

Curriculum Vitae et Studiorum

of Antonino Nocera

1 Current Job Position

- Antonino Nocera is Associate Professor of Computer Engineering (ING-INF/05) at the Department of Electrical, Computer and Biomedical Engineering of the University of Pavia.

2 University Studies

- On March 2013, he got his Ph.D. at the Mediterranean University of Reggio Calabria. The title of his thesis is “Analyzing, Modeling and Exploiting Social Internetworking Scenarios”.
- On July 2009, he completed his MsC in Telecommunication Engineering (summa cum laude) at the Mediterranean University of Reggio Calabria. The title of his thesis is: “Recommendation of reliable users, resources and Social Networks in a Social Internetworking System”.
- On November 2006 he completed his BsC (summa cum laude) at the Mediterranean University of Reggio Calabria.
- In 2009, he passed the State exam to practice as an Engineer.

2.1 Further Studies

Antonino Nocera attended the following PhD Schools:

- Infosec 2015 - International Summer School on Information Security. July 6-10, 2015. Bilbao, Spain.
- MODAP 2012- International Summer School on Privacy Aware Social Mining. July 1-6. Leysin, Switzerland.

3 Awards and Acknowledgments

- In 2013, in the context of the Project TENACE, Antonino Nocera has been coauthor of a research report available in the Web site of the Information System of the Republic “Sistema di Informazione della Repubblica” ¹.
- In 2010, he has won the “Serenalla Lucisano” best MsC thesis annual award in Information Engineering.

4 National Scientific Habilitation

- On December 2023, Antonino Nocera has obtained the National Research Habilitation as Full Professor (ING-INF/05).
- On April 2017, Antonino Nocera has obtained the National Research Habilitation as Associate Professor (ING-INF/05).

5 Research Activities

Antonino Nocera is author of about 90 scientific papers published or submitted to International Journals, prestigious International Conferences and Books. The main topics of these activities are: data science, social network analysis, cyber-security, trust and reputation, privacy.

The following are the research metrics of Antonino Nocera according to Google Scholar and Scopus:

¹ <http://www.sicurezzanazionale.gov.it/sisr.nsf/sicurezza-in-formazione/tenace-e-la-protezione-delle-infrastrutture-critiche.html>

	Publications	Citations	H-Index
Scholar	93	1320	22
Scopus	84	936	18

Table 1. Bibliometric Indicators.

6 Teaching Experience

- The teaching activities of Antonino Nocera are currently carried out at the University of Pavia. Specifically, he is teaching the following courses:
 - Data Science and Big Data Analytics, MsC course in Computer Engineering (Data Science track).
 - Software Engineering and Object Programming, BsC course in Electronic and Computer Engineering.
 - Laboratory of Machine Learning, BsC course in Artificial Intelligence.
- From 2022, he teaches the course “CS-52-PAV Data Science and Data Analysis” of the Summer School in Computer Science, organized by Alma Mater Ticinensis and the University of Pavia for undergraduate students of Tufts University.
- In 2021, he has been external external lecturer in the course “BIO4334 Informatics for Genomics” (module 2) at the Middlesex University London.
- In 2020, he taught some lessons in the course “Applied Data Analytics - Tools, Practical Big Data Handling, Cloud Distribution” of the Master course in Data Science of the Middlesex University London.
- In 2019, he held some seminars in the course “Applied Data Analytics - Tools, Practical Big Data Handling, Cloud Distribution” of the Master course in Data Science of the Middlesex University London.
- From 2019 to 2021, he was invited from ISTAO (Istituto Adriano Olivetti di Studi per la gestione dell’economia e delle aziende) of Ancona, Marche to teach 10 hours of lesson in the context of each of the three editions of the course “Corso di Specializzazione in Data Science per l’Impresa - modulo Data Analytics”.
- In 2020, he taught 8 hours of lesson on machine learning for the company Boston Group Srl.
- From January 2010 to July 2017, Antonino Nocera has been teaching assistant and tutor of the following BsC and MsC courses at the DIIES Department (DIMET, previously) of the University Mediterranea of Reggio Calabria:
 - Databases.
 - Operating System.
 - Databases 2.
 - Business Intelligence.
 - Advanced Java Programming and Mobile.
 - Information Security.
 - Software Engineering.
- In 2015 he held a course entitled ”Informative System for logistic and transportation support” at ITS: Institute “Tecnico Superiore per l’Infomobilità e le infrastrutture logistiche” ITS “PEGA-SUS”, Polistena, Reggio Calabria.

