

UNIVERSITÀ DEGLI STUDI DI MILANO

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[Mattia Salnitri] CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	SALNITRI
NOME	MATTIA
DATA DI NASCITA	[26, 04, 1986]

Curriculum Vitae – Summary Mattia Salnitri

I am a **Research Assistant** at the Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB) of Politecnico di Milano where I collaborate with the Information System group doing research on data and computation movement in fog computing. Before I worked as **Research Assistant** at the Information Engineering and Computer Science Department of University of Trento, with the Software Engineering and Security group. I focused my research work on secure business process engineering and privacy assessment of socio-technical systems. I hold a Ph.D. in Computer Science (2016) and a M.Sc. in Computer Science (2011) from University of Trento.

My research focuses on secure business process engineering in socio-technical systems. In particular, I developed frameworks for the definition, assessment and enforcement of security requirements in business processes, which support security experts in all business process engineering phases. I am also interested in privacy assessment of large information systems, such as information systems of public administrations. I worked on the assessment of privacy requirements in order to facilitate companies and organizations to verify their compliance with privacy laws and regulations, such as the GDPR. In the last years, I focused my research on cloud computing and IoT, i.e. on how to optimize adaptation of fog infrastructures by moving data and computational tasks between cloud resources and edge devices.

I constantly collaborate with researchers of different computer science fields, since I prefer a multidisciplinary approach to research problems. When I was a Ph.D. student, I visited Imperial college (UK), Bournemouth University (UK) and SAP research center (DE).

I am an **associate editor** of the International Journal of Information Security and Privacy (IJISP) and **PC member** of more than 5 international workshops and conferences. I'm a **reviewer** of more than 15 conferences and workshops. I participated as speaker to more than 10 international scientific conferences and organized a tutorial at the Requirement Engineering (RE) conference in

2016. I'm one of the creators and part of the PC chairs of NeGIS¹, a workshop co-located with CAiSE conference.

I published **5 international journals papers**, including Requirement Engineering Journal [REJ] and Software and System Modeling [SoSym], **19 conferences papers** and **1 book chapter**. All publications have been peer reviewed. As of April 2020, I have **339 citations and h-index 10** according to Google Scholar, **189 citations and h-index 8** according to Scopus (checked 9/04/2020).

I participated to **4 European founded projects** (DITAS, PACAS, VisiOn, Aniketos) and part of my Ph.D. scholarship was founded by and ERC (Lucretius). In particular, I participated in VisiOn and PACAS projects as Work Package leader.

I teach **courses about Software Engineering and Information Systems**. In particular, I teach the course of Software Technologies a BSc course on introduction on information systems at Politecnico di Milano. I was a teaching assistant at University of Trento for the courses of Software Engineering, Organizational Information Systems and Agent Oriented Software Engineering, while at Politecnico di Milano I am a teaching assistant for the courses of Information Systems and Software Engineering.



Mattia Salnitri

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Nationality Italian

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ORCID <https://orcid.org/0000-0002-9736-2774>

SUMMARY

My main research interests are related to secure business process engineering. In particular I'm interested on how to facilitate security experts and domain experts in the definition of business process that can be considered secure. I'm also very interested in the privacy assessment of large socio technical systems, especially for what concerns the verification of the correct enforcement of requirements determined by privacy laws, such as the GDPR, using business processes and goal-based modelling languages.

¹ <https://www.negis.polimi.it>

ACADEMIC POSITIONS

Postdoctoral Research Fellow

Politecnico di Milano – Milan (Italy)

September 2017 - Current

I work in the Information System group of the department of Electronic, Computer science and Bioengineering (DEIB). I focus my research work on the definition of methods for the automated decision of data movement strategies in fog computing. I participate in a European founded project called DITAS (<https://www.ditas-project.eu>).

Postdoctoral Research Fellow

University of Trento – Trento (Italy)

May 2016 – September 2017

I collaborated with other researchers, both from industries and academia, on research topics related to privacy and security in complex socio-technical systems. In particular I was focused on the assessment of privacy and security requirement in business processes.

