SERENA NICOLAZZO

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CURRENT POSITION

13/03/2023 - Now   University of Milan, Department of Computer Science
Type-A Research Fellow (RTDA)

PREVIOUS POSITIONS

Nov. 2020 – March 2023   Daisy Lab, Marche Polytechnic University
Research Collaborator
I collaborate with Daisy Lab team to further my research on Data Science, Online Communities and IoT.

March 2020 – Jan. 2022   Middlesex University, Faculty of Science & Technology
Visiting Researcher
I collaborate with the Research Group in Applied Software Engineering of the Department of Computer Science of Middlesex University London to further my research on Data Science and Artificial Intelligence applied to Sharing Economy.

July 2019 – August 2021   Sky Italy Srl
Research Engineering Senior Engineer
I collaborated with the Research & Development Group for research and innovation project proposals (H2020, POR, MISE). I was responsible for the architectural design of Sky products, services and tech platform.

October 2017 - July 2019   Sisal SPA.
Software Architect Innovative Solutions
Payment and Services Unit. I was responsible for the architectural design of the Digital Factory Innovation projects.

January – October 2017   University Mediterranea of Reggio Calabria, DIIES Department.
Research Fellow
Project Title: Innovative Models and Techniques for Information protection and integrity in dematerialization scenarios.

Serena Nicolazzo   *June 15th, 2024*

EDUCATION

Fall 2013 – Winter 2017   University Mediterranea of Reggio Calabria, DIIES Department.
                          PhD in Computer Engineering (Funded by Miur)
                          Thesis Title: Organizations and communities: trust, security, and privacy issues

Oct 2011 – July 2013   University Mediterranea of Reggio Calabria,
                        MSc in Computer and Telecommunication Systems Engineering (110 summa cum laude/110)

Oct 2007 – May 2011   University Mediterranea of Reggio Calabria,
                       BSc in Telecommunication Engineering (110 summa cum laude/110)

Fall 2020 – Autumn 2024 (expected) Università degli Studi di Milano Statale
                        BSc in Sciences of the Cultural Heritage

QUALIFICATIONS: CISCO (I, II modules) (2011)
                       Licensed as a Professional Engineer (2013)
                       Cambridge C1 Advanced (CAE) Level (2020)

RESEARCH METRICS

The following are the bibliometric indicators according to Google Scholar and Scopus:

	Publications	Citations	H-Index
Scopus	43	404	12
Scholar	43	585	14

PROJECTS

- RTDA PNRR for SERICS (Security and Rights In the CyberSpace) - Spoke 10: Data Governance and Data Protection (DGDP) from March 2023.
- Cyber Security - Project 2: Digital Services and e-Payement Protection; Project 3: Secure Dematerialization. A project of the Programma Operativo Nazionale (PON) Ricerca e Competitività 2007-2013 made in collaboration with Poste Italiane SpA, Postel SpA, NTT Data Italia SpA, Abramo Printing & Logistics SPA, Centro di Competenza ICT-SUD Srl, NOVA System ROMA srl, University of Calabria, ICAR-CNR. The project started on October 2013.
- PRIN TENACE - Protecting National Critical Infrastructures from Cyber Threats. A project made in cooperation with University of: Rome La Sapienza, Parthenope of Naples, Federico II of Naples, Politecnico of Milano, Trento, Florence, Politecnico di Torino, Pisa, and ICAR-CNR. The project has been carried out from February 2013 to January 2016.
- inMoto - Information MObility for Tourism. A project of the Programma Operativo Nazionale (PON) Ricerca e Competitività 2007-2013 made in collaboration with ACI Informatica, TSC Consulting, Engineering, University of Calabria, ICAR-CNR, University Magna Graecia of Catanzaro. The project has been carried out from April 2013 to December 2015.

