

Curriculum vitæ

Personal Information

Work experience

Dates

Occupation or position held

Name and address of employer

Main activities and responsibilities

Dates

Occupation or position held

Name and address of employer

Dates

Occupation or position held

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
Research Lab director & Chair Professor

Name	Dario ROSSI	Date of Birth	27/03/1977
Phone	+33.(0)7.77.20.24.33 (work)	Nationality	Italian, French
e-mail	dario.rossi@huawei.com	Address	75015 Paris, France
Web 	https://nonsns.github.io		Extended academic CV 

July 2019 - present

**Director, Data Communication Network Algorithm and Measurement Technology Laboratory
Huawei Technologies, co. Ltd 92100 Boulogne-Billancourt, France**

Main responsibilities:

- Leader of a team of researchers expert in machine learning, statistical inference, performance evaluation, operation research, traffic characterization, network architectures, very large-scale simulation and experiments, system design.
- Author of 8 patents, 150+ papers ([full list !\[\]\(d268baa720f378a4382a0a1ca442e010_img.jpg\)](#))
- Publications include top tier venues (ACM SIGCOMM, IEEE INFOCOM, ACM CoNEXT, IEEE/ACM ToN, IEEE JSAC, IEEE TMM), attracted 5000+ citations for an H-index of 35+ (Google Scholar ), and had impact on IETF normalization (LEDBAT WG)
- Participation to the Steering committee/Program Chair/Technical Program Committees of 70+ international conferences (incl. ACM SIGCOMM, IEEE INFOCOM, ACM CoNEXT) and to the Editorial/Review board for 15+ journals ([full list !\[\]\(f098399f9b57081cb9094c6e464274e4_img.jpg\)](#))

Awards:

- ★ *Career awards* ([full list !\[\]\(f9b64f4644e83001affd22947f1ddbca_img.jpg\)](#)): IETF Applied Network Research Prize (2016), Google Faculty Research Award (2015), IEEE INFOCOM Distinguished Member (2015, 2016, 2017 and 2019)
- ★ *Paper awards* ([full list !\[\]\(13a24eb1647dab05a57a8fe827c44255_img.jpg\)](#)): IEEE ComSoc/ISOC Internet Technical Committee Award (2016-2017), Best paper at IFIP NTMS'12, TRAC'14, TRAC'15, SIGCOMM InternetQoE'16, NOSSDAV'18, runner up at ITC'13 and ITC'16. Awarded best poster at TMA'16 and Best dataset at PAM'18.

November 2018 - June 2019

**Network AI Research Team Leader, Mathematical and Algorithmic Sciences Lab
Huawei Technologies, co. Ltd 92100 Boulogne-Billancourt, France**

September 2012 - present

Professor, Laboratoire d'Informatique de l'X (LIX)

École Polytechnique, 91128 Palaiseau, France

Course on Network Security (INF586) and Peer-to-peer networking and applications (INF570)

January 2012 - October 2018

Cisco's Chair Professor, Computer Science and Networking Department (INFRES)

Telecom ParisTech, 46 rue Barrault, F-75634 Paris, France

October 2006 - December 2011

Associate Professor (HDR), Computer Science and Networks Department (INFRES)

Telecom ParisTech, 46 rue Barrault, F-75634 Paris, France

January 2005 – September 2006

PostDoc Research Engineer

Politecnico di Torino – 24, C.so Duca degli Abruzzi, 10129, Torino, Italy

Development of a technique for the identification of Skype traffic, funded by Vodafone Group

August 2003 – August 2004

Research Engineer

University of California, Berkeley, CA94720-1776, USA

Definition and analysis of high-performance algorithms for Distributed Hash Tables.

