Vasileios Giotsas

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Experience and Appointments

2021– today	Senior Research Engineer, Cloudflare Inc.
2018 – 2025	Senior Lecturer (Associate Professor), School of Computing and Communications, Lancaster University, GB
2017–2018	Research Scientist, Technical University of Berlin (TUB), Germany
2013–2017	Postdoctoral Researcher, Center for Applied Internet Data Analysis (CAIDA), University of Califoria San Diego (UCSD)

Education

2009–2014	Ph.D., Computer Science, University College London (UCL) Thesis Title: Improving the Accuracy of the Internet Cartography
2011–2013	M.Sc., Data Communications, Networks and Distributed Systems, University College London (UCL). *Awarded with Distinction*
2003–2007	B.Sc., Computer Science, University of Piraeus, Greece

Selected Honours and Awards

2025	Internet Society PULSE Fellowship.
2017, 2018	RIPE Academic Collaboration Initiative fellowship.
2017	Applied Networking Research Prize (ANRP) awarded by the Internet Engineering Task Force (IETF).
2015	CoNEXT 2015 Best Paper Award
2009	EPSRC Doctoral Training Studentship
2008	Head of the Department Award for the best MSc research project in the UCL department of Computer Science.

Scientific Impact

- Published 60 peer-reviewed conference and journal papers. My published work has received over $1,980$ citations, with an H-index of 21, and an i-index of 33, according to Google Scholar.

- I have served in Technical Program and Organizational Committees of top-tier conferences (ACM SIGCOMM 2018, ACM IMC 2020–25, ACM CoNEXT 2023–25).

- I have served as reviewer in top-tier journals (IEEE/ACM Transactions on Networking, IEEE Communications Letters, IEEE Transactions on Multimedia, IEEE Journal on Selected Areas in Communications).

- My work has been cited in plenary talks, university courses, summer schools, and IETF standards and reports by the US government.

- I have been invited to give talks/seminars to reputable industry meetings and forums, including: Blackhat EU 2023, RIPE meetings (RIPE 73, 75, 89), NANOG 68 plenary talk, LACNIC 43.

Teaching

2024	Cyber Security Core Technologies (MBA)	Lancaster University
2023	Cyber Security Operations (MBA)	Lancaster University
2018-2020	Computer Networks (BSc)	Lancaster University
2018-2020	Digital forensics (MSc)	Lancaster University
2019-2020	Penetration Testing (MSc)	Lancaster University
2010-2013	Computer Security 1 (TA)	University College London

Selected Honours and Awards

2018   RIPE Professional Fellowship for the RIPE 76 meeting.

2017   RIPE Academic Collaboration Initiative fellowship for the RIPE 75 meeting.

2017   Applied Networking Research Prize (ANRP) awarded by the Internet Engineering Task Force (IETF).

2016   Best project award at the RIPE 73 IXP tools hackathon.

2015   CoNEXT 2015 Best Paper Award

2014   IMC 2014 Community Contribution shortlist

2011   Microsoft Sponsorship to participate in the 2011 ACM SIGCOMM Student Research Competition (SRS).

2009   EPSRC Doctoral Training Studentship

2008   Head of the Department Award for the best MSc research project in the UCL department of Computer Science.

Professional Activities

- Chair for the 1st SIGCOMM Hackathon (2018).

- Committee member for the Brendan Murphy prize awarded at the 2019 UK Academic Meeting on Systems and Networks.

- Program committee member for the following conferences:

    - ACM Internet Measurement Conference (IMC) 2022 – 2025

    - ACM Conference on emerging Networking EXperiments and Technologies (CoNEXT) 2024, 2025

    - Passive and Active Measurement Conference 2022 – 2023

    - Traffic Measurements and Analysis (TMA) Conference 2022 – 2024

- Reviewer for the following conferences:

    - IEEE/ACM Transactions on Networking (ToN)

    - IEEE Transactions on Network and Service Management (TNSM)

    - IEEE Journal on Selected Areas in Communications (SAC)

    - IEEE Communications Letters

    - IEEE Transactions on Multimedia

    - IEEE/ACM Transactions on Internet Technology (TOIT)

    - Elsevier Computer Networks

- Shadow Program committee member for IMC 2017

- External reviewer for ACM SIGCOMM 2016, 2019 and ACM CoNEXT 2016

Scientific Impact

- I have published 60 peer-reviewed conference and journal papers. As of November 2024, my published work has received 1,859 citations (1,328 since 2019), with an H-index of 20 (20 papers have received at least 20 citations), and an i-index of 33 (33 papers have received at least 10 citations), according to Google Scholar.

- The CAIDA Autonomous Systems relationship datasets, which are the product of my research work have been downloaded by more than 134,000 users between 2013 – 2023, according to CAIDA's annual reports.

- The Periscope measurement platform which I have developed to provide real-time network analytics is used by over 50 universities and companies around the world.

- My work has been cited in plenary talks, university courses, summer schools, and IETF standards and reports by the US government.

- I have been invited to give talks and seminars to reputable industry meetings and forums, including:

    - Blackhat EU 2023

    - RIPE meeting plenary talks (RIPE 73 and RIPE 75

    - RIPE Measurements and Tools Working Group (RIPE 89)

    - NANOG meeting plenary talk (NANOG 68)

Research Projects

I have participated in the following research projects as Primary Investigator (PI) or Co-Investigator (CoI):

2024 – 2025	CoI	*Subzero: Monitoring the Impact of the Submarine Cable Deployments •* RIPE NCC Community Projects Fund.
2019 – 2020	PI	*Antikraak: Protecting non-routed and transferred address space against spear-hijacking •* RIPE NCC Community Projects Fund.
2018 – 2019	PI	*Aethra: Intelligent RIPE Atlas Resource Allocation •* RIPE NCC Community Projects Fund.
2018 – 2021	PI	Defending Routing Attacks against Critical Infrastructures through Multi-layer Threat Intelligence • UK National Cyber Security Center
2017	PI	Periscope: Unifying Looking Glass Querying • Comcast Innovation Fund
2014 – 2017	CoI	*Collaborative Research: Mapping Interconnection in the Internet: Colocation, Connectivity and Congestion •* National Science Foundation (NSF)
2012 – 2016	CoI	*Exploring the Evolution of IPv6: Topology, Performance, and Traffic •* National Science Foundation (NSF)
2014 – 2015	CoI	*REVQUAL: Resolving Visual Quality for Media •* Innovate UK