- BA2Know - Business Analytics to Know. Iniziativa del SI_Lab Calabria, made in collaboration with: Engineering, Exeura, University of Calabria, ICAR CNR, Omnia Energia, DLVSystem. The project has been carried out from September 2013 to December 2016.

TEACHING EXPERIENCE
- Held a course entitled "Data, Web and Digital Content" of 40 hours (6 ECTS) for first year of BsC in Language Mediation and Intercultural Communication, University of Milan in 2023/24.
- Planned and taught a module of Algorithms & Data Structures for the second year of BSc in Information Engineering at University Mediterranea of Reggio Calabria from 2014/15 to 2016/17.
- Held a course entitled "Security, Privacy and Trust in the IoT" as part of the PhD Course in Information Engineering, in April 2021, at the Polytechnic University of Marche.
- Responsible for a teaching assignment of a course entitled "Security and Privacy in IoT" of 12 hours for BsC and MsC students at Cochin University of Science and Technology (CUSAT), India in March 2024.
- Held a computer science course of 30 hours at ITS "PEGASUS": "Tecnico Superiore per l'Infomobilità e le infrastrutture logistiche". Reggio Calabria, Italy, from October 23 – January 21, 2017.
- Supported MsC and BsC students' research activities for thesis.

COLLABORATION
Worked closely with research colleagues from:
- University of Pavia (Department of Electrical, Computer and Biomedical Engineering).
- Cochin University of Science and Technology, India (Department of Computer Applications).
- University College of London, UCL (Computer Science Department).
- Middlesex University of London (Department of Computer Science).
- Polytechnic University of Marche (Department of Information Engineering, Daisy Lab).
- University of Padua (Department of Mathematics).
- National Graduate School of Engineering & Research Center of Caen (Ensicaen).
- Polytechnic University of Turin (Computer-Human Interaction Research Unit).

POSITION OF RESPOSIBILTIY
Editorial Board Member of:
- Online Social Networks and Media (OSNEM) from 2024 – Q1.
- Journal of Electrical and Computer Engineering from 2023 – Q2.
- Computers, Materials & Continua (CMC) from 2023 – Q3.
- International Journal of Advanced Computer Science and Applications (IJACSA) – Q3.
- Journal of Intelligent Systems (JISYS) – Q3.
- International Journal of Information Technologies and Systems Approach (IJITSA) – Q4.
- Journal of Computer Science – Q4.

Member of the Technical Program Committee (TPC) of:
- The 2nd International Workshop on Hybrid Internet of Everything Models for Industry 5.0 (HIEMI 2023). Co-located with the International Conference on Embedded Wireless Systems and Networks (EWSN 2023) – (Rank A- according to GII-GRIN-SCIE, Rank B according to Core.edu).
- The 2017 International Conference on Computer Science and Application Engineering (CSAE 2017).
- The Ninth International Conferences on Pervasive Patterns and Applications (PATTERNS 2017).
- The 8th International Conference on Electronics, Communications and Networks (CECNet 2018).

Referee for:

- The 28th and 29th European Symposium on Research in Computer Security (ESORICS 2023, ESORICS 2024).
- The 24th and 25th Italian Symposium on Advanced Database Systems (SEBD 2016, SEBD 2017).
- The 6th International Conference on Electronics, Communications and Networks (CECNet 16).
- The First Italian Conference on Cyber Security (ITA-SEC 2017).
- The 3rd International Conference on Information Systems Security and Privacy (ICISSP 2017).
- The 12th International Conference on Availability, Reliability and Security (ARES 2017).
- International Q1 journals such as: Information Sciences, Future Generation Computer Systems, Computer Communications, Computers & Security, Computers in Human Behaviour.

CONFERENCES ATTENDED

- 38th Annual International Computers, Software & Applications Conference (COMPSAC14), Västerås, Sweden, July 21-25, 2014.
- 13th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2014), Amantea, Italy, October 27-31, 2014.

