



Silvio Meneguzzo

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ABOUT MYSELF

I am a PhD Candidate in Blockchain and Distributed Ledger Technologies, combining academic research (University of Turin) with industrial R&D (Links Foundation). My research focuses on data marketplaces (with emphasis on the energy domain), DAOs and governance sustainability, and privacy-preserving cryptographic techniques. I have practical experience in full-stack and blockchain development, project leadership in European initiatives, and community organisation.

WORK EXPERIENCE

Fondazione LINKS – Torino, Italy

City: Torino | Country: Italy

Blockchain Researcher & Developer

[01/12/2022 – Current]

- Research on blockchain-based data marketplaces focusing on privacy, trust and interoperability.
- Contribution to European projects (EU-DREAM, DataCellar, eFORT, B4A).
- Integration of IDSA connectors and SSI solutions; collaboration with university partners on prototypes and publications.
- Achievements: contributed to peer-reviewed papers and project demonstrators.

Tradenet – Schio, Italy

City: Schio | Country: Italy

Software Engineer

[01/07/2022 – 01/11/2022]

- Development of blockchain applications on Commercio.network (Cosmos SDK).
- R&D on smart contract security and distributed systems; system maintenance and deployment.

Infineon Technologies – Padova, Italy

City: Padova | Country: Italy

Product Engineer

[07/01/2021 – 31/07/2021]

- Designed and implemented a cloud test executor for microcontroller test data exchange across sites.
- Produced technical documentation and presentations for international engineering teams.

Sopra Steria – Milan, Italy

City: Milan | Country: Italy

Business Consultant

[01/01/2018 – 01/01/2019]

Requirements analysis and support for omnichannel solutions in finance and retail; stakeholder coordination.
Main Clients: Armani (Omnichannel strategy specialist) and A2A (Open innovation)

 **Red Babel** – Amsterdam, Netherlands

City: Amsterdam | Country: Netherlands

Project coordinator

[07/01/2017 – 01/06/2017]

(short project) Main activities: managed a team of seven developers; led development of a Monolith SDK for Meteor/Rocket.Chat integration.

EDUCATION AND TRAINING

PhD in Blockchain and Distributed Ledger Technology

National PhD Program ISAS (University of Turin - University of Camerino) [01/12/2022 – Current]

City: Torino | Country: Italy | Website: <https://isas.unicam.it/dni/blockchain-and-DLT> | Field(s) of study: Information and Communication Technologies (ICTs): • Software and applications development and analysis

- Joint National Programme: University of Camerino, University of Turin, LINKS Foundation
- Visiting researcher: Brunel University London (2024–2025).
- Research topics: energy data marketplaces, DAO governance & sustainability, ZK proofs / MPC / FHE.

Master degree

University of Padova [01/09/2019 – 01/11/2021]

City: Padova | Country: Italy | Website: <https://www.unipd.it/en/educational-offer/second-cycle-degree/engineering?tipo=LM&scuola=IN&ordinamento=2025&key=IN2898> | Field(s) of study: Information and Communication Technologies (ICTs): • Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs) | Thesis: design and implementation of a cloud-based test executor for microcontroller algorithms (in collaboration with Infineon)

Bachelor degree

University of Padova [01/09/2015 – 01/03/2019]

City: Padova | Country: Italy | Website: <https://informatica.math.unipd.it/laurea/> | Field(s) of study: Natural sciences, mathematics and statistics: • Mathematics • Inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics

high school certificate

Liceo Scientifico Nicolò Ttron [01/09/2010 – 01/08/2015]

City: Schio | Country: Italy | Website: <https://www.liceischio.edu.it/> | Field(s) of study: Natural sciences, mathematics and statistics: • Mathematics

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

SKILLS

Programming & development

JavaScript / Solidity / Go / Python / C/C++ / Rust / SQL

Blockchain & DLT

Cosmos SDK / Solidity (smart contracts) / Hyperledger Fabric / Ocean Protocol / IDSA connectors

Software engineering & tools

Node.js / React / Git / CI/CD basics / AWS (foundational)

Research & analysis

Academic writing (LaTeX) / data privacy & GDPR knowledge / quantitative methods

CONFERENCES & SEMINARS

[11/10/2023 – 13/10/2023] Paris

Integrating a DLT-Based Data Marketplace with IDSA for a Unified Energy Dataspace: Towards Silo-Free Energy Data Exchange within GAIA-X Paper Presentation at [2023 5th Conference on Blockchain Research & Applications for Innovative Networks and Services \(BRAINS\)](#)

Link: <https://doi.org/10.1109/BRAINS59668.2023.10316796>

[26/06/2023 – 30/06/2023] Torino, Italy

Exploring the Potential of Energy Data Marketplaces: an Approach based on the Ocean Protocol Paper Presentation at [2023 IEEE 47th Annual Computers, Software, and Applications Conference \(COMPSAC\)](#)

