

PERSONAL INFORMATION

ANDREA SIMONE



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Sex M | Date of birth 27/08/1969 | Nationality ITALIAN

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 07-09-2020

Full Professor (fixed-term)

University of Bologna, Department of Civil, Chemical, Environmental, and Materials Engineering (<https://dicam.unibo.it/>) (Italy)

Research: focuses on topics related to road asset management, road maintenance, road safety, sustainable mobility, driver behaviour, smart technologies for road infrastructures.

Author or co-author of more than 100 publication and he has more than 70 scientific publications in international journals with 1655 citations. (<https://www.scopus.com/authid/detail.uri?authorId=54791417100>).

Has participated as a **speaker** at 20 international events, organized by associations of recognized scientific validity (RILEM, AIPCR/PIARC), as a speaker at 30 national events, organized by national associations (SIIV, AIIT) and has **organized and co-organized** 30 national scientific events in which he moderated the event with introductions dedicated to the topics of the conference and round tables for discussion.

Didactical: Awarding of teaching assignments for the Civil Engineering international degree (ENG) by University of Bologna for the courses of Smart Cities Civil Infrastructures", "Road Infrastructures sustainable and safe management", "Road Safety Engineering". Also had teaching assignments for Civil Engineering course (ITA) for the courses "Advanced Road, Railway and airport construction with laboratory" and "Road infrastructure and transport laboratory M".

Second level Master in "Sustainable and integrated Mobility in Urban Regions" (edition 1,2,3,4 from 2019 to 2023). Role: Director, professor and member of the scientific council.

2019 - today: member of the PhD board in "Automotive for Intelligent Mobility", University of Bologna, Italy. (coordinator prof. Nicolò Cavina).

Activity Sector Research and Didactical

Academic discipline: ICAR/04 Roads, Railways and Airports

From 27-12-2004 to 06-09-2020

Associate Professor (fixed-term)

University of Bologna, Department of Civil, Chemical, Environmental, and Materials Engineering (<https://dicam.unibo.it/>) (Italy)

- Main Activity: Influence of maintenance on the user-vehicle-road interaction in relation to road safety

Academic discipline: ICAR/04 Roads, Railways and Airports

From 01-07-2000 to 26-12-2004

Researcher

University of Bologna, Department of Civil, Chemical, Environmental, and Materials Engineering (<https://dicam.unibo.it/>) (Italy)

- Main Activity: Characterization of bituminous binders containing PFU rubber and study of equipment for monitoring and assessing the degradation of road pavements
- Main Activity: Performance analysis of the functional and structural characteristics of a road pavement

EDUCATION AND TRAINING

From 1996 to 1999

PhD in Transport Engineering (08 / A3)

University of Bologna, DISTART Department (Italy)

- Topic: Road safety analysis using information systems and fuzzy algorithms

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (Level B2)

Job-related skills

- Coordinator of the “International Associated Laboratory” (IAL) NextRIM (Next generation Road Infrastructure & Mobility) between the University of Bologna and the Université Gustave Eiffel of Paris <https://nextrim.univ-gustave-eiffel.fr/>.
- Chair of the International Technical Committee 2.1 Roads for Accessibility and Mobility in Urban and Periurban Areas of the World Road Association PIARC <https://www.piarc.org/en/PIARC-Association-Roads-and-Road-Transportation/PIARC-Technical-Committees/Strategic-Theme-Mobility/Technical-Committee-Roads-Accessibility-Mobility-Urban-Periurban-Areas>.
- Director of the II level International Professional Master "Sustainable and Integrated Mobility in Urban Regions" of the University of Bologna - <https://master.unibo.it/sustainable-and-integrated-mobility-in-urban-regions/en>
- Road Laboratory (LAS) of the Department of Civil, Chemical, Environmental and Materials Engineering (DICAM) of the University of Bologna, Member of the research group. <https://dicam.unibo.it/en/research/research-laboratories>
- CIRI Building and Construction of the University of Bologna (<https://centri.unibo.it/edilizia-costruzioni/it/settore>), Member of the research group
- Coordinator for the University of Bologna of the research group of Spoke 7 “Cooperative Connected and Automated Mobility (CCAM) and Smart Infrastructures” - MOST – Sustainable Mobility National Research Center <https://www.centronazionalemost.it/eg/>.
- Coordinator for the University of Bologna of the research group of Spoke 4 “Smart mobility, housing and energy solutions” - Project ECOSISTER “Ecosystem for Sustainable Transition in Emilia-Romagna” <https://ecosister.it/>

ADDITIONAL INFORMATION

Honours and Awards

Publications

Recipient of 2 Best Paper Awards: (MAIREPAV/ 2012).

Total number of publications in peer review Journals: 70. Total number of citations:1655
H index: 26 (<https://www.scopus.com/authid/detail.uri?authorId=54791417100>).

1. Bitelli, G., Simone, A., Girardi, F., Lantieri, C. Laser scanning on road pavements: A new approach for characterizing surface texture (2012) Sensors (Switzerland), 12 (7), pp. 9110-9128. Cited 74 times. ID SCOPUS =2-s2.0-84864339042 DOI: 10.3390/s120709110
2. Lantieri, C., Lamperti, R., Simone, A., Costa, M., Vignali, V., Sangiorgi, C., Dondi, G. Gateway design assessment in the transition from high to low speed areas (2015) Transportation Research Part F: Traffic Psychology and Behaviour, 34, art. no. 843, pp. 41-53. Cited 29 times. Scopus ID: 2-s2.0-84938908090 DOI: 10.1016/j.trf.2015.07.017
3. Vignali, V., Cuppi, F., Acerra, E., Bichicchi, A., Lantieri, C., Simone, A., Costa, M. Effects of median refuge island and flashing vertical sign on conspicuity and safety of unsignalized crosswalks (2019) Transportation Research Part F: Traffic Psychology and Behaviour, 60, pp. 427-439. Cited 25 times. Scopus ID: 2-s2.0-5056573944 DOI: 10.1016/j.trf.2018.10.033
4. Costa, M., Bonetti, L., Vignali, V., Lantieri, C., Simone, A. The role of peripheral vision in vertical road sign identification and discrimination (2018) Ergonomics, 61 (12), pp. 1619-1634. Cited 14 times. Scopus ID=2-s2.085056297306 & DOI: 10.1080/00140139.2018.1508756
5. Di Flumeri, G., Borghini, G., Aricò, P., Sciaraffa, N., Lanzi, P., Pozzi, S., Vignali, V., Lantieri, C., Bichicchi, A., Simone, A., Babiloni, F. EEG-based mental workload neurometric to evaluate the impact of different traffic and road conditions in real driving settings (2018) Frontiers in Human Neuroscience, 12, art. no. 509. Cited 50 times (Scopus). Scopus id=2-s2.0-5059003210 DOI: 10.3389/fnhum.2018.00509.