INTERNATIONAL PHD SCHOOL ATTENDED

- Infosec 2015 - International Summer School on Information Security. July 6-10, 2015. Bilbao, Spain.
- SecureCI 2016 - Winter School: Securing Critical Infrastructures. January 17-21, 2016. Cortina D'ampezzo, Italy.

FUNDING AND AWARDS

- Member of "Security, Trust & Social Networks (STS) Group", part of CINI (Cyber Security National lab) 2015-2017.
- Responsible for the submission of "Imperium, Immersive MultiPlatfoRm Media Content interaction" HORIZON 2020 ICT-44 proposal for the Sky research team. Project proposal in collaboration with: Atos Spain, Engineering, RAI SPA IT, SWISS TXT, University Polytechnical De Madrid; University of Southampton, University of Pavia, Kpeople Research Foundation. Submitted on 16th January 2020.
- Top 3 national finalist for the Golden Apple - Prize Marisa Bellisario 2014- category IT engineering graduates.

Serena Nicolazzo *June 15th, 2024*

PUBLICATIONS

Journals

1. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. Comparing Twitter and Fac011ebook User Behavior: Privacy and other Aspects. *Computers in Human Behavior,* Elsevier. n. 52, 2015, pp. 87-95, ISSN: 0747-5632, doi: http://dx.doi.org/10.1016/j.chb.2015.05.045. Q1

2. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Model to Support Design and Development of Multiple-Social- Network Applications. *Information Sciences*, Elsevier. 331 (2016): 99-119 n. 331, 2016, ISSN: 0020-0255, doi: 10.1016/j.ins.2015.10.042. Q1

3. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Privacy-Preserving Localization Service for Assisted Living Facilities. *IEEE Transactions on Services Computing (TSC),* IEEE Computer Society Vol.9. 2017, doi: 10.1109/TSC.2016.2646363. Q1

4. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A System for Privacy-Preserving Access Accountability in Critical Environments. IEEE Pervasive Computing, 2019, 18.2: 58-66, doi: 10.1109/MPRV.2018.2884125. Q3

5. **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, doi: https://doi.org/10.1016/j.future.2019.12.017. Q1

6. M. Ferretti, **S. Nicolazzo** and A. Nocera. H2O: Secure interactions in IoT via Behavioral Fingerprinting. Future Internet. 2021, doi: doi.org/10.3390/fi13050117. Q2

7. **S. Nicolazzo**, A. Nocera and D. Ursino. Anonymous Access Monitoring of Indoor Areas. *IEEE Access,* 2021, 9: 56664-56682, doi: 10.1109/ACCESS.2021.3071966. Q1

8. 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.* 2022, 181, pp. 338–356, doi: doi.org/10.1016/j.comcom.2022.10.028. Q1

9. M. Arazzi, **S. Nicolazzo,** A. Nocera and M. Zippo. The Importance of the Language for the Evolution of Online Communities: An Analysis Based on Twitter and Reddit. *Expert Systems With Applications.* 2023. ISSN: 0957-4174, doi: https://doi.org/10.1016/j.eswa.2023.119847. Q1

10. M. Arazzi, M.Ferretti, **S. Nicolazzo** and A. Nocera. The role of social media on the evolution of companies: A Twitter analysis of Streaming Service Providers. *Online Social Networks and Media.* 2023. 36, 100251, doi: https://doi.org/10.1016/j.osnem.2023.100251. Q1

11. M. Arazzi, D. Murer, **S. Nicolazzo** and A. Nocera. How Covid affects users' interaction with Online Streaming Providers on Twitter. Social Network Analysis and Mining. 2023. 13.1 (2023): 134. doi: 10.1007/s13278-023-01143-3. Q2

12. M. Arazzi, **S. Nicolazzo** and A. Nocera. A Fully Privacy Preserving Solution for Behavioral Fingerprinting in IoT using Federated Learning and Homomorphic Encryption. *Information Systems Frontiers* (2023): 1-24, doi: 10.1007/s10796-023-10443-0. Q1

