

# Curriculum Vitae et Studiorum

of Antonino Nocera

## 1 Current Job Position

- Antonino Nocera is Associate Professor at the Department of Electrical, Computer and Biomedical Engineering of the University of Pavia.

## 2 International Scientific Collaborations

- During 2018, he collaborated with a Information Engineering group of the Università Politecnica delle Marche, led by Prof. Domenico Ursino, as Cybersecurity and Data Science expert.
- Started from 2018, he is carrying out data science studies about the evolution of sharing economy in collaboration with Prof. Licia Capra from the University College London (UCL) and Prof. Giovanni Quattrone of the Middlesex London University [61, 72].
- In 2018, he has been invited by Prof. Diego Costa Pinto of the NOVA IMS University of Lisbon to carry out research studies in the context of Assortativity in Social Networks and Marketing.
- In September 2016 he has been invited by Prof. Christopher Rosenberger to work with members of the E-payment & Biometrics research unit in the GREYC lab of the Universit de Caen Basse-Normandie & ENSICAEN, Normandy, to develop joint rewards projects in the field of trust on the Internet [52].

## 3 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.

### 3.1 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.

## 4 National Scientific Habilitation

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

## 5 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” <sup>1</sup>.
- In 2010, he has won the “Serenalla Lucisano” best MsC thesis annual award in Information Engineering.

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

## 6 Research Activities

Antonino Nocera is author of 78 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:

	Publications	Citations	H-Index
Scholar	81	1090	18
Scopus	72	796	16

**Table 1.** Bibliometric Indicators.

## 7 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 (from 2021/2022).
  - Object Programming, BsC course in Electronic and Computer Engineering (until 2020/2021).
- 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.

## 7.1 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 seminary on the security issues in the Android realm in 2017; *(iii)* the Marche Polytechnic University, where he held a seminary on social network analysis and security in 2018.

## 7.2 Student Supervisor

- Antonino Nocera has been supervisor and co-supervisor of a large number of BsC and MsC thesis.
- 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.
- Currently, he is supervisor of a Ph.D. student of the XXXVII cycle of the Ph.D. school of Electronic, Computer and Electric Engineering of the University of Pavia.

## 8 Participation to the teacher council of Ph.D. schools

- He is member of the teacher council of the Ph.D. school of Electronic, Computer and Electric Engineering (XXXVII cycle) of the University of Pavia.
- In 2022, he has been 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 has been 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.

## 9 Editorial Boarding and Conference Organization

- Antonino Nocera is editorial board member of a number of scientific International Journals, including *Information Sciences* (Q1 in Scimago, impact factor 6.795), Elsevier.
- He has been involved in the Technical Program Committee of several International Conferences, such as 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).
- He has been session chair in a number of International Conferences, such as the 38th edition of the International Computers, Software & Applications Conference (COMPSACW 2014), and the International Computer Software and Applications Conference Workshops (COMPSACW 2014).
- Moreover, he has served as referee for several International Journals such as, for instance, the IEEE Transactions on Parallel and Distributed Systems, Computer Human Behavior, and International Conferences such as the International Conference on Availability, Reliability and Security (ARES), and the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM).

## 10 Research Projects

- 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.
- 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.
- 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. The project started in October 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.

## 11 Scientific Prototypes

Antonino Nocera contributed to develop several scientific prototypes. Among those the most important are:

- *SNAKE*. The Social Network Account Knowledge Extractor is a system for the extraction of structural data from a multi-social network environment [41].
- *BDS*. BDS (Bridge Driven Search) is a new generation crawler specifically tailored for multi-social network scenarios [31]. BDS leverages *SNAKE* or any other similar system to extract information about user contacts in social networks. It implements an innovative strategy to extract samples representative of a multi-social network scenario. Therefore, starting from any seed in any network it can perform a visit also moving through different social networks.
- A system based on the approach described in [42]. Its aim is to detect accounts belonging to the same person also in different social networks for which the explicit *me* information is missing. It is able of both finding (possibly) all the accounts of the same person in different social networks starting from any of them (*node-seed crystallization problem*) and to enrich a multi-social network sample with missing *me* edges (*edge-seed crystallization problem*).
- A framework implementing the main crawling techniques for social networks [18]. It provides both classical and multi-social network optimized implementations of state-of-the-art strategies such as: Breadth First Search, Metropolis-Hasting Random Walk, Random Walk, Bridge Driven Search, etc.
- A Middleware for the Protection of Social Mobile Application. This system implements the approach described in [44] and realizes an efficient solution to provide fine-grained access control rules for Twitter-based mobile application in Android.