6.1 Seminars and Talks

- During his career, Antonino Nocera has been speaker for different seminars during prestigious events such as: *(i)* SecureCI 2016 - Winter School: Securing Critical Infrastructures - held on January 17-21, 2016 at Cortina D’Ampezzo, Italy - where he described an approach to implementing fine grained Twitter authorization policies on Android mobile applications; *(ii)* the PhD School of Information Engineering of the University Mediterranea of Reggio Calabria, where he held a seminar on the security issues in the Android realm in 2017; *(iii)* the Marche Polytechnic University, where he held a seminar on social network analysis and security in 2018.

6.2 Student Supervisor

- Antonino Nocera has been supervisor and co-supervisor of a large number of BsC and MsC thesis.
- He is supervisor of a number of Ph.D. student of the Ph.D. school of Electronic, Computer and Electric Engineering of the University of Pavia.
- During 2021, he was supervisor of a research fellow at the University of Pavia working in the context of NLP and text mining with particular focus on the analysis of data from online social platforms.

7 Participation to the teacher council of Ph.D. schools

- From 2020, he is member of the teacher council of the Ph.D. school of Electronic, Computer and Electric Engineering of the University of Pavia.
- In 2022, he was in the commission for the admission to the XXXVIII cycle of the Ph.D. school of Electronic, Computer and Electric Engineering of the University of Pavia.
- In 2022, he was the president of the commission for the final exam of the XXXIV cycle of the Ph.D. school of Electronic, Computer and Electric Engineering of the University of Pavia.
- In 2022, he organized a course for the Ph.D. school of Electronic, Computer and Electric Engineering of the University of Pavia, entitled “AI-Driven Cybersecurity”.

8 Editorial Boarding and Conference Organization

- Antonino Nocera is editorial board member of *Information Sciences* (Q1 in Scimago, impact factor 8.1), Elsevier.
- He is editorial board member of *IEEE Transaction on Information Forensics and Security (T-IFS)* (Q1 in Scimago, impact factor 6.1), IEEE
- He has been involved in the Technical Program Committee of several International Conferences, such as the European Symposium on Research in Computer Security (ESORICS), the International AAAI Conference on Web and Social Media (ICWSM), the International Conference on Information Systems Security and Privacy (ICISSP), and the International Conference on Data Science, Technology and Applications (DATA), the International Workshop on Digital Platforms and Resources for Access to Literary Heritage (DIPRAL-2022).
- in 2023, he has been Co-Publicity Chair for the 9th IEEE International Conference on Factory Communication Systems (WFCS 2023)
- In 2022, he has been involved in the Organizing Committee of the 1st International Workshop on Hybrid Internet of Everything Models for Industry 5.0 (HIEMI 2022).
- In 2013, he has been involved in the Organizing Committee for the 21st National Congress on “Sistemi Evoluti per Basi di Dati” (SEBD’13), Roccella Jonica (RC).

9 Research Projects

- Principal Investigator of the PRIN 2022 Project “HOMEY: A Human-centric IoE-based Framework for Supporting the Transition Towards Industry 5.0”, funded by the European Union - Next Generation EU.
- Principal Investigator in the project “Analisi di dati attraverso tecniche di Social Network Analysis e Machine Learning per il monitoring dei servizi”. A research project between the Department of Electrical, Computer and Biomedical Engineering of the University of Pavia and the company Sky Italia S.r.l.. The project ended on December 2021.
- Participation to the project “DaViD API refresh strategy”. A research project between the Department of Electrical, Computer and Biomedical Engineering of the University of Pavia and the company Deloitte Consulting Srl. The project ended on December 2019.
- Participation to the project “Recognition of mathematical expression”. A research project between the Department of Electrical, Computer and Biomedical Engineering of the University of Pavia and the company Algemator UG. The project ended on June 2021.

- from 2010 to 2017, as a Ph.D. student and, then, as post-doctoral researcher fellow, he participated to the activities of the following research projects:
- “*Cyber Security District*” (*Project 2: Digital Services and E-payment Protection; Project 3: Secure De-materialization*) a project of the Programma Operativo Nazionale (PON) Ricerca e Competitività 2007-2013.
 - PRIN *TENACE* (*Protecting National Critical Infrastructures from Cyber Threats*). The project has been carried out from April 2013 to December 2015.
 - “*inMoto*” (*Information MObility for TOurism*), a project of the Programma Operativo Nazionale (PON) Ricerca e Competitività 2007-2013. The project has been carried out from February 2013 to January 2016.
 - *SMBI* (Social Media, E-Service e Business Intelligence: scenari evoluti), a department project aiming at studying new social network analysis issues, e-services and business intelligence. The project started on November 2011.
 - *WebScene*, a department project aiming at studying Web services and their evolution. The project has been carried out from November 2011 to July 2016.
 - *HKMS* (Health Knowledge Mining Suite), a regional founded project aiming at the development of OLAP and datamining techniques on health care data to improve health care services. The project has been carried out from July 2011 to April 2013.

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