13. M. Arazzi, **S. Nicolazzo** and A. Nocera. A Novel IoT Trust Model Leveraging Fully Distributed Behavioral Fingerprinting and Secure Delegation. *Pervasive and Mobile Computing* (2024): 101889, doi: https://doi.org/10.1016/j.pmcj.2024.101889. Q1

14. Sameera K.M., **S. Nicolazzo**, M. Arazzi, A. Nocera, Rafidha Rehiman K. A., Vinod P., and M. Conti. Privacy-Preserving in Blockchain-based Federated Learning Systems. *Computer Communications* (2024). ISSN: 0140-3664, doi: https://doi.org/10.1016/j.comcom.2024.04.024. Q1

15. M. Arazzi, D. Arrikat, **S. Nicolazzo,** A. Nocera, Rafidha Rehiman K. A., Vinod P., and M. Conti. NLP-Based Techniques for Threat Intelligence. *Computer Science Review*. <mark>Under Revision</mark>.

16. **S. Nicolazzo,** A. Nocera and P. Witold. Service Level Agreements and Security Aspects: A Comprehensive Survey. *ACM Computing Surveys.* <mark>Under Revision</mark>.

17. M. Arazzi, **S. Nicolazzo,** A. Nocera. A Deep Reinforcement Learning Approach for Privacy Preserving Service Acquisition in the Internet of Things. *Journal of Information Security and Applications.* <mark>Under Revision</mark>

18. D. Arrikat, Vinod P., Rafidha Rehiman K.A., **S. Nicolazzo**, A. Nocera, G. Timpau, and M.Conti. OSTIS: a novel Organization-Specific Threat Intelligence System. *Computers & Security.* <mark>*Submitted for publication*</mark>.

19. D. Arrikat, M. Cihangiroglu, Rafidha Rehiman K.A, **S. Nicolazzo**, A. Nocera, and P. Vinod. SeCTIS: A Framework to Secure CTI Sharing. *IEEE Internet of Things Journal. In preparation*.

20. **S. Nicolazzo**, A. Nocera, and P. Vinod. CTI Crawling from Multiple Social Networks. *IEEE Transactions on Emerging Topics in Computing. In preparation*.

21. M. Arazzi, M. Cihangiroglu, D. Murer, **S. Nicolazzo**, and A. Nocera. Federated Distillation. *Engineering Applications of Artificial Intelligence. In preparation*.

Conferences

1. M. Arazzi, **S. Nicolazzo** and A. Nocera. KD*k*: A defense mechanism against Label Inference Attacks in Vertical Federated Learning. *In Proc. of the 27th International Symposium on Research in Attacks, Intrusions and Defenses (RAID 2024).* <mark>*Under Revision*</mark>.

2. A. Nair, **S. Nicolazzo**, A. Nocera, K. A. Rafidha Rehiman and P. Vinod. SoK: A Deep Dive into DevSecOps and Zero Trust. *In Proc. of the 17th ACM Workshop on Artificial Intelligence and Security (AISec 2024)*, July 30 – August 2, 2024. Vienna, Austria. <mark>*Under Revision*</mark>.

3. D. R. Arrikat, Vinod P., Rafidha Rehiman K. A**, S. Nicolazzo**, A. Nocera, and M. Conti. An SoK of Relation Extraction Techniques in Cyber Threat Intelligence. *In Proc. of the the 29th International Conference on Natural Language & Information Systems (NLDB 2024)*, June 25 – 27, 2024. Turin, Italy.

4. G. Quattrone, **S. Nicolazzo**, A. Nocera, D. Quercia, and L. Capra. Is the sharing economy about sharing at all? A linguistic analysis of Airbnb reviews. *In Proc. of International AAAI Conference on Web and Social Media (ICWSM 2018),* Palo Alto, California, USA, June 25-28, 2018.