- A system implementing the Tweet to Sign protocol for social digital signature described in [51]. The system is composed of three main applications. A Web application implementing the company-side features described in the protocol, an android application for the hash-chain generation and a Firefox web browser plug-in for the signature integrity verification.
- *K-anonymous log generator*. This system implements the strategy described in [63]. It has been designed for Beaglebone technology, and exploits computer vision and RFID technology to generate k-anonymous logs of people movements inside critical environments.

## References

1. P. De Meo, A. Nocera, G. Quattrone, D. Rosaci, and D. Ursino. Finding reliable users and social networks in a social internetworking system. In *Proc. of the International Database Engineering and Applications Symposium (IDEAS 2009)*, pages 173–181, Cetraro, Italy, 2009. ACM Press.
2. A. Nocera, G. Quattrone, G. Terracina, and D. Ursino. Exploitation of user actions to recommend similar users, resources and social networks in a Social Internetworking Scenario. In *Atti del Diciottesimo Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD'10)*, pages 42–53, Rimini, Italy, 2010.
3. P. De Meo, G. Fiumara, A. Nocera, and D. Ursino. The Role of Schema and Document Matchings in XML Source Clustering. *XML Data Mining: Models, Methods, and Applications*, pages 125–153, 2011.
4. P. De Meo, A. Nocera, G. Quattrone, and D. Ursino. A conceptual framework and an underlying model for community detection and management in a Social Internetworking Scenario. In *Atti del Diciannovesimo Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD'11)*, pages 387–394, Maratea (PZ), Italy, 2011.
5. P. De Meo, A. Nocera, D. Rosaci, and D. Ursino. Recommendation of reliable users, social networks and high-quality resources in a Social Internetworking System. *AI Communications*, 24(1):31–50, 2011. IOS Press.
6. P. De Meo, A. Nocera, G. Terracina, and D. Ursino. Recommendation of similar users, resources and social networks in a Social Internetworking Scenario. *Information Sciences*, 181(7):1285–1305, 2011. Elsevier.
7. P. De Meo, A. Nocera, and D. Ursino. A Component-based Framework for the Integration and Exploration of XML Sources. *XML Data Mining: Models, Methods, and Applications*, pages 343–377, 2011.
8. A. Nocera and D. Ursino. An approach to providing a user of a “social folksonomy” with recommendations of similar users and potentially interesting resources. *Knowledge-Based Systems*, 24(8):1277–1296, 2011. Elsevier.
9. F. Buccafurri, G. Lax, B. Liberto, A. Nocera, and D. Ursino. Supporting Community Mining and People Recommendations in a Social Internetworking Scenario. In *Proc. of the International Workshop on Mining Communities and People Recommenders at ECML/PKDD 2012 (COMMPER 2012)*, pages 24–31, Bristol, UK, 2012.
10. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Crawling Social Internetworking Systems. In *Proc. of the International Conference on Advances in Social Analysis and Mining (ASONAM 2012)*, pages 505–509, Istanbul, Turkey, 2012. IEEE.
11. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Discovering hidden me edges in a Social Internetworking Scenario. In *Atti del Ventesimo Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD'12)*, pages 15–26, Venezia, Italy, 2012.
12. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Discovering Links among Social Networks. In *Proc. of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD 2012)*, pages 467–482, Bristol, United Kingdom, 2012. Lecture Notes in Computer Science. Springer.
13. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. SISO: a conceptual framework for the construction of “stereotypical maps” in a Social Internetworking Scenario. In *Proc. of the International Workshop on New Frontiers in Mining Complex Knowledge Patterns at ECML/PKDD 2012 (NFMCP 2012)*, pages 160–171, Bristol, UK, 2012.
14. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Supporting Information Spread in a Social Internetworking Scenario. *Post-Proceedings of the International Workshop on New Frontiers in Mining Complex Knowledge Patterns at ECML/PKDD 2012 (NFMCP 2012)*, pages 200–214, 2012. Lecture Notes in Artificial Intelligence, Springer.
15. A. Nocera and D. Ursino. An approach to deriving a virtual thematic folksonomy based system from a social inter-folksonomy based scenario. *Web Intelligence and Agent Systems Journal*, 10(4):361–384, 2012.
16. A. Nocera and D. Ursino. PHIS: a system for scouting potential hubs and for favoring their “growth” in a Social Internetworking Scenario. *Knowledge-Based Systems*, 36:288–299, 2012. Elsevier.
17. F. Buccafurri, D. Caridi, G. Lax, A. Nocera, and D. Ursino. Restoring Information Needed for Social Internetworking Analysis from Anonymized Data. In *Proc. of the International Multi-Conference on Computing in the Global Information Technology (ICCGI 2013)*, Nice, France, 2013. IARIA XPS Press.
18. F. Buccafurri, V.D. Foti, G. Lax, A. Nocera, and D. Ursino. Bridge Analysis in a Social Internetworking Scenario. *Information Sciences*, 224:1–18, 2013. Elsevier.
19. F. Buccafurri, G. Lax, S. Nicolazzo, A. Nocera, and D. Ursino. Measuring Betweenness Centrality in Social Internetworking Scenarios. In *Proc. of International Workshop on Social and Mobile Computing for collaborative environments (SOMOCO'13)*, pages 666–673, Gratz, Austria, 2013. Springer Verlag.
20. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Bridge-Driven Search in Social Internetworking Scenarios. In *Atti del Ventunesimo Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD'13)*, pages 175–182, Roccella Jonica, Italy, 2013.

21. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Internetworking assortativity in Facebook. In *Proc. of the International Conference on Social Computing and its Applications (SCA 2013)*, pages 335–341, Karlsruhe, Germany, 2013. IEEE Computer Society.
22. A. Nocera and D. Ursino. A new ego network model and an approach to extracting an ego network compliant with this model from a Social Internetworking System. *International Journal of Web Based Communities*, 9(4):483–518, 2013.
23. F. Buccafurri, D. Caridi, L. Fotia, G. Lax, A. Nocera, and D. Ursino. A Clustering-based Analysis of a Social Internetworking Scenario. *International Journal of Society Systems Science*, 6(2):101–119, 2014.
24. F. Buccafurri, L. Coppolino, S. D’Antonio, A. Garofalo, G. Lax, A. Nocera, and L. Romano. Trust-Based Intrusion Tolerant Routing in Wireless Sensor Networks. In *Proc. of the International Conference on Computer Safety, Reliability and Security (SAFECOMP 2014)*, pages 214–229, Firenze, Italy, 2014. Springer.
25. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A Model to Support Multi-Social-Network Applications. In *Proc. of the International Conference Ontologies, DataBases, and Applications of Semantics (ODBASE 2014)*, pages 639–656, Amantea, Italy, 2014. Springer.
26. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A Privacy-Preserving Solution for Tracking People in Critical Environments. In *Proc. of the International Workshop on Computers, Software & Applications (COMPSAC’14)*, pages 146–151, Västerås, Sweden, 2014. IEEE Computer Society.
27. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Fortifyng TripAdvisor against Reputation-System Attacks. In *Proc. of the World Congress on Internet Security (WORLDICIS 2014)*, pages 21–22, London, UK, 2014. IEEE.
28. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Generating K-Anonymous Logs of People-Tracing Systems in Surveilled Environments. In *Atti del Ventiduesimo Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD’14)*, pages 37–44, Sorrento Coast, Italy, 2014.
29. F. Buccafurri, G. Lax, S. Nicolazzo, A. Nocera, and D. Ursino. Driving Global Team Formation in Social Networks to Obtain Diversity. In *Proc. of the International Conference on Web Engineering (ICWE 2014)*, pages 410–419, Toulouse, France, 2014. Springer.
30. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Experiences using bds: A crawler for social internet-working scenarios. In *Social Networks: Analysis and Case Studies*, pages 149–177. Springer, 2014.
31. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Moving from Social Networks to Social Internetworking Scenarios: the Crawling Perspective. *Information Sciences*, 256:126–137, 2014.
32. G. Marra, A. Nocera, F. Ricca, G. Terracina, and D. Ursino. Investigating Information Diffusion in a Multi-Social-Network Scenario via Answer Set Programming. In *Proc. of the International Conference on Web Reasoning and Rule Systems (RR 2014)*, pages 191–196, Athens, Greece, 2014. Springer.
33. G. Marra, A. Nocera, F. Ricca, G. Terracina, and D. Ursino. Investigating Node Influence Maximization and Influential Node Characterization in a Multi-Social-Network Scenario via Disjunctive Logic Programming. In *Atti del Ventiduesimo Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD’14)*, pages 264–275, Sorrento Coast, Italy, 2014.
34. P. De Meo, A. Nocera, G. Quattrone, and D. Ursino. A conceptual framework for community detection, characterization and membership in a Social Internetworking Scenario. *International Journal of Data Mining, Modelling and Management*, 6(1):22–48, 2014.
35. F. Buccafurri, L. Fotia, G. Lax, S. Nicolazzo, and A. Nocera. A lightweight electronic signature scheme using Twitter. In *Proc. of the Italian Symposium on Advanced Database Systems (SEBD 2015)*, pages 160–167, Gaeta, IT, 2015.
36. F. Buccafurri, L. Fotia, G. Lax, S. Nicolazzo, and A. Nocera. Trust, Security and Privacy in Smart Cities. In *In Proc. of the 1st CINI Annual Conference on ICT for Smart Cities & Communities (I-Cities 2015)*, Palermo, Italy, 2015.
37. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A Model Implementing Certified Reputation and its Application to TripAdvisor. In *Proc. of the International Conference on Availability, Reliability and Security (ARES 2015)*, pages 218–223, Toulouse, France, 2015. IEEE.
38. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Accountability-Preserving Anonymous Delivery of Cloud Services. In *Proc. of the International Conference on Trust, Privacy and Security in Digital Business (TRUSTBUS 2015)*, pages 124–135. Springer, 2015.
39. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Comparing twitter and facebook user behavior: privacy and other aspects. *Computers in Human Behavior*, 52:87–95, 2015.
40. F. Buccafurri, G. Lax, and A. Nocera. A New Form of Assortativity in Online Social Networks. *International Journal of Human-Computer Studies*, 80:56–65, 2015.
41. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. A system for extracting structural information from Social Network accounts. *Software: Practice and Experience (SPE)*, 45(9):1251–1275, 2015. DOI: 10.1002/spe.2280.
42. F. Buccafurri, G. Lax, A. Nocera, and D. Ursino. Discovering Missing Me Edges across Social Networks. *Information Sciences*, 319:18–37, 2015.



