

NARSEO VALLINA-RODRIGUEZ

Curriculum Vitae

Assistant Research Professor at IMDEA Networks
Research Scientist at International Computer Science Institute
✉ narseo.vallina@imdea.org / narseo@icsi.berkeley.edu / narseo@gmail.com
🌐 <http://www.narseo.com>

RESEARCH INTERESTS

Network Measurements, Network Performance, Privacy and Security, Mobile Systems and Applications.

EDUCATION

- 2009-2013 **University of Cambridge**
Ph.D in Computer Science
Thesis: Cross-layer analysis of energy and spectrum waste of mobile applications
Advisor: Prof. Jon Crowcroft
- 2001-2007 **University of Oviedo**
Telecommunications Engineering
MSc dissertation completed at the University of Cambridge as a Visiting Student
Advisor: Prof. Jon Crowcroft

PROFESSIONAL EXPERIENCE

- 2016-Present **Assistant Research Professor, IMDEA Networks**
- 2014-Present **Research Scientist, ICSI/U.C. Berkeley**
- 2013-2014 **Postdoctoral Scholar, ICSI/U.C. Berkeley**
Advisors: Vern Paxson, Nicholas Weaver, and Christian Kreibich
- 2009-2013 **PhD Candidate and Student Supervisor, University of Cambridge**
Advisor: Jon Crowcroft
- 2011, 2012 **Summer Research Intern, Telefonica Research**
Advisor: Dina Papagiannaki
- 2009 **Summer Research Intern, T-Labs Berlin**
Advisor: Pan Hui
- 2008-2009 **Research Engineer, Vodafone R&D**
- 2007 **Research Intern, Telefonica Research**
Advisor: Pablo Rodriguez
- 2006-2007 **Visitor Student, University of Cambridge**
Advisor: Jon Crowcroft

TEACHING EXPERIENCE

Designed material and delivered classes for:

- 2010-2012 **Principles of Communications, University of Cambridge**
Lecturer: Jon Crowcroft
- 2009-2010 **Advanced Systems Topics, University of Cambridge**
Lecturer: Steve Hand
- 2009-2010 **Digital Communications II, University of Cambridge**
Lecturer: Jon Crowcroft

HONORS AND AWARDS

2016	DataTransparencyLab Grant (50K Euros)
2015	Best paper award. ACM HotMiddlebox
2015	Selected to attend NSF NeTS Early Career Workshop
2014	Best short-paper award. ACM CoNEXT
2013	Nominated for best paper award. ACM CoNEXT
2012	Qualcomm Innovation Fellowship (10K GBP)
2010-2012	Fitzwilliam College Scholarship
2009-2012	Cambridge European Trust
2009-2011	Fundesfor Scholarship
2007	Honorable Mention for the MsC dissertation. University of Oviedo

MENTORING/SUPERVISION

PhD	Abbas Razaghpanah (Stony Brook University, Summer Intern at ICSI)
Master	Rokey Ge (University of Cambridge)
Undergrad.	Amy O'Sullivan, Jay Shah, Mark Hogan and Michael Clark (University of Cambridge)

COMMUNITY SERVICES

PC Chair	1st ACM MobiSys Workshop on Mobile Data (MOBIDATA), 2016.
PC Member	Passive and Active Measurements (PAM), 2017; ACM CoNEXT Student Workshop, 2016; ACM SIGCOMM GAIA Workshop, 2016; IEEE Int. Workshop on Traffic Analysis and Characterization (TRAC), 2016; ACM CoNEXT Student Workshop, 2015; IEEE Int. Workshop on Traffic Analysis and Characterization (TRAC), 2015; Traffic Monitoring and Analysis Workshop (TMA), 2015; ACM Mobiquitous Poster Track, 2015; and ACM S3 Workshop, 2012.
External Reviews	IEEE UbiComp, 2014; and ACM CoNEXT, 2013.
Journal Reviews	ACM SIGCOMM CCR; IEEE JSAC Special Issue on Measuring and Troubleshooting the Internet, 2015; IEEE Transactions of Mobile Computing; IEEE Communication Letters; IEEE Communications Surveys and Tutorials; and IEEE Transactions of Networking.