Ph.D. Candidate

University of Trento – Trento (Italy)

September 2011 – April 2016

I focused my research on the engineering of secure business processes. In particular, I worked on the automated generation of business processes from goal-based modelling languages and how to enforce security requirements in the business processes and in the implementation that can be derived from them.

CURRENT RESEARCH FOCUS

My research work focuses on software engineering and information system research fields. In particular the main objective consists in helping experts to address the management of complex and large socio-technical systems.

Data movement of fog computing

My research focuses on enhancing the management of resources and data in fog computing. I created a framework that optimizes the usage resources of fog computing by moving data and computational task in the best host possible, based on users' requirements. In particular I extended a goal-based modeling language and reasoning techniques to specify adaptation criteria and chose the best adaptation based on strategies defined by users.

Socio-technical engineering: behavioral requirements in socio-technical systems

Socio-technical systems are systems composed by autonomous technical and social components (people and organizations) that interact with each other to achieve common objectives. My research, on this topic, consists in exploring and defining how to integrate human properties in the design of socio-technical systems, reshaping software engineering processes into socio-technical engineering ones. In particular, I envisioned the definition of a top tier type of requirements for behaviors of people (i.e., behavioral requirements), that will impact on the actual process of engineering socio-technical systems.

Privacy, data minimization and fairness

My research work addresses privacy issues from different perspectives. I have created frameworks that helps privacy experts to automatically assess large socio-technical systems and to verify if privacy requirements derived from privacy laws, such as the new General Data Protection

Regulation (GDPR), are correctly enforced. Furthermore, I created another framework to address the possible conflicts between data minimization fairness (two common privacy requirements) and other security and privacy requirements. Ongoing research work consists in generalizing the approach for the creation of a framework that will help privacy experts to design and assess privacy in socio-technical systems.

Secure Business process engineering

In my research I am proposing a framework that assists security experts and domain experts to design and implement secure business processes. The framework covers most of the software engineering phases: from the definition of security requirements, until the creation of software that automatically enforces such requirements. Ongoing work consists in the extension of the modelling languages used, enhance of the performance of the automated part of the framework, enforcement of security requirements using blockchain technology.

RESEARCH ACTIVITIES

Participation to international projects

- **DITAS** (<https://www.ditas-project.eu>). Data intensive application improvement by moving data and computation in mixed cloud/fog environment (2017- 2020). I collaborated with the consortium to define an automated framework for the decision of the adaptation mechanism to enact in order to maximize requirement of users.
- **PACAS** (<http://www.pacasproject.eu>). Participatory Architectural Change Management in ATM Systems (2016 - 2017). I coordinated a work package to create of a platform for helping decision makers to understand impact of changes from different perspectives in Air Traffic Management (ATM) systems.
- **VisiOn** (<http://www.visioneuproject.eu>). Increase citizen awareness on privacy (2016 - 2017). I coordinated a work package to create a framework for the design of complex socio-technical systems aligned with privacy requirements define by their stakeholders.
- **Aniketos** (<http://www.aniketos.eu>). Ensuring trustworthiness and security in service compositions (2011- 2014). I collaborated with the partners of the Aniketos consortium to create a framework for the automated verification of security policies in business processes.
- **Lucretius** (<http://www.lucretius.eu>). Foundation for software evolution (2011- 2015). I collaborated with other researchers of the Software Engineering group in University of Trento, to define a framework for designing secure business processes for socio-technical systems.

