



## ● EDUCATION AND TRAINING

01/11/2022 – CURRENT Rome, Italy

**PH.D - COMPUTER SCIENCE** Spienza university of Rome

Website <https://www.uniroma1.it> | Level in EQF EQF level 8

01/09/2020 – 19/10/2022 Rome, Italy

**MASTER'S DEGREE - COMPUTER SCIENCE** Spienza university of Rome

Website <https://www.uniroma1.it> | Level in EQF EQF level 7

01/09/2017 – 10/12/2020 Rome, Italy

**BACHELOR'S DEGREE, INFORMATICA** Spienza university of Rome

Website <https://www.uniroma1.it> | Level in EQF EQF level 6

## ● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

## ● DIGITAL SKILLS

C Language | C++ Language | Go Language | C# Language | Java Language | Python Language | SQL | Javascript Language | PHP Language

## ● FIELDS OF INTREST

**Confidential Computing**

**Trusted Execution Environments**

**Distributed Systems**

**Distributed Ledger Technologies**

**Business Process Management**

**Information Systems**

## ● PUBLICATIONS

2024

**[CONFINE: Preserving Data Secrecy in Decentralized Process Mining](#)**

In Doctoral Consortium and Demo Track 2024 at the International Conference on Process Mining 2024 co-located with the 6th International Conference on Process Mining, CEURWS.org

Valerio Goretti, Davide Basile, Luca Barbaro, and Claudio Di Ciccio

Link <https://github.com/Process-in-Chains/CONFINE>

2024

**[Trusted Execution Environment for Decentralized Process Mining](#)**

In Advanced Information Systems Engineering CAiSE 2024, Proceedings

Valerio Goretti, Davide Basile, Luca Barbaro, and Claudio Di Ciccio

2023

### **A blockchain-driven architecture for usage control in solid**

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In 43rd International Conference on Distributed Computing Systems Workshops (ICDCSW), pp. 19-24. IEEE, 2023

Davide Basile, Claudio Di Ciccio, Valerio Goretti, and Sabrina Kirrane

2023

### **Blockchain based resource governance for decentralized web environments**

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In Frontiers in Blockchain 6 (2023): 1141909

Davide Basile, Claudio Di Ciccio, Valerio Goretti, and Sabrina Kirrane

2023

### **Digitalizing circular economy through blockchains: The blockchain circular economy index**

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In Journal of Industrial and Production Engineering 40, no. 4 (2023): 233-245

Davide Basile, Idiano D'Adamo, Valerio Goretti, and Paolo Rosa

2021

### **Enhancing blockchain-based processes with decentralized oracles**

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In BPM 2021 Blockchain and RPA Forum, Proceedings (pp. 102–118). Springer

Davide Basile, Valerio Goretti, Claudio Di Ciccio, and Sabrina Kirrane

## ● **CONFERENCES AND SEMINARS**

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03/06/2024 – 07/06/2024 Limassol, Cyprus

### **International Conference on Advanced Information Systems Engineering (CAiSE 2024)**

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I participated in the 36th International Conference on Advanced Information Systems Engineering (CAiSE 2024), held from June 3 to 7, 2024, in Limassol, Cyprus, where my paper titled 'Trusted Execution Environment for Decentralized Process Mining' was published.

Link <https://cyprusconferences.org/caise2024/>

23/10/2023 – 27/10/2023 Rome, Italy

### **International Conference on Process Mining (ICPM 2023) - Member of the Local Organization Team**

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As a member of the local organization team for the 5th International Conference on Process Mining (ICPM 2023) held in Rome, I contributed by creating and managing the conference website and designing its graphics

Link <https://icpmconference.org/2023/>

03/09/2023 – 08/09/2023 Varenna, Italy

### **Summer School Challenges in building Billion Users Cloud Applications (BUCA)**

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Link <https://buca23.bici.events>

06/09/2021 – 10/09/2021 Rome, Italy

### **International Conference on Business Process Management (BPM 2021)**

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At the 19th International Conference on Business Process Management, I presented my paper titled 'Enhancing blockchain-based processes with decentralized oracles' at the 'Blockchain and Robotic Process Automation Forum'

Link <https://bpm2021.diag.uniroma1.it>

## ● **PRESENTATIONS**

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### **Enhancing Blockchain-Based Processes with Decentralized Oracles**

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"Enhancing Blockchain-Based Processes with Decentralized Oracles" at BPM 2021 Blockchain and RPA Forum, Rome, Italy, September 2021

- **NATIONAL AND INTERNATIONAL PROJECTS**

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**ASGARD: Autonomous and Self-Governing Agent-Based Rule Design - Research staff member**

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"Progetti Grandi di Ateneo" research project "Autonomous and Self-Governing Agent-Based Rule Design" (ASGARD), grant number RG123188B3F7414A, with the Department of Computer Science of Sapienza University of Rome, Italy.

**exPlainable kNowledge-aware PrOcess INTelligence (PINPOINT) - Research staff member**

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PRIN research project "exPlainable kNowledge-aware PrOcess INTelligence (PINPOINT)", grant number (CUP) B87G22000450001 with the Department of Computer Science of Sapienza University of Rome, Italy.

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