January 2001 – July 2003, and September 2004 – December 2004

Research Engineer

Politecnico di Torino – 24, C.so Duca degli Abruzzi, 10129, Torino, Italy

Development of a traffic measurement tool <http://tstat.tlc.polito.it>

Education and training

Title of qualification awarded

Title of qualification awarded

Dates

Title of qualification awarded

Name and type of organization

Dates

Title of qualification awarded

Name and type of organization

HDR Thesis Title

Dates

Title of qualification awarded

Name and type of organization

PhD Thesis Title

Dates

Title of qualification awarded

Dates

Title of qualification awarded

Name and type of organization

MSc Thesis Title

Notes

Personal skills

Mother tongue(s)

Other languages

Self-assessment

European level^(*)

French

English

Social skills

Scientific and Computer skills

Sports and Interests

Driving licences

ACM Senior Member (2015)

IEEE Senior Member (2012)

February 2012

Professorship Habilitation (Qualification au Corps des Professeurs des Universités)

Conseil Nationale des Universités (CNU), Section 27 Informatique (n.12127228639; Feb 2nd, 2012)

December 2010

HDR Abilitation (Habilitation à Diriger des Recherches)

Université Pierre et Marie Curie (UPMC), 4 place Jussieu 75252, Paris, France

P2P Networking: The Dawn of the Homo Interconnexus Era

April 2005

PhD in Electronic and Telecommunication Engineering

Politecnico di Torino – 24, C.so Duca degli Abruzzi, 10129, Torino, Italy

Traffic at the Network Edge: Sniff, Analyze, Act

January 2002

Qualifying examination to Engineers Register (Esame di Stato)

November 2001

MSc in Telecommunication Engineering (Laurea degree)

Politecnico di Torino – 24, C.so Duca degli Abruzzi, 10129, Torino, Italy

A Simulation Study of Web Traffic over DiffServ Networks

- Thesis developed with NEC Europe Ltd. – 36, Kurfürsten-Anlage, Heidelberg, Germany.
- Project Socrates-Erasmus (1999 – 2000), at Institut Supérieur d'Électronique du Nord (ISEN)

Italian

French Living in France since 2006.

English One-year stay in Berkeley, CA (USA) for work purposes. First Certificate in English (FCE), University of Cambridge, UK (1995). Five years of study at the British Churchill Center.

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user

^(*) Common European Framework of Reference (CEF) level

Living in several countries worldwide contributed to both my adaptability to diverse environments and my communication skills; the teaching experience refined the latter. Good propensity to project management and group work, gained throughout leadership in several international projects.

Visit my personal [webpage](#), or [GitHub](#) for more!

- **Machine learning.** Supervised classification, unsupervised clustering, stream-learning, forecast and regression, rule-based and reinforcement learning. (Hate but can do) feature selection.
- **Network science.** Control theory, stochastic modeling, monte-carlo & event-driven simulation.
- **Operating Systems.** Linux, Unix and TinyOS (power user and development), Windows (user).
- **Programming Languages.** C/C++, Perl, Python, bash, nesC, Tcl/Tk, Awk, Php, CGI, Ruby
- **Scientific Tools.** Octave, Weka, R, Mathematica and CPLEX; ns2, Omnet++ and TOSSIM;
- **Publishing.** \LaTeX , Jekyll, Markdown, graphical (Gimp, Inkscape, Gnuplot, D3.js) and Office.
- **Open-source software developed (a selection)**
 - ☞ **Telemetry:** an unsupervised stream-learning clustering algorithm for anomaly detection
 - ☞ **ccnSim:** ccnSim is a scalable Information centric network simulator with 4000+ downloads
 - ☞ **WebQoE:** our award-winning project on inferring Web users Quality of Experience
 - ☞ **iGreedy:** our award-winning project on IPv4 anycast detection and geolocation
 - ☞ **LEDBAT:** open source implementation of the BitTorrent congestion control protocol
 - ☞ **LEDBAT+AQM:** Solving the reprioritization issue arising LEDBAT and AQM
 - ☞ **Tstat:** Traffic analyzer tool with traffic classification capabilities, 30000+ download so far.