5. 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),* Toulouse, France, Vol. 8541, 2014, pp. 410-419, doi: 10.1007/978-3-319-08245-5_26.

6. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Privacy-Preserving Solution for Tracking People in Critical Environments. *In Proc. of International Workshop on Computers, Software and Applications (COMPSAC'14)*, Vasteras, Sweden, July 21-25, 2014. pp. 146-151, doi: 10.1109/COMPSACW.2014.28.

7. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Model Implementing Certified Reputation and its Application to TripAdvisor. *In Proc. of International Conference on Availability, Reliability and Security (ARES 2015),* Toulouse, France, August 24-28, 2015, pp. 218-223, doi: 10.1109/ARES.2015.26.

8. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. Accountability-Preserving Anonymous Delivery of Cloud Services. *In Proc. of 12th International Conference on Trust, Privacy & Security in Digital Business (TrustBus2015),* Valencia, Spain, September 1-2, 2015. pp. 124-135, doi: 10.1007/978-3-319-22906-5_10.

9. 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).* Milan, Italy. November 14-16, 2016. pp. 719-724, doi: https://dx.doi.org/10.1007/978-3-319-48965-0_50.

10. F. Buccafurri, G. Lax, **S. Nicolazzo** and A. Nocera. Tweetchain: An Alternative to Blockchain for Crowd-Based Applications. *In Proc. of the International Conference on Web Engineering (ICWE 2017),* Rome, Italy. June 5-8, 2017, doi: https://doi.org/10.1007/978-3-319-60131-1_24.

11. F. Buccafurri, G. Lax, **S. Nicolazzo** and A. Nocera. Overcoming Limits of Blockchain for IoT Applications. *In Proc. of the 12th International Conference on Availability, Reliability and Security (ARES 2017)*. Reggio Calabria, Italy. August 29 - September 1, 2017, doi: 10.1145/3098954.3098983.

12. 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 2017 International Conference on Cyberworlds (CW2017).* Chester, United Kingdom. September 20-22, 2017, do: 10.1109/CW.2017.42.

13. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. Fortifying TripAdvisor against Reputation-System Attacks. *In Proc. of the World Congress on Internet Security (WorldCIS-2014)*, London, UK. December 8-10, 2014. pp. 21-22, doi: 10.1109/WorldCIS.2014.7028158.

14. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. Interest Assortativity in Twitter. *In Proc. of 12th International Conference on Web Information Systems and Technologies (WEBIST2016)*. Rome, Italy. April 23-25, 2016, pp. 239-246, doi: 10.5220/0005790602390246.

15. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Model to Support Multi-Social-Network Applications. *In Proc. of the International Conference on Ontologies, Databases and Applications of SEmantics (ODBASE '14)*, Amantea, Italy, October 27-31, 2014. Springer Berlin / Heidelberg, pp. 639-656, doi: 10.1007/978-3-662-45563-0_39.

16. F. Buccafurri, G. Lax, L. Fotia, **S. Nicolazzo**, and A. Nocera. A new approach for electronic signature. *In Proc. of 2nd International Conference on Information Systems Security and Privacy (ICISSP2016)*. Rome, Italy. February 19-21, 2016, pp. 440-447, doi:10.5220/0005743404400447.

17. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Middleware to Allow Fine-Grained Access Control of Twitter Applications. *In Proc. of International Conference on Mobile, Secure and Programmable Networking (MSPN'2016)*. Paris, France. June 1 - 3, 2016, doi: 10.1007/978-3-319-50463-6_14.

18. 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)*. Salzburg, Austria. August 31 - September 2, 2016, Vol. 9817, pp. 96-105, doi: 10.1007/978-3-319-45507-5_7.

19. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. (2016, December). Range query integrity in the cloud: the case of video surveillance. In 2016 11th International Conference for Internet Technology and Secured Transactions (ICITST) (pp. 170-175). IEEE, doi: 10.1109/ICITST.2016.7856691.