Research collaborations

- Prof Julius Köpke of **University of Klagenfurt**, Dr. Giovanni Meroni of **Politecnico di Milano**: joint research work on enforcement of security requirements specified in business processes using blockchain technology.
- Prof, John McAlaney, Prof. Raian Ali of **University of Bournemouth**, United Kingdom: joint research work for the enforcement of security and privacy requirements using psychology.
- Prof. Timothy Storer, William Wallis of **University of Glasgow**, United Kingdom: joint research work for the generation of realistic, security critical log traces.
- Pierluigi Plebani, Monica Vitali of **Politecnico di Milano**, Italy: joint research work in the field of data and computation movement in fog computing [9].
- Prof. Nicola Zannone, Mahdi Alizadeh **Eindhoven University of Technology**, Netherlands: joint research work in the field of identification of security-critical execution of business processes [20].
- Prof Haralambos Mouratidis, Prof Michalis Pavlidis, **University of Brighton**, United Kingdom and Vasiliki Diamantopoulou of **University of the Aegean**, Greece: joint research on the field of privacy assessment in large socio-technical systems [7,13].
- Prof. Jan Jürjens, Qusai Ramadan **University of Koblenz-Landau**, Germany and Daniel Strüber of **Chalmers University of technology**, Sweden: joint research in the field of privacy [5,10,12].
- Prof. Achim Bruker – **The University of Sheffield**, UK: joint research in the field of enforcement of security and privacy requirements [16].

- Prof. Paolo Giorgini, Elda Paja, Marco Robol of **University of Trento**, Italy: joint research work in the field of privacy and security assessment of business processes and goal models [4, ,6, 8].

ORGANIZATION AND PARTICIPATIONS TO INTERNATIONAL CONFERENCES

Event organized (PC Chair)

- **Next Generation Information Systems: Modeling, Monitoring and Management in Cloud and Fog Computing** (NeGIS 2020) (Grenoble– France). Workshop co-located with CAiSE 2020.

Speaker in international conferences

- **RE 2019** (Jeju – South Korea) (Half day tutorial). Title: Strategies for data and computation movements in fog computing
- **CAiSE 2018** (Tallin) Title: Fog Computing and Data as a Service: A Goal-Based Modeling Approach to Enable Effective Data Movements.
- **CAiSE Forum 2018** (Tallin). Title: From Security-by-Design to the Identification of Security-Critical Deviations in Process Executions.
- **RE 2016** (Beijing) (Full day tutorial). Title: Security Requirement Engineering
- **ISACA 2016** (Trento). Title: Security and Privacy: a Risk Management Tool
- **BPMDS 2015** (Stockholm). Title: From Secure Business Process Models to Secure Artifact-Centric Specifications
- **CAiSE Forum 2015** (Stockholm). Title: STS-Tool 3.0: Maintaining Security in Socio-Technical Systems
- **BPMDS 2014** (Thessaloniki). Title: Modeling and Verifying Security Policies in Business Processes
- **IStar 2014** (Thessaloniki). Title: Transforming Socio-Technical Security Requirements in SecBPMN Security Policies
- **SHCPS 2014** (Bologna). Title: Modeling and Verification of ATM Security Policies with SecBPMN
- **CooPIS 2012** (Rome). Title: Aligning Service- Oriented Architectures with Security Requirements

Associate Editor

- 2019-2020 International Journal of Information Security and Privacy [IJISP] Journal

Program Committee Service

- 2020 International conference on Research Challenges in Information Science [RCIS]
- 2020 International working conference on Exploring Modeling Methods for Systems Analysis and Development [EMMSAD]
- 2020 International Workshop on Artificial Intelligence and Requirements Engineering [AIRE]
- 2020 International Workshop on Evolving Security & Privacy Requirements Engineering [ESPRE]
- 2019-2020 International Journal of Information System Modeling and Design [IJISMD]
- 2019 Strategic Modeling and Reasoning meets Process Mining Workshop [SMRPM]
- 2019-2020 BPM demo
- 2019 DAMove-2019 workshop
- 2018 International Workshop on Petri Nets and Software Engineering [PNSE]
- 2017-2019 SECurity and Privacy Requirements Engineering [SECPRE]
- 2017 International Workshop on Requirements Prioritization and Enactment [Priore]
- 2016 - 2019 Federated Conference on Computer science and Information Systems [FedCSIS]
- 2015 Workshop on Methodologies for Robustness Injection into Business Processes [MRI-BP]