Link: <https://doi.org/10.1109/COMPSAC57700.2023.00229>

[01/01/2024 – 01/01/2024] CRC Press

Enabling Citizen Sustainable Behaviors in Urban Mobility through Blockchain and Tokenization Book Chapter in book: [Blockchain Technology in the Automotive Industry](#)

Link: <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003450306-17/enabling-citizen-sustainable-behaviors-urban-mobility-blockchain-tokenization-silvio-meneguzzo-elvis-gerardin-konjoh-selabi-alfredo-favenza-valentina-gatteschi-claudio-schifanella>

[02/07/2024 – 04/07/2024] Osaka, Japan

Shaping the Future of Energy Markets: Federated Systems and Blockchain Synergy Paper Presentation at [2024 IEEE 48th Annual Computers, Software, and Applications Conference \(COMPSAC\)](#)

Link: <https://doi.org/10.1109/COMPSAC61105.2024.00324>

[05/05/2023 – 05/05/2023] Bologna, Italy

Blockchain for Data Marketplace: Enhancing Security, Privacy, and Trust Seminar Presentation with [dltgroup.it](#)

Link: https://scholar.google.com/citations?view_op=view_citation&hl=it&user=cFT2URcAAAAJ&citation_for_view=cFT2URcAAAAJ:d1gkVwhDpl0C

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

Design and Evaluation of a Sub-8 Second Decentralised Marketplace for Energy Data Paper Presentation at [2025 IEEE 49th Annual Computers, Software, and Applications Conference \(COMPSAC\)](#)

Link: <https://doi.org/10.1109/COMPSAC65507.2025.00233>

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

A Blockchain-Powered Digital Twin Architecture for Consumer-Centric Energy Systems Paper Presentation at [2025 IEEE 49th Annual Computers, Software, and Applications Conference \(COMPSAC\)](#)

Link: <https://doi.org/10.1109/COMPSAC65507.2025.00234>

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

A Game-Theoretic Incentive Model for DAO Governance Paper Presentation at [2025 IEEE 49th Annual Computers, Software, and Applications Conference \(COMPSAC\)](#)

Link: <https://doi.org/10.1109/COMPSAC65507.2025.00232>

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

Making Smart Contracts Easier To Understand Contributing to this paper for [2025 IEEE 49th Annual Computers, Software, and Applications Conference \(COMPSAC\)](#)

Link: <https://doi.org/10.1109/COMPSAC65507.2025.00238>

[15/04/2025 – 15/04/2025] IEEE Open Journal of the Computer Society - Submitted

Evaluating DAO Sustainability and Longevity Through On-Chain Governance Metrics

Link: <https://arxiv.org/abs/2504.11341>

NETWORKS & MEMBERSHIPS

[22/05/2025 – 22/05/2025] Torino

Invited Speaker Invited Speaker at CryptO SERICS Workshop

Link: <https://www.polito.it/ateneo/comunicazione-e-ufficio-stampa/appuntamenti/news?idn=25869>

[08/09/2023 – 08/09/2023] Bruxelles, Belgium

Invited Speaker Presentation of the IoT-DLT-AI Technological Convergence

Link: <https://www.youtube.com/watch?v=yvKQwosij3s>

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

Workshop Chair Workshop Chair for **IEEE International Workshop on Blockchain and Distributed Ledger Technologies (BlockDLT 2025)**

Link: <https://ieeecompsac.computer.org/2025/blockdlit/>

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

Workshop Chair Workshop Chair for IEEE Mentorium 2025: Building Blocks for Researchers

Link: <https://ieeecompsac.computer.org/2025/mentorium/>

[01/10/2024 – 01/10/2024] Coruña, Spain

Invited partner Invited as a visiting researcher to foster international collaboration on advanced DLT-based solutions at **CITIC International Research Projects Week, Universidade da Coruña**

Link: <https://citic.udc.es/en/international-projects-week-concludes-at-citic-with-focus-on-future-opportunities-in-europe/>

[08/07/2025 – 11/07/2025] Toronto, ON, Canada

Symposium Chair One of the Symposium Chairs, contributing to the planning of SRS activities, fostering collaboration among student researchers.

Link: <https://ieeecompsac.computer.org/2025/srs/>

[01/07/2025 – 01/07/2025] Torino

Workshop Chair Workshop Chair in event: Hands-on Ethereum Workshop with Austin Griffith (BuidlGuidl). In partnership with Politecnico di Torino, University of Turin and Links Foundation.

Link: <https://luma.com/jgtzi82w>

VOLUNTEERING

[01/01/2018 – Current] Schio

TEDxSchio organiser & licensee

Link: <https://www.ted.com/profiles/10204915/about>

[01/01/2019 – 01/01/2023] Padova

Startup Grind Padova Chapter Director

Link: <https://www.startupgrind.com/>

HONOURS AND AWARDS

[20/09/2024] IOTA Foundation

IOTA Hackathon 3rd place (Cagliari 2024)

Link: <https://dlt-school.github.io/>

[01/01/2023] Ocean Protocol

Ocean Protocol Ambassador