

● EDUCATION AND TRAINING

31/10/2013 – 22/04/2018

PH.D. DEGREE IN INFORMATION AND COMMUNICATION TECHNOLOGY University of Trento - Information and Communication Technology Doctoral School – Cycle XXIX

31/01/2010 – 30/10/2012

MASTER DEGREE IN TELECOMMUNICATION ENGINEERING University of Trento

31/08/2005 – 27/11/2009

BACHELOR DEGREE IN TELECOMMUNICATION ENGINEERING University of Padova

● WORK EXPERIENCE

15/07/2020 – CURRENT

ASSISTANT PROFESSOR UNIVERSITY OF TRENTO

D.R. n. 214 20-03-2020, Settore Concorsuale 09/F1 (Campi Elettromagnetici).

01/11/2012 – CURRENT

MEMBER OF THE ELEDIA@UNITN

The research activity of Dr. Nicola Anselmi is mainly concerned with (a) the development of advanced methodologies for the design and the analysis of unconventional antenna arrays with electronic scanning for advanced sensing and communication systems and (b) the theoretical study and the numerical implementation of innovative methodologies for the solution of inverse problems within the framework of electromagnetic diagnostics.

19/11/2019 – 14/07/2020

POSTDOCTORAL RESEARCHER (ASSEGNISTA DI RICERCA) UNIVERSITY OF TRENTO

SC: 09/F1 “Campi Elettromagnetici”; SSD: ING-INF/02 “Campi Elettromagnetici”. Title of the research activity: “Tecniche innovative per lo studio e sviluppo di antenne a schiera clustered non convenzionali per applicazioni in ambito radar e di comunicazione”.

03/09/2018 – 02/09/2019

POSTDOCTORAL RESEARCHER (ASSEGNISTA DI RICERCA) UNIVERSITY OF GENOVA

SC: 09/F1 “Campi Elettromagnetici”; SSD: ING-INF/02 “Campi Elettromagnetici”. Title of the research activity: “Studio e sviluppo di metodologie innovative per la progettazione, analisi numerica, e sintesi di architetture non convenzionali per antenne a schiera di prossima generazione”.

● ADDITIONAL INFORMATION

QUALIFICATIONS

08/02/2023 – CURRENT

Italian National Qualification - Full Professor

Abilitazione Scientifica Nazionale (ASN), “I Fascia”, Settore Concorsuale 09/F1 (Campi Elettromagnetici)

09/05/2019 – CURRENT

Italian National Qualification - Associate Professor

Abilitazione Scientifica Nazionale (ASN), “II Fascia”, Settore Concorsuale 09/F1 (Campi Elettromagnetici)

24/02/2019 – CURRENT

French National Qualification - Associate Professor

Section 63 Electrical, Electronic, Photonic and Systems Engineering (Qualification aux fonctions de maître de conférences, Section 63 - Génie électrique, électronique, photonique et systèmes)

TEACHING/ADVISING

Teacher of 5 International PhD Summer Schools within the ICAM Doctoral School of the University of Trento

- Advanced Sampling and Retrieval Methods - The Compressive Processing Paradigm, 13-17 Jun. 2022, Trento, Italy
- Global Optimization Methods - Theory, Techniques, and Advanced Engineering Applications, 20-24 Jun. 2022, Trento, Italy
- Multiphysics Metamaterials - Theory and Engineering Applications, 27 Jun. – 1 Jul. 2022, Trento, Italy
- Inverse Problems (Ill-Posedness and Regularization): Theory, Techniques, and Engineering Applications, 25-29 Jul. 2022, Trento, Italy
- Scientific and High Performance Computing, 29 Aug. – 2 Sep. 2022, Trento, Italy
- Global Optimization Methods - Theory, Techniques, and Advanced Engineering Applications, 10-14 Jul. 2023, Trento, Italy
- Inverse Problems (Ill-Posedness and Regularization): Theory, Techniques, and Engineering Applications, 28 Aug. - 01 Sep. 2023, Trento, Italy

Teacher of 5 International PhD courses within the “European School of Antennas (ESoA)”

- Compressive Sensing in Electromagnetics, 18-22 Mar. 2019, Riva del Garda, Trento, Italy
- Microwave Imaging and Diagnostic – Theory, Techniques and Applications, 1-5 Feb. 2021, Naples, Italy
- Compressive Sensing in Electromagnetics, 25-29 Oct. 2021, Riva del Garda, Trento, Italy
- Arrays and Reflectarrays, 26-30 Sep. 2022, UCL Louvain La Neuve, Belgium
- Quantum Electromagnetics - Modeling the nanoscale in the real world, 21-25 Nov. 2022, Madonna di Campiglio, Trento, Italy

Teacher of a Monographic Series of Lectures on “Antenna Array Synthesis - Theory, Fundamentals, and Latest Advances”, University of Salento, 8-16 November, 2022, Lecce, Italy

