of the World Conference on Transport Research Society (WCTRS), coordinated by Prof. Stephen G. Ison and Prof. Maria Attard, SIG G3 co-chairs, and Michela Le Pira, AIIT member. A technical visit at ACI Vallelunga Safe Driving Centre, organized by Enrico Pagliari of ACI, took place after the congress at ACI Vallelunga safe driving training centre.

New emerging trends were discussed both during the plenary session and the parallel ones, related to the role of new technologies for the future of transport. In this context, innovative concepts like Mobility as a Service (MaaS), shared mobility, hybrid/electric vehicles, driverless vehicles and the role of digitalization (ITS, big data) should be appropriately investigated and conceived to have the desired impact "towards a more sustainable, reliable and smarter mobility". The conference was successful in stimulating the debate in this drection and offering opportunity for collaboration among participants.

The success of a scientific conference depends primarily on its participants, therefore, we would like to take this opportunity and express our gratitude to all contributors for the papers published in the conference proceedings and their presentations at the event. We would also like to thank the chairs of the sessions, the reviewers, the scientific and organizing committees for their efforts and hard work in making sure that the quality of the conference remains at high level.

TIS 2019 in numbers

135 papers
24 parallel sessions
about 400 authors
33 nationalities
182 participants (23.09.2019)
159 participants (24.09.2019)
72 Italian engineers interested in professional training
35 people registered for technical visit

Conference Chairpersons

Matteo Ignaccolo, Chairman Michela Tiboni, Scientific Committee Coordinator

Scientific Committee

Maria Attard. University of Malta. Malta Antonio Avenoso, European Transport Safety Council, Belgium Orazio Baglieri, Polytechnic of Torino, Italy Marco Bassani, Polytechnic of Torino, Italy Ana Maria César Bastos Silva, University of Coimbra, Portugal Shlomo Bekhor, Technion - Haifa, Israel Yodan Rofè Ben Gurion, University of the Negev, Israel Angela Stefania Bergantino, University of Bari, Italy Giacomo Borruso, University of Trieste Werner Brilon, Ruhr-University Bochum, Germany Paolo Budetta, Federico II University of Napoli, Italy Roberto Busi. Università degli Studi di Brescia Giuseppe Cantisani, Sapienza University of Roma, Italy Francesco Saverio Capaldo, University of Naples, Italy Stefano Carrese, University of Roma Tre, Italy Armando Cartenì, Federtico II University of Napoli, Italy Maria Castro Malpica. Technical University of Madrid. Spain Olja Čokorilo, University of Belgrade, Serbia Pasquale Colonna, Polytechnic of Bari, Italy Gonçalo Correia, TU Delft, Netherlands Kevin Cullinane, University of Gothenburg, Sweden Essam Dabbour, Abu Dhabi University, United Arab Emirates Vicent de Esteban Chapapría, University of Valencia, Spain Gaetano Fusco, Sapienza University of Roma, Italy Mario De Luca, Federico II University of Napoli, Italy Ilaria Delponte, Università digenova, Italy Francesco Deflorio, Polytechnic of Turin Miguel Angel del Val Melus, Tech, University of Madrid, Spain Paola Di Mascio, Sapienza University of Roma, Italy Nicolau Dionísio Fares Gualda, University of São Paulo, Brasil Paolo Fadda, Università di Cagliari Gianfranco Fancello, University of Cagliari Demetrio Festa, University of Calabria Rocco Giordano, Director of Giordano Publisher Felice Giuliani, University of Parma, Italy Hercules Haralambides, Erasmus University Rotterdam, Netherlands

Netherlands
Imine Hocine, Inst. of Science and Tech. for Transport, France
Felix Huber, Wuppertal University, Germany
Matteo Ignaccolo, University of Catania, Italy
Paolo Intini, Polytechnic University of Bari, Italy
Giuseppe Inturri, University of Catania, Italy
Paolo La Greca, University of Catania, Italy
Claudio Lantieri, University of Bologna, Italy

Davide Lo Presti, The University of Nottingham, UK **Giuseppe Loprencipe**, Sapienza University of Roma, Italy

Elena Maggi, University of Insubria, Italy Giovanni Mantovani, Traffic and Transport engineer, Italy

Edoardo Marcucci, University of Roma Tre, Italy Francesco Martinico, University of Catania Giulio Maternini, University of Brescia, Italy Marco Mazzarino, Università Iuav di Venezia, Italy Mónica García Melón, Universitat Politècnica de València

Laura Moretti, Sapienza University of Roma, Italy Michéle Pezzagno, University of Brescia Graham Parkhurst, University of the West of England Bristol

Marco Pasetto, University of Padova, Italy Luca Persia, Sapienza University of Roma, Italy Hrvoje Pilko, University of Zagreb, Croatia Ioannis Politis, Aristotle University of Thessaloniki, Greece

Carlo Prato, The University of Queensland, Australia Cesar Queiroz, former World Bank Highways Adviser, USA

Stefano Ricci, Sapienza University of Roma, Italy Francesca Russo, Federico II University of Napoli, Italy Giuseppe Salvo, University of Palermo, Italy Piotr Sawicki, Poznan University of Technology, Poland Anton Sysoev, Lipetsk State Technical University, Russia Andrea Simone, University of Bologna, Italy Julio Soria-Lara, Polytechnic University of Madrid, Spain

Giovanni Tesoriere, University of Enna Unikore, Italy Michela Tiboni, University of Brescia, Italy Susan L. Tighe, University of Waterloo, Canada Maurizio Tira, University of Brescia, Italy Tomaz Tollazzi, University of Maribor, Slovenia Elen Twrdy, University of Ljubljana, Slovenia András Várhelyi, Lund University, Sweden David Vetturi, University of Brescia, Italy Valeria Vignali, University of Bologna, Italy Fred Wegman, Delft University of Technology, Netherlands

Stefano Zampino, Road and Transport Engineer, Italy

Organizing Committee

Enrico Pagliari, Coordinator
Stefania Balestrieri
Sonia Briglia
Angela Carboni
Maurizio Difronzo
Nadia Giuffrida
Ugo Giunta
Michela Le Pira
Ettore Nardi
Maurizio Rotondo
Alessandro Ruperto
Rocco Sorropago
Vincenza Torrisi
Stefano Zampino

More information about the conference and AIIT can be found at:

https://tisroma.aiit.it/ https://www.aiit.it/

The Guest Editors

Matteo Ignaccolo Michela Tiboni

All papers were peer-reviewed by at least two reviewers.