43. F. Buccafurri, L. Fotia, G. Lax, S. Nicolazzo, and A. Nocera. Smart Communities and the Cloud: Security and Privacy Issues. In *In Proc. of the 2nd CINI Annual Conference on ICT for Smart Cities & Communities (I-Cities 2016)*, Benevento, Italy, 2016.
44. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A Middleware to Allow Fine-Grained Access Control of Twitter Applications. In *Proc. of the international conference on mobile, secure and programmable networking (MSPN 2016)*, pages 168–182, Paris, France, 2016. Springer.
45. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A threat to friendship privacy in Facebook. In *Proc. of the International Cross Domain Conference and Workshop (CD-ARES 2016)*, pages 96–105, Salzburg, Austria, 2016. Springer.
46. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Completeness, Correctness and Freshness of Cloud-Managed Data Streams. In *Proc. of the Italian Symposium on Advanced Database Systems (SEBD 2016)*, pages 134–141, Lecce, IT, 2016.
47. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Interest Assortativity in Twitter. In *Proc. of the International Conference on Web Information Systems and Technologies (Webist 16))*, volume 1, pages 239–246, Rome, Italy, 2016. SCITEPRESS.
48. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A model to support design and development of multiple-social-network applications. *Information Sciences*, 331:99–119, 2016.
49. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Range Query Integrity in Cloud Data Streams with Efficient Insertion. In *Proc. of the 15th International Conference on Cryptology and Network Security (CANS 2016)*, pages 719–724, Milan, Italy, 2016. Springer.
50. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Range Query Integrity in the Cloud: the Case of Video Surveillance. In *Proc. of the International Conference for Internet Technology and Secured Transactions (ICITST-2016)*, pages 170–175, Barcelona, Spain, 2016. IEEE.
51. G. Lax, F. Buccafurri, S. Nicolazzo, A. Nocera, and L. Fotia. A new approach for electronic signature. In *Proc. of the International Conference on Information Systems Security and Privacy (ICISSP 16))*, pages 440–447, Rome, Italy, 2016. SCITEPRESS.
52. F. Buccafurri, G. Lax, D. Migdal, S. Nicolazzo, A. Nocera, and C. Rosenberger. Contrasting False Identities in Social Networks by Trust Chains and Biometric Reinforcement. In *Proc. of the International Conference on CYBERWORLDS (CW 2017)*, pages 17–24, Chester, United Kingdom, 2017. IEEE.
53. F. Buccafurri, G. Lax, S. Nicolazzo, and Assunta Matassa A. Nocera, Luca Console. Discovering good links between objects in the Internet of Things. In *Proc. of the International Conference on Wireless Networks and Mobile Systems (WINSYS 2017)*, pages 102–107, Madrid, Spain, 2017. SCITEPRESS.
54. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A Model for Handling Multiple Social Networks and its Implementation. In *Proc. of the Italian Symposium on Advanced Database Systems (SEBD 2017)*, 2017.
55. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. eIDAS public digital identity systems: beyond online authentication to support urban security. In *Proc. of the EAI International Conference on ICT Infrastructures and Services for Smart Cities(IISSC 2017)*, pages 58–65, Brindisi, Italy, 2017. Springer.
56. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Not only databases: Social data and cybersecurity perspective. In *A comprehensive guide through the Database research over the last 25 years*, pages 441–456. Springer, 2017.
57. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Overcoming Limits of Blockchain for IoT Applications. In *Proc. of the International Conference on Availability, Reliability and Security (ARES 2017)*, pages 1–6, Reggio Calabria, Italy, 2017.
58. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Range Query Integrity in Cloud Data Streams with Efficient Insertion. In *In Proc. of the the Italian Conference on Cybersecurity (ItaSec2017)*, Venice, Italy, 2017.
59. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. Tweekchain: An alternative to blockchain for crowd-based applications. In *Proc. of the International Conference on Web Engineering (ICWE 2017))*, pages 386–39, Rome, Italy, 2017. Springer.
60. G. Lax, F. Buccafurri, S. Nicolazzo, A. Nocera, and F. Ermidio. A system for privacy-preserving analysis of vehicle movements. In *Proc. of the EAI International Conference on ICT Infrastructures and Services for Smart Cities (IISSC 2017)*, pages 23–28, Brindisi, Italy, 2017. Springer.
61. G. Quattrone, N. Nicolazzo, A. Nocera, D. Quercia, and L. Capra. Is the sharing economy about sharing at all? A linguistic analysis of Aribnb reviews. In *Proc. of the International AAAI Conference on Web and Social Media (ICWSM 2018)*, pages 1–4, Stanford, California, 2018.
62. F. Buccafurri, V. De Angelis, G. Lax, S. Nicolazzo, and A. Nocera. The challenge of privacy in the cloud. In Shoba Ranganathan, Michael Gribskov, Kenta Nakai, and Christian Schnbach, editors, *Encyclopedia of Bioinformatics and Computational Biology*, pages 265 – 271. Academic Press, Oxford, 2019.
63. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A System for Privacy-Preserving Access Accountability in Critical Environments. *IEEE Pervasive Computing*, 18(2):5866, 2019.