Reviewer service for international journal and conferences

- 2019 IEEE Access Journal
- 2019 IEEE Computer Journal [Comp.J.]
- 2019 Journal of Web Engineering [JWE]
- 2019 Technology in Society Journal [TIS]
- 2019 Sustainability Journal
- 2019 Social and New Technology Challenges of Sustainable Business
- 2018-2019 International Conference on Lean and Agile Software Development [LASD]
- 2018 Journal of Software: Evolution and Process [JSME]
- 2017-2018 Business & Information Systems Engineering [BISE] Journal
- 2017-2018 Journal of Systems and Software [JSS] Journal
- 2018 International Conference on Sensor Networks and Signal Processing [SNSP]
- 2017-2018 International Journal of Information Security and Privacy [IJISP] Journal
- 2015-2016 International Conference on Advanced Information Systems Engineering [CAiSE]
- 2016 Conference on Cooperative Information Systems [CoopIS]
- 2016 International Conference on Conceptual Modelling [ER]
- 2014-2016 International Conference on Research Challenges in Information Science [RCIS]
- 2016 International Conference On Trust, Security And Privacy In Computing And Communications [TrustCom]
- 2015 International Workshop on Requirements Engineering and Law [RELAW]
- 2015 Security&Privacy (IEEE magazine)
- 2015 International conference on Service Oriented Computing and Applications [SOCA]
- 2014 International Conference on Service-Oriented Computing [ICSOC]
- 2014 Transaction on software engineering
- 2013-2014 IStar workshop

VISITING PERIODS

Bournemouth University, Bournemouth (UK)

February 2020 (2 Weeks)

I will visit the Department of Computing and Informatics where I will give seminars and bootstrap a collaboration on the enforcement of security and privacy requirements using psychology.

SAP Research Center, Karlsruhe (DE)

October 2014 (1 month)

I collaborated with security experts for the creation of a framework for the generation of part of implementation code from secure business processes diagrams. With this experience, I increase my knowledge on business processes and script languages for business artefacts.

Imperial College London, London (UK)

September – October 2013 (2 months)

I worked with researchers and other Ph.D. students for the automated generation of policies for a policy enforcement point (PEP). The collaboration with researches of the Imperial College allowed me to learn other research methods and to study formal frameworks and PEP languages.

Bournemouth University, Bournemouth (UK)

August 2012 (1 month)

I collaborated with researchers for the definition of the generation of business processes from social and organizational aspects of complex socio-technical systems. With this experience, I deepen my knowledge on goal-based modelling languages and research methods.

TEACHING ACTIVITIES

Tutorials

- **Security Requirement engineering** (Jeju-Republic of South Korea, 2019/09/24). I co-organized and co-presented a 3 hours tutorial during RE19 conference.
- **Security Requirement engineering** (Beijing-China, 2016/09/13). I co-organized and co-presented a 6 hours tutorial during RE16 conference.

Courses

- **Digital Technologies** Politecnico di Milano, 2019/2020.

Teaching assistant

- **Software Engineering – prova finale** 12 hours, Prof. Pierluigi San Pietro (Politecnico di Milano, 2018/2019, 2019/2020).
- **Software Engineering** 28 hours, Prof. Pierluigi San Pietro (Politecnico di Milano, 2018/2019, 2019/2020).
- **Service and Process Design** 8 hours, Prof. Pierluigi Plebani (Politecnico di Milano, 2018/2019)
- **Information Systems** 20 hours, Prof. Pierluigi Plebani (Politecnico di Milano, 2017/2018, 2018/2019, 2019/2020).
- **Information Systems** 20 hours, Monica Vitali (Politecnico di Milano, 2017/2018, 2018/2019, 2019/2020).
- **Organizational Information Systems** 42 hours, Prof. Paolo Giorgini (University of Trento, 2016/2017).
- **Software Engineering II** 30 hours, Prof. Fabio Casati (University of Trento, 2016/2017).
- **Organizational Information Systems** 8 hours, Prof. Elda Paja (University of Trento, 2014/2015, 2015/2016).
- **Agent Oriented Software Engineering** 10 hours, Prof. Paolo Giorgini (University of Trento, 2012/2013).