Ski, basket, hiking, reading, watching OV movies, (HDR) photography (before it was a commodity) and playing guitar (a decade ago, when I had no kids and some spare time)

Italian (Italy, 1996), California (CA, USA, 2003) and French (2016) Driving Licenses

Professional activities

Awards

- ★ Proud that Danilo Cicalese won the 2nd prize of Telecom ParisTech thesis awards (2019)
- ★ Distinguished Member of the IEEE INFOCOM TPC (2019)
- ★ Winner of the Best paper award at NOSSDAV'18, the 28th ACM SIGMM Workshop on Network and Operating Systems Support for Digital Audio and Video (2018)
- ★ Winner of the Best dataset award at the Passive and Active Measurement (PAM) conference (2018)
- ★ Proud recipient of the IEEE ComSoc/ISOC Internet Technical Committee Best Paper Award (2016-2017)
- ★ Distinguished Member of the IEEE INFOCOM TPC (2017)
- ★ Proud that Enrico Bocchi, co advised with Marco Mellia from Politecnico di Torino, has received the GTTI PhD thesis award (2017)
- ★ Our work was selected as the Best paper of the ACM SIGCOMM Internet-QoE workshop (2016) and reprinted in ACM SIGCOMM Comput. Commun. Rev..
- ★ IETF Applied Network Research Prize (2016)
- ★ Best poster award at IFIP TMA (2016)
- ★ Distinguished Member of the IEEE INFOCOM TPC (2016)
- ★ Danilo's HIJACK-2 team won the CAIDA BGP hackaton (2016)
- ★ Google Faculty Research Award (2015)
- ★ ACM Senior member (2015)
- ★ Best paper award at the 6th International Workshop on TRaffic Analysis and Characterization (TRAC 2015)
- ★ Distinguished Member of the 2015 IEEE INFOCOM TPC
- ★ The research stage of Francois Espinent (X2011) at LINCIS was awarded honourable distinction with unanimous congratulations from the jury
- ★ Best paper award at the 5th International Workshop on TRaffic Analysis and Characterization (TRAC 2014)
- ★ Runner up for best paper award at the 25th International Teletraffic Congress (ITC 2013)
- ★ IEEE Senior member (2013)
- ★ Best paper award at the 5th IFIP International Conference on New Technologies, Mobility and Security (NTMS 2012)

Teaching activities

Responsible of the following courses:

- INF568 Network security
École Polytechnique, 50h, French - 2017-2018
- RES212 Network security
Telecom ParisTech, 20h, French - 2017-2018
- RES203 Internet applications
Telecom ParisTech, 20h, French - 2015-2019
- INF570 Peer-to-Peer Networks
École Polytechnique, 50h, French - 2012-2017
- RES224 Architecture des applications Internet
Telecom ParisTech, 30h, French - 2008-2015
- RES223 Le transport et routage Internet
Telecom ParisTech, 30h, French - 2008-2012
- RES240 Principe et architecture des réseaux IP
Telecom ParisTech, 60h, French - 2007-2011
- MSMNT Master Management des Nouvelles Technologies
HEC, 15h, French - 2008-2010

Intervening in the following courses:

- RES101 Introduction aux réseaux de telecommunications
Telecom ParisTech, 6h - 2015
- GTM2 Groupe de travail Master M2 Recherche
Université Pierre et Marie Curie LIP6, 3h, French - 2010, 2011
- RES380 Expérimentation et étude de performance de technologies réseaux
Telecom ParisTech, 6h, English - 2007
- Wireless Sensor Networks seminar, Master in Wireless Systems and Related Technologies
Politecnico di Torino, 20h, English - 2005, 2006
- Wireless Sensor Network Professional training course
TEACH srl (V.S. Gregorio 34, Milan, Italy), 30h, Italian - 2005
- O6EJRBQ Introduzione alle reti telematiche
Politecnico di Torino, 20h, Italian - 2002
- 01EJVEB Laboratorio di Protocolli
Politecnico di Torino, 50h, Italian - 2002
- 01FOCEB Complementi di Laboratorio
Politecnico di Torino, 10h, Italian - 2002
- ECDL European Computer Driving Licence
Ludwigh Informatica s.a.s. (V. Cernaia 31, 10100, Torino, Italy), 60h, Italian - 2001

