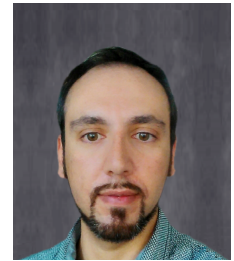


D. Cavallo
Assistant Professor
Tera-Hertz Sensing



EXPERTISE

- Applied electromagnetics, antennas, microwave and terahertz components

RESEARCH INTERESTS

- Terahertz on-chip antennas, integrated antennas for car radars and ultra-fast wireless communication, phased arrays, wideband connected array antennas, theory and design of artificial dielectrics, dielectric lens antennas

WORK EXPERIENCE

- 2019 - present **Assistant Professor (Tenured)**
Delft University of Technology, Delft, Netherlands
- 2015 - 2018 **Assistant Professor (Tenure Track)**
Delft University of Technology, Delft, Netherlands
- 2015 (Mar-May) **Visiting researcher**
Chalmers University of Technology, Gothenburg, Sweden
- 2011 - 2015 **Postdoc**
Delft University of Technology, Delft, Netherlands
- 2007 - 2011 **Ph.D. candidate**
Eindhoven University of Technology, Eindhoven, Netherlands
- 2007 - 2011 **Antenna researcher**
TNO Defence, Security and Safety, The Hague, Netherlands

EDUCATION

- 2007 - 2011 **Ph.D. in Electrical Engineering (Cum laude)**
Eindhoven University of Technology, Eindhoven, Netherlands
- 2004 - 2007 **M.Sc. in Telecommunication Engineering (Summa cum laude)**
University of Sannio, Benevento, Italy
- 2001 - 2004 **B.Sc. in Telecommunication Engineering (Cum laude)**
University of Sannio, Benevento, Italy
- 1996 - 2001 **Scientific high school degree (Score: 100/100)**
Scientific Lyceum G. Rummo, Benevento, Italy

OTHER POSITIONS

- 2016 - present **Associate Editor** of IEEE TRANSACTION ON ANTENNAS AND PROPAGATION- 2018 - present **Coordinator** of the Master Track **Wireless Communication and Sensing**- 2019 - present **Associate Editor** of IEEE TRANSACTION ON ANTENNAS AND PROPAGATION- 2019 - present **Management Committee Member** of the COST Action "higher-symmetric engineered artificial materials"

GRANTS/AWARDS/RECOGNITIONS

- NWO-Veni personal grant (250 k€), "Efficient On-Chip Antennas for Terahertz Applications" (2015-2018).
- ERC Proof of Concept Grant (150 k€), "AD-HOC: Artificial Dielectrics for High-frequency On-Chip antennas" (2016)
- Ph.D. degree awarded with "cum laude" distinction (the top 5 % PhD graduates are eligible).
- Nominee for the TU/e Doctoral Project Award 2012 as the "Best Doctoral Project". • "Best Paper Award in Electromagnetics and Antenna Theory" at the 11th European Conference on Antennas and Propagation, Paris, France, March 19-24, 2017.
- "Best Innovative Paper Prize" at the 30th ESA Workshop on Antennas for Earth Observation, Science, Telecommunication and Navigation Space Missions, Noordwijk, The

Netherlands, May 27-30, 2008.

- Promotor of the Ph.D. student receiving the Honorable Mention at the Student Paper Competition of the IEEE Antennas and Propagation Society International Symposium, Atlanta, Georgia, USA, Jul. 7-12, 2019.
- Supervisor of the student receiving the “Best student paper award” at the 7th European Conference on Antennas and Propagation, Gothenburg, Sweden, April 8-12, 2013.
- Co-recipient of the “Best Poster Award” at the Annual Netherlands Antenna Research Framework (NARF) Workshop.
- Supervisor of the student receiving the “Special Mention for Excellent Presentation” at the 9th European Conference on Antennas and Propagation, Lisbon, Portugal, April 13-18, 2015.
- Co-promotor of the student receiving the “Else Kooi Prijs” 2016: annual award for young researchers in the field of applied semiconductor research conducted in the Netherlands. The award comes with a prize of 5000 euros.
- Top downloaded article of the IEEE Transactions on Terahertz Science and Technology from IEEE Xplore (March-May 2015).

PUBLICATIONS

Journals Papers Seminars	Conference Papers	Invited Conf. Papers	Patents	Invited
26	109	23	2	4

Citation indexes	Google Scholar	Scopus
Number of Citations	713	538
h-index	15	13
i10-index	23	17

TEACHING

- Courses taught at Master and Bachelor level: Spectral Domain Methods in Electromagnetics (responsible instructor), Guided and wireless EM transfer (responsible instructor), Guiding and radiating structures (responsible instructor), Quasi Optics (lecturer), Advanced Electromagnetics (lecturer), Electromagnetics (lecturer), Sub-mm and terahertz physics and applications (lecturer)
- Courses taught at PhD level: Arrays and Reflectarrays (European School of Antennas, Sept. 3-7 2018, Louvain-La-Neuve, Belgium), Antennas Emerging Technologies for Satellite Telecommunication (European School of Antennas, Nov. 18-23 2019, Rennes, France)