Thesis co-supervision

- Michele Cantarutti (2019) MSc computer science – Politecnico di Milano. *Improving relational database replication with GlusterFS in fog environments.*
- Alessandro Mandelli (2019) MSc computer science – Politecnico di Milano. *Analysis of data movement and computation movement with Spark for fog environments*
- Michele Grisafi (2018) BSc computer science – University of Trento. *Predizione di errori in Business Processes – Utilizzo della history log e del machine learning per una predizione efficace.*
- Roberto Passatempo (2017) BSc computer science – University of Trento. *Analisi del rischio: il passaggio da un modello socio-organizzativo ad un modello tecnico-procedurale*
- Luca Rospocher (2017) BSc computer science – University of Trento. *Risk Analysis of Socio-Technical Systems*
- Giovanni Rafael Vuolo (2017) BSc computer science – University of Trento. *Security and Risk Analysis in Business Processes: an extension of the SecBPMN2 Tool with CORAS methodology*
- Giovanni Maria Riva (2017) BSc computer science – University of Trento. *Definizione e analisi di meta-policy per la verifica automatizzata della compliance di business process*
- Daniele Giovanella (2017) BSc computer science – University of Trento. *Verifica della gestione del consenso: identificazione delle deviazioni di esecuzione di processi tramite log*
- Nicola Gilberti (2017) BSc computer science – University of Trento. *Il trattamento dei dati personali nei social network: applicazione del metodo STS al caso Facebook*
- Enrico Testori (2016) BSc computer science – University of Trento. *Scaling dinamico di microservizi*
- Marco Robol (2016) MSc computer science – University of Trento. *An Implicit Negotiation Approach for a Multi-Agent Simulation of Human-Like Coordination Mechanisms*
- Andrea Cristiano (2016) BSc computer science – University of Trento. *Privacy and Social Networks*
- Muluken Demis Ashagrie (2015) MSc computer science – University of Trento. *Enforcement of social/organizational security requirements: an air traffic management case study*
- Brian Kimose (2015) MSc computer science – University of Trento. *Modeling and analyzing ISO/IEC 27002 Standard with STS and SecBPMN2 frameworks*

PUBLICATIONS

Book chapters

1. Erkuden Rios, Francesco Malmignati, Eider Iturbe, Michela D'Errico and *Mattia Salnitri* **From Consumer Requirements to Policies in Secure Services**. In *Secure and Trustworthy Service Composition: The Aniketos approach*. Pages 79 - 94, 2014.

International journals

2. Qusai Ramadan, Daniel Strüber, *Mattia Salnitri*, Jan Jürjens, Volker Riediger, Steffen Staab. **A Semi-Automated BPMN-based Framework for Detecting Conflicts between Security, Data-Minimization and Fairness Requirements**. *International Journal of Information System Modeling and Design*, 2019.
3. *Mattia Salnitri*, Konstantinos Angelopoulos, Michalis Pavlidis, Vasiliki Diamantopoulou, Haralambos Mouratidis, Paolo Giorgini. **Analysing the Interplay of Security, Privacy and Trust in Sociotechnical Systems: A Computer-Aided Design Approach**. *Software and System modelling*, 2019.
4. Jennifer Horkoff, Fatma Başak Aydemir, Evellin Cardoso, Tong Li, Alejandro Maté, Elda Paja, *Mattia Salnitri*, Luca Piras, John Mylopoulos, Paolo Giorgini. **Goal-Oriented Requirements Engineering An Extended Systematic Mapping Study**. *Requirement Engineering Journal*. Pages 1-28, 2017.
5. Jennifer Horkoff, Tong Li, Feng-Lin Li, *Mattia Salnitri*, Evellin Cardoso, Paolo Giorgini and John Mylopoulos. **Using goal models down-stream: A systematic roadmap and literature review**. *International Journal of Information System Modeling and Design*. Pages 1 - 42, 2015.
6. *Mattia Salnitri*, Fabiano Dalpiaz and Paolo Giorgini. **Designing secure business processes with SecBPMN**. *Software & Systems Modeling*. Pages 1 - 21, 2015.