PhD Advisor (ongoing)	<ul style="list-style-type: none"> — F. Salutati (expected graduation 2021), co-advised with A. Bifet, Telecom ParisTech — A. Putina (expected graduation 2021), co-advised with A. Bifet, Telecom ParisTech — T. Green (expected graduation 2020), co-advised with A. Lambert, Orange
PhD Advisor (graduated)	<ul style="list-style-type: none"> — M. Enguehard (graduated May 2019), co-advised with R. Droms, Cisco — J. Samain (graduated Mar 2019), co-advised with G. Carofiglio, Cisco — D. Cicalese (graduated May 2018), co-advised with T. Friedman, UPMC — T. Zhang (visiting 2017), co-advised with Paolo Giaccone, Politecnico di Torino — E. Bocchi (graduated Apr 2017), co-advised with M. Mellia, Politecnico di Torino — C. Imbrenda (graduated Nov 2016), co-advised with L. Muscariello, Orange — A. Araldo (graduated Oct 2016), co-advised with F. Martignon, LRI — Y. Gong (graduated Mar 2016) — R. Mansilha (visiting 2015), co advised with M. Barcelo, Universidad federal do Rio Grande do Sul — M. Tortelli (visiting 2014), co-advised with G. Boggia, Politecnico di Bari — G. Rossini (graduated Feb 2014) — C. Testa (graduated Nov 2012) — M. Gallo (graduated Nov 2012), co-advised with L. Muscariello, Orange — P. M. Santiago del Rio (visiting 2012), co-advised with J. Aracil, Universidad Autonoma Madrid (UAM) — R. Vilardi (visiting 2012), co-advised with G. Boggia, Politecnico di Bari — P. Veglia (graduated Sep 2011) — S. Valenti (graduated Sep 2011) — P. Bermolen (graduated Feb 2010), co-advised with F. Baccelli, INRIA
PostDocs and Visiting Research Fellows	<ul style="list-style-type: none"> — M. Crovella (Visiting Professor from Boston University, 2018) https://www.cs.bu.edu/faculty/crovella/ — R. Rejate (Visiting Professor from University of Oregon, 2018) https://ix.cs.uoregon.edu/~reza/ — T. Zhang (PostDoc, 2018-2019) — D. Da Hora (PostDoc, 2017-2018) — L. Linguaglossa (PostDoc, 2017-2019) — S. Pontarelli (Visiting Researcher from University of Rome Tor Vergata, 2017) — M. Tortelli (2015-2017) — J. Auge (PostDoc, 2014-2015) — D. Zeaiter Joumlatt (PostDoc, 2013-2015) — L. De Cicco (Visiting Researcher from Politecnico di Bari, 2013-2014) — J. Alcober (Visiting Researcher from Universitat Politecnica de Catalunya, 2008)

	<ul style="list-style-type: none"> — F. Spinelli (2019) — V. Bruschi (2018) — V. A. Krishna (2017) — A. Putina (2017) — F. Salutari (2017) — G. Milotta (2016) — J. Ficapal (2016) — V. Martino (2016) — S. Giuffrida (2015) — L. Bordone (2014) — D. Cicalese (2014) — V. Di Gennaro (2014) — F. Espinet (2014) — S. Colabrese (2013) — G. Nassopoulos (2013) — S. D'Ambrosio (2013) — P. Casoria (2013) — P. Gu (2013) — A. Araldo (2013) — W. Bellante (2012) — M. Spina (2012) — R. Chiocchetti (2012) — C. Chirichella (2012) — D. Tamaro (2010) — A. Raju Kishore (2010) — E. Alessandria (2010) — G. Rossini (2010) — M. Sammarco (2010) — G. LaMantia (2009) — E. Sottile (2009) — A. Ktari (2009) — A. Finamore (2008) — M. Arujo Cardenas (2007) — D. Bonfiglio (2007) — N. Ritacca (2007) — S. Ricci (2006)
HDR Jury	<ul style="list-style-type: none"> — Fabien Geyer, TU Munich (to be held) — Gwendal Simon, Telecom Bretagne (2015)
PhD Jury	<ul style="list-style-type: none"> — Tom Barbette (Examiner, 2018) — Luca Vassio (President, 2018) — Zied Aouini (Reviewer, 2017) — Nassima Bouzakaria (Examiner, 2017) — Jonatan Krolkowski (mi-parcours, 2017) — Walid Benchaïta (President, 2016) — Leonce Mekinda (President, 2016) — Leonardo Linguaglossa (Examiner, 2016) — Cesar Bernardini (Reviewer, 2015) — Muhammad Faheem (Examiner, 2014) — Ghida Ibrahim (President, 2014) — Nathalia Rozhanova (mi-parcours, 2014) — Tristan Groleat (2014) — Nan Zhao (Examiner, 2014) — Yasir Khan (mi-parcours, 2013) — Stephane Wustner (mi-parcours, 2013) — Nan Zhao (mi-parcours, 2013) — Ahlem Reggani (mi-parcours, 2013) — Nada Sbihi (mi-parcours, 2012) — Ghida Ibrahim (mi-parcours, 2012) — Felipe Mata Marcos (Reviewer, 2012) — Alexandre Lung Yut Fong (Examiner, 2011) — Diego Alberto (Examiner, 2010) — Noureddine Boujnah (Examiner, 2010) — Mauricio Andres Caceres Duran (Examiner, 2010) — Valentina Martina (Examiner, 2010) — Francesco Mininni (Examiner, 2009) — Robert Birke (Examiner, 2009) — Michele Petracca (Examiner, 2009) — Davide Cuda (Examiner, 2009)

