

Enrico Bassetti

Curriculum Vitae

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Research experience

- Oct 2024 – **Research fellow**, *European Space Agency*
now
- Feb 2024 – **Postdoc researcher**, *Delft University of Technology, The Netherlands*
now
- May 2023 – **Postdoc researcher**, *Sapienza University of Rome*
Jan 2024
- Nov 2019 – **Ph.D. student**, *Sapienza University of Rome*
Jan 2023
- May 2019 – **Graduate student researcher**, *Sapienza University of Rome*
Jun 2021
- Mar 2018 – **Graduate student researcher**, *Digilab Research center, Sapienza University of Rome*
Oct 2019
- Nov 2017 – **Undergraduate student researcher**, *Department of Information Engineering, Electronics and Telecommunications, Sapienza University of Rome*
May 2018

Education

- 2023 **Ph.D. in Computer Science**, *Sapienza University of Rome*
Classification: Excellent
Thesis: *Designing and Implementing a Distributed Earthquake Early Warning System for Resilient Communities*
Supervisor: Prof. Emanuele Panizzi
- 2019 **Master's degree in Cybersecurity**, *Sapienza University of Rome*
110 / 110 cum Laude
Thesis: *CyRCL: A Cyber Range for Continuous Learning*
Supervisor: Prof. Angelo Spognardi
- 2017 **Bachelor's degree in Computer Science**, *Sapienza University of Rome*
95 / 110

Teaching experience

- Apr 2024 – **Teaching Assistant**, *Delft University of Technology, The Netherlands*
Jun 2024 Course: Seminar Cyber Security (CS4120)
- Feb 2024 – **Teaching Assistant**, *Delft University of Technology, The Netherlands*
May 2024 Course: Network Security (CS4430)

Sep 2022 – **Lecturer**, *Sapienza University of Rome*
Sep 2023 Course: Web and Software Architectures (undergraduate)
Oct 2020 – **Tutor**, *Sapienza University of Rome*
Feb 2021 Course: Programming fundamentals (undergraduate)
Sep 2019 – **Teaching Assistant**, *Sapienza University of Rome*
Jan 2024 Course: Practical Network Defense (graduate)
Sep 2018 – **Teaching Assistant**, *Sapienza University of Rome*
May 2019 Course: Practical Network Defense (graduate)

Invited talks

Jun 2024 **Illuminating the Dark: Exploring DDoS in Network Telescopes**, *University of Padova, Italy*
Jun 2024 **World Wild Web: security in the Internet Protocol**, *University of Padova, Italy*
May 2024 **World Wild Web: security in the Internet Protocol**, *Delft University of Technology, The Netherlands*
Apr 2021 **Practical Network Defense: Network security and SIEM**, *Sapienza University of Rome*

Fellowships and grants

2022 **Sapienza University research grants**, *Role: Ph.D. student*
2021 **Sapienza University research grants**, *Role: Ph.D. student*
2020 **Sapienza University research grants**, *Role: Ph.D. student*
2019 – 2023 **Ph.D. fellowship**
2019 **Computer Science department scholarship**, *Role: Graduate student*
2018 **Computer Science department scholarship**, *Role: Undergraduate student*

Community services

Organizing Committee member, *EuroSys 2025, ICISS 2024, AVI 2022*
Program Committee member, *ICISS 2024, AVI 2022*
Reviewer, *INFOCOM 2024, IEEE NFV-SDN 2024, ACM CCS 2024, IEEE Intelligent Systems, IEEE Transactions on Information Forensics and Security, ACM WiSec 2024, SafeThings 2024, ANT 2024 CODASPY 2024, ESORICS 2024, AAAI 2024, ITASEC 2024, ESORICS 2023, ACNS 2022, AVI 2022*

Work experience

2018 – 2024 **IT Consultant, teacher**, *Freelance*
2018 – 2023 **System architect**, *Sapienza University of Rome*
2018 – 2023 **DevOps/System administrator**, *Gamification Lab, Sapienza University of Rome*
2017 – 2018 **System architect**, *Sapienza University of Rome*
2016 – 2016 **System integrator**, *PMS Srl (Latina, Italy)*