64. E. Corradini, S. Nicolazzo, A. Nocera, D. Ursino, and L. Virgili. Increasing protection and autonomy in the IoT through a two-tier blockchain framework. In *Proc. of the Italian Symposium on Advanced Database Systems (SEBD 2021)*, Pizzo Calabro, Italy, 2019.
65. C. Diamantini, A. Nocera, D. Potena, E. Storti, and D. Ursino. Find the Right Peers: Building and Querying Multi-IoT Networks Based on Contexts. In *Proc. of International Conference on Flexible Query Answering Systems (FQAS 2019)*, pages 302–313, Amantea, Italy, 2019. Springer.
66. C. Diamantini, A. Nocera, D. Potena, E. Storti, and D. Ursino. Multi-Dimensional Contexts for Querying IoT Networks. In *Proc. of the Italian Symposium on Advanced Database Systems (SEBD 2019)*, Castiglione della Pescaia (Grosseto), Italy, 2019.
67. P. Lo Giudice, A. Nocera, D. Ursino, and L. Virgili. Building topic-driven virtual iots in a multiple iots scenario. *Sensors*, 19(13):2956, 2019.
68. F. Buccafurri, G. Lax, S. Nicolazzo, and A. Nocera. A Privacy-Preserving Localization Service for Assisted Living Facilities. *IEEE Transaction on Service Computing*, 13(1):1629, 2020.
69. E. Corradini, A. Nocera, D. Ursino, and L. Virgili. Defining and detecting k-bridges in a social network: The yelp case, and more. *Knowledge-Based Systems*, 195:105721, 2020.
70. C. Diamantini, A. Nocera, D. Potena, E. Storti, and D. Ursino. Querying the iot using multi-resolution contexts. *IEEE Internet of Things Journal*, 8(7):6127–6139, 2020.
71. S. Nicolazzo, A. Nocera, D. Ursino, and L. Virgili. A privacy-preserving approach to prevent feature disclosure in an IoT scenario. *Future Generation Computer Systems*, 105:502–519, 2020.
72. G. Quattrone, A. Nocera, D. Quercia, and L. Capra. Social Interactions or Business Transactions? What Customer Reviews Disclose about Airbnb Marketplace. In *Proc. of the International World Wide Web Conferences (WWW 2020)*, pages 1526–1536, Taipei, Taiwan, 2020.
73. E. Corradini, A. Nocera, D. Ursino, and L. Virgili. Investigating negative reviews and detecting negative influencers in yelp through a multi-dimensional social network based model. *International Journal of Information Management*, 60:102377, 2021.
74. E. Corradini, A. Nocera, D. Ursino, and L. Virgili. Investigating the phenomenon of nsfw posts in reddit. *Information Sciences*, 566:140–164, 2021.
75. M. Cotogni, C. Cusano, and A. Nocera. Recursive recognition of offline handwritten mathematical expressions. In *2020 25th International Conference on Pattern Recognition (ICPR)*, pages 3138–3145. IEEE, 2021.
76. M. Ferretti, S. Nicolazzo, and A. Nocera. H2O: Secure Interactions in IoT via Behavioral Fingerprinting. *Future Internet*, 13(5), 2021.
77. S. Nicolazzo, A. Nocera, and D. Ursino. Anonymous Access Monitoring of Indoor Areas. *IEEE Access*, 9:56664–56682, 2021.
78. Alberico Aramini, Marco Arazzi, Tullio Facchinetti, Laurence SQN Ngankem, and Antonino Nocera. An enhanced behavioral fingerprinting approach for the internet of things. In *2022 IEEE 18th International Conference on Factory Communication Systems (WFCS)*, pages 1–8. IEEE, 2022.
79. E. Corradini, S. Nicolazzo, A. Nocera, D. Ursino, and L. Virgili. A two-tier Blockchain framework to increase protection and autonomy of smart objects in the IoT. *Computer Communications*, 181:338–356, 2022.
80. Tullio Facchinetti, Marco Arazzi, and Antonino Nocera. Time series forecasting for predictive maintenance of refrigeration systems. In *2022 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress (DASC/PiCom/CBDCoM/CyberSciTech)*, pages 1–6. IEEE, 2022.
81. Tullio Facchinetti, Guido Benetti, Davide Giuffrida, and Antonino Nocera. Slr-kit: A semi-supervised machine learning framework for systematic literature reviews. *Knowledge-Based Systems*, 251:109266, 2022.
82. Laurence Saint QN Ngankem, Cristiana Larizza, Antonino Nocera, Giuseppe Rombolà, Silvana Quaglini, Riccardo Bellazzi, Maria Laura Costantino, and Giustina Casagrande. A comparative study of the definitions of intradialytic hypotension correlated with increased mortality to identify universal predictors. *International Journal of Medical Informatics*, page 104975, 2022.

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