International conferences

7. Marco Robol, Elda Paja, *Mattia Salnitri*, and Paolo Giorgini **Modeling and reasoning about privacy-consent requirements**. In *IFIP Working Conference on The Practice of Enterprise Modeling (POEM)* Pages 238-254. 2018
8. Pierluigi Plebani, *Mattia Salnitri*, Monica Vitali. **Fog Computing and Data as a Service: A Goal-Based Modeling Approach to Enable Effective Data Movements**. In *International Conference on Advanced Information Systems Engineering (CAiSE)* Pages 203-219. 2018
9. Qusai Ramadan, Daniel Struber, *Mattia Salnitri*, Volker Riediger and Jan Jürjens. **Detecting Conflicts Between Data-Minimization and Security Requirements in Business Process Models**. In *European Conference on Modelling Foundations and Applications*. Pages 179-198. Springer, Cham. (2018).
10. Marco Robol, *Mattia Salnitri*, Paolo Giorgini. **Toward GDPR-Compliant Socio-Technical Systems: modeling language and reasoning framework**. In *IFIP Working Conference on The Practice of Enterprise Modeling (POEM)* Pages 236-250. 2017
11. Qusai Ramadan, *Mattia Salnitri*, Daniel Strüber, Jan Jürjens and Paolo Giorgini. **From Secure Business Process Modeling to Design-Level Security Verification**. To appear in proceedings of International Conference on Model Driven Engineering Languages and Systems. 2017
12. Konstantinos Angelopoulos, Vasiliki Diamantopoulou, Haralambos Mouratidis, Michalis Pavlidis, *Mattia Salnitri*, Paolo Giorgini, Jose R. Ruiz. **A Holistic Approach for Privacy Protection in E-Government**. In proceeding of International Conference on Availability, Reliability and Security (ARES). Pages 17-27, 2017.
13. Mohamad Gharib, *Mattia Salnitri*, Elda Paja, Paolo Giorgini, Haralambos Mouratidis, Michalis Pavlidis, Jose F. Ruiz, Sandra Fernandez, Andrea Della Siria. **Privacy Requirements: Findings and Lessons Learned in Developing a Privacy Platform**. In proceedings of Requirement Engineering (RE), Pages 256-265, 2016.
14. Jennifer Horkoff, Fatma Basak Aydemir, Evellin Cardoso, Tong Li, Alejandro Mate, Elda Paja, *Mattia Salnitri*, John Mylopoulos, Paolo Giorgini. **Goal-Oriented Requirements Engineering: A Systematic Literature Map**. In proceedings of Requirement Engineering (RE), Pages 106-115, 2016.
15. *Mattia Salnitri*, Achim Brucker and Paolo Giorgini. **From Secure Business Process Models to Secure Artifact-Centric Specifications**. In proceeding of Business Process Modeling Development and Support (BPMDS) working conference. Pages 246 - 262, 2015.
16. Jennifer Horkoff, Tong Li, Feng-Lin Li, *Mattia Salnitri*, Evellin Cardoso, Joao Pimentel, Paolo Giorgini and John Mylopoulos. **Taking Goal Models Downstream: A Systematic Roadmap**. In proceeding of Research

- Challenges. In proceedings of Information Science (RCIS) conference. Pages 1 - 12, 2014.
17. **Mattia Salnitri**, Fabiano Dalpiaz and Paolo Giorgini. **Modeling and Verifying Security Policies in Business Processes**. In proceeding of Business Process Modeling Development and Support (BPMDS) working conference. Pages 200 - 214, 2014.
 18. **Mattia Salnitri**, Fabiano Dalpiaz and Paolo Giorgini. **Aligning Service- Oriented Architectures with Security Requirements**. In proceeding of On The Move (OTM) conference. Pages 232 - 249, 2012.