2005 – 2015 **System/Network Administrator**, *Teknè consulting / Webrand Srl (Latina, Italy)*
2010 – 2015 **Sound engineer**, *Freelance*

Languages

Italian first language
English B2 (IELTS score 6.5)

Publications

- 2025 **Opening Pandora's Packet: Expose IPv6 Implementations Vulnerabilities Using Differential Fuzzing**, *Bassetti, Enrico; Di Paolo, Edoardo; Drago, Francesco; Conti, Mauro; Spognardi, Angelo*
ACNS 2025
- 2024 **They Will Adapt: Improving Anomaly Detection on IoT Networks Through Continuous Learning**, *Quadrio, Giacomo; Pompa, Roberto; Bassetti, Enrico; D'elia, Ciro; Scacco, Gianluca; Conti, Mauro*
WiMob 2024
- 2024 **Scalable and automated Evaluation of Blue Team cyber posture in Cyber Ranges**, *Bianchi, Federica; Bassetti, Enrico; Spognardi, Angelo*
SAC 2024
- 2023 **A New Model for Testing IPv6 Fragment Handling**, *Di Paolo, Edoardo; Bassetti, Enrico; Spognardi, Angelo*
ESORICS 2023
- 2023 **Human Presence Detection After Earthquakes: An AI-Based Implicit User Interface on the Smartphone**, *Bassetti, Enrico; Cavallaccio, Gianmarco; De Marsico, Maria; Panizzi, Emanuele*
CHIItaly 2023
- 2022 **Quick decentralized estimation of earthquake epicenter with low-cost IoT network**, *Bassetti, Enrico; Quaranta, Davide; Panizzi, Emanuele*
IOTSMS 2022
- 2022 **ISIDE: Proactively Assist University Students at Risk of Dropout**, *Bassetti, Enrico; Conti, Andrea; Panizzi, Emanuele; Tolomei, Gabriele*
IEEE Big Data
- 2022 **Exploiting User Behavior to Predict Parking Availability through Machine Learning**, *Bassetti, Enrico; Berti, Andrea; Bisante, Alba; Magnante, Andrea; Panizzi, Emanuele*
Smart Cities, MDPI
- 2022 **Earthquake Detection at the Edge: IoT Crowdsensing Network**, *Bassetti, Enrico; Panizzi, Emanuele*
Information, MDPI

- 2022 **Re-Orienting Smartphone-Collected Car Motion Data Using Least-Squares Estimation and Machine Learning**, *Bassetti, Enrico; Luciani, Alessio; Panizzi, Emanuele*
Sensors, MDPI
- 2022 **ML-based re-orientation of smartphone-collected car motion data**, *Bassetti, Enrico; Luciani, Alessio; Panizzi, Emanuele*
Procedia Computer Science, Elsevier
- 2021 **Security assessment of common open source MQTT brokers and clients**, *Di Paolo, Edoardo; Bassetti, Enrico; Spognardi, Angelo*
ITASEC 2021
- 2021 **ML Classification of Car Parking with Implicit Interaction on the Driver's Smartphone**, *Bassetti, Enrico; Luciani, Alessio; Panizzi, Emanuele*
INTERACT 2021 IFIP Conference on Human-Computer Interaction, Springer
- 2020 **Simplify Node-RED For End User Development in SeismoCloud**, *Bassetti, Enrico; Ottavianelli, Edoardo; Panizzi, Emanuele*
EMPATHY 2020: Empowering People in Dealing with Internet of Things Ecosystems
- 2018 **Adaptive mitigation of the Air-Time pressure in LoRa multi-gateway architectures**, *Cuomo, Francesca; Campo, Manuel; Bassetti, Enrico; Cartella, Lorenzo; Sole, Federica; Bianchi, Giuseppe*
European Wireless 2018, VDE

--- Other

I co-supervised 40+ bachelor and master students during my time in Sapienza University of Rome (Italy) together with prof. Emanuele Panizzi and prof. Angelo Spognardi, and I am currently mentoring 4+ students from Padua University (Italy) together with prof. Mauro Conti, 2 students from IIIT Dharwad (India) and one student from IIT Jammu (India).

Simplified CV version for publication / transparency purposes.