Teacher of 2 Short Courses

- Short Course on “Antenna Array Synthesis – Theory, Techniques, and Applications,” at the International Conference on Microwaves, Communications, Antennas, Biomedical Engineering & Electronic Systems (IEEE COMCAS 2021), Nov. 1-3, 2021, Tel Aviv, Israel
- Short Course on “Inverse Scattering and EM Imaging – Theory, Techniques, and Applications,” at the International Conference on Microwaves, Communications, Antennas, Biomedical Engineering & Electronic Systems (IEEE COMCAS 2021), Nov. 1-3, 2021, Tel Aviv, Israel

Teaching Assistant of 10 courses in the area of Electromagnetic Fields

Bachelor and Master level Courses belonging to the “Settore Concorsuale 09/F1 (Campi Elettromagnetici)” [SSD ING-INF/02 - Campi Elettromagnetici] at the University of Trento, Italy:

- “Electromagnetic Propagation” – 2017/2018 Bachelor Degree in Electronic and Telecommunications Engineering
- “Wired Communication System and Devices” – 2017/2018 Master Degree in Telecommunications Engineering
- “Electromagnetic Propagation” – 2016/2017 Bachelor Degree in Electronic and Telecommunications Engineering
- “Wired Communication System and Devices” – 2016/2017 Master Degree in Telecommunications Engineering
- “Wired Communication System and Devices” – 2015/2016 Master Degree in Telecommunications Engineering
- “Optimization Algorithms and Techniques” – 2015/2016 Master Degree in Telecommunications Engineering
- “Electromagnetic Propagation” – 2014/2015 Bachelor Degree in Electronic and Telecommunications Engineering
- “Wired Communication System and Devices” – 2014/2015 Master Degree in Telecommunications Engineering
- “Wired Communication System and Devices” – 20013/2014 Master Degree in Telecommunications Engineering
- “Wired Communication System and Devices” – 2012/2013 Master Degree in Telecommunications Engineering

Teaching Assistant of 3 courses within the “European Institute of Innovation and Technology (EIT)” Master School, University of Trento

- EIT – 2017/2018 Master School of the EIT, University of Trento, Italy
- EIT – 2016/2017 Master School of the EIT, University of Trento, Italy
- EIT – 2015/2016 Master School of the EIT, University of Trento, Italy

Advisor/Co-Advisor of 8 Master Thesis at the University of Trento

Advisor/Co-Advisor of 8 Bachelor Thesis at the University of Trento

EDITORIAL ACTIVITIES

INVITED CONTRIBUTIONS AND TALKS

25 Invited contributions in scientific sessions

7 Invited contributions to International journals and books

2013 – CURRENT

23 Presentations as a speaker in national and international conferences

24/05/2022

Invited lecturer in a Seminar at the University of Salento, Lecce, Italy.

Seminar organized within the Master course of Applied Electromagnetics (a.a. 2021-2022), entitled "Antenna Tolerance Analysis: Latest Advances and Innovative Solutions".

SCIENTIFIC CHAIRING/ORGANIZATION

Member of the organization committee of 3 Workshops

Member of the organization committee of 9 international Short Courses and PhD Schools

Member of the scientific committee in 3 international conferences

Co-Organizer of 9 special sessions in international scientific conferences

Co-Chair of 11 sessions in international scientific conferences

HONOURS AND AWARDS

2016

"Giorgio Barzilai" Prize for Young Researchers – Italian Electromagnetic Society (SIEM)

2017

Third Prize of the "Annual Student Poster Competition" – the Quantitative Nondestructive Evaluation (QNDE 2017) Conference

2018

"Young Scientist" Prize – Applied Computational Electromagnetics Society (ACES)

2019

"Mini-Circuits Harvey Kaylie Best Paper Prize" – IEEE International Conference on Microwaves, Communications, Antennas & Electronic Systems (COMCAS)

2020

Outstanding Reviewer Award – IEEE Transactions on Antennas and Propagation

2021

Outstanding Reviewer Award – IEEE Transactions on Antennas and Propagation

MEMBERSHIP AND REVIEWER ACTIVITIES

Member of 4 scientific institutions (i.e., IEEE, IEEE-AP, CNIT, SIEM)

Reviewer for 20 international journals

Reviewer for 11 conferences

PUBLICATIONS SUMMARY

Scopus Profile: 55749784900

<https://www.scopus.com/authid/detail.uri?authorId=55749784900>

ORCID Profile: 0000-0001-5970-5679

<https://orcid.org/0000-0001-5970-5679>

Citation Metrics in Scopus

- Papers: 138
- Citations: 1868
- H-index: 24

Citation Metrics in ISI WoS

- Papers: 124
- Citations: 1558
- H-index: 22

Citation Metrics in Google Scholar

- Papers: 233
- Citations (all): 2558
- Citations (last 5-years): 1841
- H-index: 28
- H-index (last 5-years): 26
- i10-index: 51
- i10-index (last 5-years): 47