International workshops and forums

19. **Mattia Salnitri**, Mahdi Alizadeh, Daniele Giovanella, Nicola Zannone and Paolo Giorgini. **From Security-by-Design to the Identification of Security-Critical Deviations in Process Executions**. In *International Conference on Advanced Information Systems Engineering (CAISE) Workshop* Pages 218-234. 2018
20. **Mattia Salnitri**, Elda Paja and Paolo Giorgini. **Maintaining Se-cure Business Processes in Light of Socio-Technical Systems Evolution**. To appear in proceeding of Model-Driven Requirement Engineering (MoDRE) workshop, Pages 155-164, 2016.
21. **Mattia Salnitri**, Elda Paja, Mauro Poggianella and Paolo Giorgini. **STS-Tool 3.0: Maintaining Security in Socio-Technical Systems**. In proceeding of Conference on Advanced Information System Engineering (CAiSE) Forum 2015, Pages 205-212, 2015
22. **Mattia Salnitri**, Elda Paja and Paolo Giorgini. **Preserving compliance with security requirements in socio-technical systems**. In *Cyber Security and Privacy*. Pages 49 61, 2014.
23. **Mattia Salnitri**, Paolo Giorgini. **Transforming Socio-Technical Security Requirements in SecBPMN Security Policies**. In proceeding of IStar workshop 2014.
24. **Mattia Salnitri**, Paolo Giorgini. **Modeling and Verification of ATM Security Policies with SecBPMN**. In proceeding of Security and High Performance Computing and Systems (SHCPS) workshop. Pages 588 - 591, 2014.

EDUCATION

Ph.D. In Computer Science

University of Trento – Trento (IT)

September 2011 – April 2016

Thesis: Secure Business Process Engineering: A Socio-Technical Approach.

Advisor: Prof. Paolo Giorgini.

Master in Computer Science

University of Trento – Trento (IT)

March 2009 – September 2011

Thesis: A Commitment Based Approach for Service Agreement Specification: Modeling Language and Methodology.

Advisor: Prof. Paolo Giorgini.

Bachelor in Computer Science

University of Trento – Trento (IT)

October 2005 – March 2009

Thesis: JamClass: an extensible course management tool.

Advisor: Prof. Fabio Casati.

PERSONAL SKILLS

Language

- Mother tongue: Italian
- Other language: English

Organizational / managerial skills:

- Good team work skills acquired with collaborations with researchers for publications of papers and with European project partners.
- Managerial skills acquired with the coordination of international teams, such as partners for PACAS, VisiOn and Aniketos European projects, and with the collaboration and supervision of students, Ph.D. candidates and developers of University of Trento.
- Intercultural skills gained during my university career, where I collaborated with researchers coming from all over the world.

Relevant skills:

- I am a BPMN 2.0 expert, I deeply know the standard. I created an extension of BPMN 2.0 for security and formalized it. The work was published in research papers.
- I am a goal-based modelling languages expert, I published several papers on the argument, including three papers on surveys of goal-based modelling languages.
- I am a Java developer. I also have a good knowledge on many programming languages, among them JavaScript, Node.js, C, C++, PHP, HTML, XML, XSD, CSS, Python, Ocaml, Pascal.
- I have a good knowledge on organization and management of European Projects, since I participated with University of Trento and Politecnico di Milano to four European projects: DITAS, Aniketos, VisiOn and PACAS. In particular, in VisiOn and PACAS I was the work package leader.

Data

16/04/2020

Luogo

Milano