Alessandro Traspadini

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Date of birth: 28/08/1997 Nationality: Italian Mother tongue(s): Italian

EDUCATION

Graduate studies

Ph.D. Student in Information Engineering

University of Padova (UNIPD), Italy

Start (2022, 10) – On going

Main research topics: Non-Terrestrial networks, 6G wireless networks, Vehicular communications, mmWave communications.

Supervisor: Prof. Michele Zorzi

Graduated in "ICT for Internet and Multimedia" - Telecommunications

University of Padova (UNIPD), Italy

Start (2019, 09) – End (2021, 08)

Final Grade: 110/110 cum laude

Final Degree Project: "Scheduling for MU-MIMO using hybrid beamforming based on DPC"

Supervisors: Prof. Hsuan-Jung Su and Prof. Michele Zorzi

Grade Point Average: 29.6 (over 30)

Master of science in the Graduate Institute of Communication Engineering – Double Degree

National Taiwan University (NTU), Taipei (Taiwan)

Start (2020, 09) – End (2021, 09)

Final Degree Project: "Scheduling for MU-MIMO using hybrid beamforming based on DPC"

Supervisor: Prof. Hsuan-Jung Su and Prof. Michele Zorzi

Grade Point Average: 4 (over 4)

Undergraduate studies

First level degree in "Information Engineering"

University of Padova (UNIPD), Italy

Start (2016, 09) – End (2019, 09)

Final Grade: 105 (over 110)

Final Degree Project: Control of a self-balancing robot

Supervisor: Prof. Mauro Bisiacco

Grade Point Average: 26.5 (over 30)

High School

High School Diploma in Electronics I.I.S "A. Meucci", Cittadella – Padova (Italy)

Start (2011, 09) – End (2016, 07)

Grade: 100 (over 100)

RELEVANT PROFESSIONAL EXPERIENCES

Postgraduate researcher at the Department of Information Engineering of the University of Padova

Start (2021, 10) – End (2022, 09)

Main research topics: Non-Terrestrial networks, 6G wireless networks, mmWave communications.

Teaching assistant at the Department of Information Engineering of the University of Padova

Start (2022, 03) – End (2022,06)

Course: Reti di calcolatori 1

Teacher: Prof. Andrea Zanella

PERSONAL SKILLS

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills

Advanced: C++, Python, Windows, Linux OS

Intermediate: MATLAB, MS Office

PUBLICATIONS

- A. Traspadini, M. Giordani, G. Giambene and M. Zorzi, "Real-Time HAP-Assisted Vehicular Edge Computing for Rural Areas," in IEEE Wireless Communications Letters, vol. 12, no. 4, pp. 674-678, April 2023.

- D. Wang, A. Traspadini, M. Giordani, M. -S. Alouini and M. Zorzi, "On the Performance of Non-Terrestrial Networks to Support the Internet of Things," *2022 56th Asilomar Conference on Signals, Systems, and Computers*, Nov. 2022.

- A. Traspadini, M. Giordani, M. Zorzi "UAV/HAP-Assisted Vehicular Edge Computing in 6G: Where and What to Offload?" Joint European Conference on Networks and Communications 6G Summit (EuCNC/6G Summit), Jun. 2022.

- P. Testolina, M. Lecci, A. Traspadini, M. Zorzi "An Open Framework to Model Diffraction by Dynamic Blockers in Millimeter Wave Simulations," IEEE Mediterranean Communication and Computer Networking Conference (MedComNet), Jun. 2022.