

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name	PROF. LORENZO BRACCIALE
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E-mail	lorenzo.bracciale@uniroma2.it
Website	http://netgroup.uniroma2.it
Nationality	Italian
Date of birth	22-02-1982

GENERAL RESEARCH INTERESTS

Data Privacy, Machine Learning, E-Health

BIBLIOMETRIC SUMMARY DATA

• Total international publications	63
• Total citations	861 source scholar.google.com
• Total cited paper	66 source scholar.google.com
• H-index	15 source scholar.google.com

EDUCATION AND TRAINING

• Dates	2007-2010
• Name and type of organisation providing education and training	University of Rome "Tor Vergata"
• Principal subjects/occupational skills covered	Ph.D. in Telecommunication Engineering and Microelectronics
• Title of qualification awarded	Ph.D.
• Dates	2000-2006
• Name and type of organisation providing education and training	University of Rome "Tor Vergata"
• Principal subjects/occupational skills covered	Telecommunication Engineering
• Title of qualification awarded	Dottore Magistrale (Master Degree)

PRINCIPAL POSITIONS

• Dates (from – to)	2022 - present
• Name and address of employer	University of Rome "Tor Vergata"
• Type of business or sector	University - Department of Electronic Engineering
• Occupation or position held	Assistant Professor (RTD-B)
• Main activities and responsibilities	Teaching, Research

- Dates (from – to) 2017-2022
- Name and address of employer University of Rome "Tor Vergata"
 - Type of business or sector University - Department of Electronic Engineering
 - Occupation or position held Research fellow
- Main activities and responsibilities Teaching, Research

- Dates (from – to) 2013-2017
- Name and address of employer University of Rome "Tor Vergata"
 - Type of business or sector University - Department of Electronic Engineering
 - Occupation or position held Research fellow (RTD-A)
- Main activities and responsibilities Teaching, Research

VISITING POSITIONS

- Dates (from – to) 2018-2020
- Name and address of employer Sheffield Information School (UK)
 - Type of business or sector University/Research
 - Occupation or position held Co-lecturer
- Main activities and responsibilities Co-lecturer of Big Data Analytics

- Dates (from – to) 2015 (1 months)
- Name and address of employer Trinity College Dublin (IE)
 - Type of business or sector University/Research
 - Occupation or position held Visiting scholar
- Main activities and responsibilities Research on privacy preserving recommendation

- Dates (from – to) 2011 (2 months)
- Name and address of employer Massachusetts Institute of Technology (MIT) - (USA)
 - Type of business or sector University/Research
 - Occupation or position held Visiting scholar
- Main activities and responsibilities Research on data dissemination using partial coding

TEACHING

- Current Computer Science Fundamentals, Web Programming, E-Health
- Past Network management, Big Data Analytics

GRANTS & PROJECTS

- Dates (from – to) 2018 - 2021
- Name of the project BPR4GDPR (EU H2020 project)
 - Description WP-leader, Technical coordinator of Unit
 - Total grant 3M€

- Dates (from – to) 2018
- Name of the project SecurePath (Private project with Silicon Valley Startup)
 - Description PI
 - Total grant 20k€

- Dates (from – to) 2016 - 2019
- Name of the project SESAMO (National Project)
 - Description Technical coordinator of Unit
 - Total grant 400k€

- Dates (from – to) 2016-2018
- Name of the project ICN2020 (H2020 EU/Japan Project)

- Description Co-investigator
- Total grant 2M€

SELECTED PUBLICATIONS AND RESEARCH REPORTS

- Bianchi, G., Blefari Melazzi, N., Bracciale, L., Lo Piccolo, F., Salsano, S., Streamline: An optimal distribution algorithm for peer-to-peer real-time streaming, (2010) **IEEE Transactions on Parallel and Distributed Systems**, 21 (6), art. no. 5161259, pp. 857-871.
- Bianchi, G., Bracciale, L., Censor-Hillel, K., Lincoln, A., Médard, M., The one-out-of-k-retrieval problem and linear network coding, (2016) **Advances in Mathematics of Communications**, 10 (1), pp. 95-112.
- Bonola, M., Bracciale, L., Loreti, P., Amici, R., Rabuffi, A., Bianchi, G., Opportunistic communication in smart city: Experimental insight with small-scale taxi fleets as data carriers, (2016) **Ad Hoc Networks**, 43, pp. 43-55.
- Bracciale, L., Loreti, P., Bianchi, G., The Sleepy Bird Catches More Worms: Revisiting Energy Efficient Neighbor Discovery, (2016) **IEEE Transactions on Mobile Computing**, 15 (7), art. no. 7217834, pp. 1812-1825.
- Detti, A., Bracciale, L., Loreti, P., Rossi, G., Blefari Melazzi, N., A cluster-based scalable router for information centric networks, (2018) **Computer Networks**, 142, pp. 24-32.
- Carusi, C., Bianchi, G., Bracciale, L., An online approach for joint task assignment and worker evaluation in crowd-sourcing, (2018) **Pervasive and Mobile Computing**, 50, pp. 94-113.
- Detti, A., Bracciale, L., Loreti, P., Melazzi, N.B., Modeling LRU cache with invalidation, (2018) **Computer Networks**, 134, pp. 55-65.
- Bracciale, L., Loreti, P., Detti, A., Paolillo, R., Melazzi, N.B., Lightweight named object: An ICN-based abstraction for IoT device programming and management, (2019) **IEEE Internet of Things Journal**, 6 (3), art. no. 8624408, pp. 5029-5039.
- Loreti, P., Bracciale, L., Bianchi, G., StableSENS: Sampling Time Decision Algorithm for IoT Energy Harvesting Devices, (2019) **IEEE Internet of Things Journal**, 6 (6), art. no. 8789660, pp. 9908-9918.
- Loreti, P., Bracciale, L., Optimized Neighbor Discovery for Opportunistic Networks of Energy Constrained IoT Devices, (2020) **IEEE Transactions on Mobile Computing**, 19 (6), art. no. 8676370, pp. 1387-1400.
- Loreti, P., Mayer, A., Lungaroni, P., Lombardo, F., Scarpitta, C., Sidoretti, G., Bracciale, L., Ferrari, M., Salsano, S., Abdelsalam, A., Gandhi, R., Filsfils, C., SRv6-PM: a Cloud-Native Architecture for Performance Monitoring of SRv6 Networks, (2021) **IEEE Transactions on Network and Service Management**, 18 (1), pp. 611-626.
- Mayer, A., Loreti, P., Bracciale, L., Lungaroni, P., Salsano, S., Filsfils, C., Performance Monitoring with H2: Hybrid Kernel/eBPF data plane for SRv6 based Hybrid SDN, (2021) **Computer Networks**, 185, art. no. 107705, .

**PERSONAL SKILLS
AND COMPETENCES**

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH

EXCELLENT

EXCELLENT

GOOD

SOCIAL SKILLS

AND COMPETENCES

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential.*

TEAMWORKING

COORDINATION

COOPERATION

ORGANISATIONAL SKILLS

AND COMPETENCES

*Coordination and administration of
people, projects and budgets; at work, in
voluntary work.*

ORGANIZATION OF RESEARCH PROJECTS AND PROPOSALS (COORDINATION OF RESEARCH TEAM)

ORGANIZATION OF TECHNICAL WORK (CTO OF STARTUPS)

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016,
I hereby express my consent to process and use my data provided in this CV.

Rome, 15.04.2022

Lorenzo Bracciale

Signature