20. F. Buccafurri, G. Lax, **S. Nicolazzo,** A. Nocera, A. Matassa and L. 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),* Madrid, Spain. July 24-26, 2017, doi: 10.5220/0006475601020107.

21. 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 2014),* Sorrento Coast, Italy. June 16-18, 2014. pp. 37-44.

22. F. Buccafurri, G. Lax, L. Fotia, **S. Nicolazzo**, and A. Nocera. A lightweight electronic signature scheme using Twitter. *In Proc. of 23rd Italian Symposium on Advanced Database Systems (SEBD 2015),* Gaeta, Italy, June 14-17, 2015 pp. 160-167.

23. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. Completeness, Correctness and Freshness of Cloud-Managed Data Streams. *In Proc. of 24th Italian Symposium on Advanced Database Systems (SEBD* 2016). Ugento, Lecce, Italy. June 19-22, 2016. pp. 134-141.

24. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. Smart Communities and the Cloud: Security and Privacy Issues. *In Proc. of the 2nd CINI Annual Conference on ICT for Smart Cities & Communities (I-Cities 2016)*. Benevento, Italy. September 29 -30, 2016.

25. G. Lax, F. Buccafurri, **S. Nicolazzo**, A. Nocera and F. Ermidio. A system for privacy-preserving analysis of vehicle movements. *In Proc. of the 2nd EAI International Conference on ICT Infrastructures and Services for Smart Cities (IISSC2017)*. Brindisi, Italy. April 20-21, 2017, doi: 10.1007/978-3-319-67636-4_3.

26. 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),* Gratz, Austria, 2013. Springer Verlag. pp. 666-673, doi: 10.1007/978-3-642-41033-8_84.

27. F. Buccafurri, L. Fotia, G. Lax, **S. Nicolazzo** and A. Nocera Trust, Security and Privacy in Smart Cities. *I-CiTies 2015 CINI Annual Workshop on ICT for Smart Cities & Communities.* Palermo, Italy. October 29-30, 2015.

28. F. Buccafurri, G. Lax, **S. Nicolazzo** and A. Nocera. Range Query Integrity in Cloud Data Streams with Efficient Insertion. *In Proc. of the Italian Conference on Cybersecurity (ItaSec2017).* Venice, Italy. January 17-20, 2017.

29. 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 2nd EAI International Conference on ICT Infrastructures and Services for Smart Cities (IISSC2017).* Brindisi, Italy. April 20-21, 2017, doi: 10.1007/978-3-319-67636-4_7.

30. F. Buccafurri, G. Lax, **S. Nicolazzo**, and A. Nocera. A Model for Handling Multiple Social Networks and its Implementation. *In Proc. of 25th Italian Symposium on Advanced Database Systems (SEBD* 2017). Squillace Lido, Catanzaro, Italy. June 25-29, 2017.

31. F. Buccafurri, G. Lax, **S. Nicolazzo** and A. Nocera. (2018). Not Only Databases: Social Data and Cybersecurity Perspective. A Comprehensive Guide Through the Italian Database Research Over the Last 25 Years, 441-456, doi: 10.1007/978-3-319-61893-7_26.

32. F. Buccafurri, V. De Angelis, G. Lax, **S. Nicolazzo** and A. Nocera. (2018). 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, doi: 10.1016/B978-0-12-809633-8.20379-8.

33. E. Corradini, **S. Nicolazzo**, A. Nocera, L. Virgili, D. Ursino. Increasing protection and autonomy in IoT through a two-tier blockchain. *In Proc. of 29th Italian Symposium on Advanced Database Systems (SEBD* 2021). Pizzo Calabro, Vibo Valentia, Italy. September 5-9, 2021.

Book

34. E. Bellini, P. Ceravolo, E. Damiani, **S. Nicolazzo**, and S. Valtolina. Fondamenti di Informatica. Pearson Editore. 2024.