PUBLICATIONS

Conference papers	<ol style="list-style-type: none"> 1. M. Ikram, N. Vallina-Rodriguez, S. Seneviratne, M. A. Kaafar, V. Paxson An analysis of the Privacy and Security Risks of Android VPN Permission-enabled Apps ACM IMC, 2016 2. P. Richter, F. Wohlfart, N. Vallina-Rodriguez, M. Allman, R. Bush, A. Feldmann, C. Kreibich, N. Weaver, V. Paxson A Multi-perspective Analysis of Carrier-Grade NAT Deployment ACM IMC, 2016 3. N. Vallina-Rodriguez, S. Sundaresan, C. Kreibich, N. Weaver, and V. Paxson Beyond the Radio: Illuminating the Higher Layers of Mobile Networks ACM MobiSys, 2015 4. N. Vallina-Rodriguez, J. Amann, C. Kreibich, N. Weaver, and V. Paxson A Tangled Mass: The Android Root Certificate Stores ACM CoNEXT, 2014. Best Paper Award 5. A. Aucinas, N. Vallina-Rodriguez, Y. Grunenberger, V. Erramilli, K. Papagiannaki, J. Crowcroft and D. Whetherall Staying Online While Mobile: The Hidden Costs ACM CoNEXT, 2013 6. C. Rossi, N. Vallina-Rodriguez, V. Erramilli, Y. Grunenberger, L. Gyarmati, N. Laoutaris, R. Stanojevic, K. Papagiannaki, and P. Rodriguez Surely You're Joking! 3G OnLoading? ACM CoNEXT, 2013 7. N. Vallina-Rodriguez, A. Aucinas, M. Almeida, Y. Grunenberger, K. Papagiannaki, and J. Crowcroft RILAnalyzer: A Comprehensive 3G Monitor on your Phone
-------------------	---

- ACM IMC, 2013
8. N. Vallina-Rodriguez, J. Shah, A. Finamore, Y. Grunenberger, H. Haddadi, K. Papagiannaki, and J. Crowcroft
Breaking for Commercials: Characterizing Mobile Advertising
ACM IMC, 2012
9. N. Vallina-Rodriguez, S. Scellato, H. Haddadi, C. Forsell, J. Crowcroft, and C. Mascolo
Los Twindignados: The Rise of the Indignados Movement on Twitter
IEEE Socialcom, 2012
- Workshop papers
10. N. Vallina-Rodriguez, S. Sundaresan, A. Razaghpanah, R. Nithyanand, M. Allman, C. Kreibich, P. Gill
Tracking the Trackers: Towards Understanding the Mobile Advertising and Tracking Ecosystem
1st Workshop in Data and Algorithmic Transparency, 2016
11. R. Nithyanand, S. Khattak, M. Javed, N. Vallina-Rodriguez, M. Falahrastegar, J. E. Powles, E. De Cristofaro, H. Haddadi, S. J. Murdoch
Ad-Blocking and Counter Blocking: A Slice of the Arms Race
Usenix FOCl, 2016
12. N. Vallina-Rodriguez, S. Sundaresan, C. Kreibich, and V. Paxson
Header Enrichment or ISP Enrichment? Emerging Privacy Threats in Mobile Networks
ACM HotMiddlebox, 2015 **Best Paper Award**
13. N. Vallina-Rodriguez, V. Erramilli, Y. Grunenberger, L. Gyarmati, N. Laoutaris, R. Stanojevic, and K. Papagiannaki
When David can Help Goliath: The Case for Cellular Augmentation of Wired Networks
ACM HotNets, 2012
14. N. Vallina-Rodriguez, C. Efstratiou, G. Xie, and J. Crowcroft
Enabling Opportunistic Resources Sharing on Mobile Operating Systems: Benefits and Challenges
ACM S3, 2011
15. N. Vallina-Rodriguez and J. Crowcroft
ErdOS: Achieving Energy Savings in Mobile OS
ACM MobiArch, 2011
16. N. Vallina-Rodriguez, P. Hui, J. Crowcroft, and A. Rice
Exhausting Battery Statistics: Understanding the Energy Demands on Mobile Handsets
ACM MobiHeld, 2010
- Tech-reports
17. A. Razaghpanah, N. Vallina, S. Sundaresan, C. Kreibich, P. Gill, M. Allman, and V. Paxson
Haystack: In situ Mobile Traffic Analysis in User Space
Arxiv, 2015
- Journal papers
18. N. Vallina-Rodriguez, A. Finamore, Y. Grunenberger, K. Papagiannaki, and J. Crowcroft
When Assistance Becomes Dependence: Characterizing the Costs and Inefficiencies of A-GPS
ACM CC2R, 2013
19. N. Vallina-Rodriguez, and J. Crowcroft
Energy Management Techniques in Modern Mobile Handsets
IEEE Communications Surveys and Tutorials, 2012
- Book chapters
20. N. Vallina-Rodriguez, P. Hui, and J. Crowcroft
The Case for Context-Aware Resources Management in Mobile Operating Systems
Mobile Context Awareness, 2012
- Invited papers
21. N. Vallina-Rodriguez, P. Hui, and J. Crowcroft
Has Anyone Seen my Goose? Social Network Services in Developing Regions
IEEE Social Mobile Web (SMW), 2009
- PhD Thesis
22. N. Vallina-Rodriguez
Cross-layer analysis of energy and spectrum waste of mobile applications
University of Cambridge, 2013