- IEEE Transactions on Networks and Service Management (Associate Editor)
- IEEE Transactions on Green Communications and Networking (Associate Editor)
- IEEE Journal on Selected Areas in Communications (Associate Editor, Green Communications and Networking Series)
- Elsevier Computer Networks Journal (Associate Editor)
- IEEE Spectrum (Reviewer)
- IEEE Networks (Reviewer)
- IEEE Transactions on Networking (Reviewer)
- IEEE Transactions on Parallel and Distributed Systems (Reviewer)
- IEEE Transactions on Mobile Computing (Reviewer)
- IEEE Transactions on Network and Service Management (Reviewer)
- IEEE Transactions on Circuits and Systems for Video Technology (Reviewer)
- Elsevier Computer Networks Journal (Reviewer)
- Elsevier Computer Communications (Reviewer)
- Springer Peer-to-Peer Networking and Applications (Reviewer)
- Springer Annals of Telecommunications (Reviewer)
- Wiley Security and Communication Networks (Reviewer)

Scientific seminar

- I created the seminar of the INFRES department in 2008 and run it for 10 years.
- The seminar was jointly organized with H. Randriam during 2010.
 - The seminar has hosted over 300+ talks (see the full list)

Steering and Program Committees
Chairing

- Chair of Huawei Global Connect, November 2020 (virtual)
- Workshop Co-Chair of **ACM CoNEXT'20**, December 2020, Barcelona, Spain.
- Best Paper Committee of **PAM'20** Passive and Active Measurement, March 2020, Oregon, US
- Award Committee of **ITC30 star award**, 2018–2020
- Chair of Huawei Global Connect, April 2019, Versailles, France
- Vice Chairman of the **International Teletraffic Conference** Steering committee, 2014-onward
- Steering committee of **ACM SIGCOMM AINTEC**, 2015–2019
- Co-Chair of **TMA PhD School'18** IFIP Traffic Measurement and Analysis Conference, June 2018, Vienna, Austria,
- Sponsorship Chair of **IFIP TMA'18** IFIP Traffic Measurement and Analysis Conference, June 2018, Vienna, Austria,
- Area Chair of **ITC29**, 29th ITC conference, Area #4 (Measurements and Big Data Analytics), Genoa, Italy, September 2017,
- PC Chair of **ACM SIGCOMM ICN 2016**, 3rd ACM Conference on Information-Centric Networking (ICN 2016), 26–28 September 2016
- PC Chair of **AINTEC 2014**, 10th Asian Internet Engineering Conference (AINTEC), Thailand, November, 2014 held in cooperation with ACM SIGCOMM
- General Chair of **ACM SIGCOMM PhD School on TMA 2014** 4th PhD School on Traffic Monitoring and Analysis, London, UK, 14–16 April 2014
- PC Chair of **AINTEC 2013** 9th Asian Internet Engineering Conference (AINTEC)

Technical Program Committees
2021

- **NetSys 2021**, Conference on Networked Systems, Machine Learning in Networking workshop, March 08–11, 2021, LÄjbeck, Germany
- **IEEE INFOCOM'21**, 38th IEEE International Conference on Computer Communications, April 2021

2020

- **IEEE INFOCOM'20**, 37th IEEE International Conference on Computer Communications, April 2020, Beijing China (postponed and online only)
- **ITC'32**, International Teletraffic Congress, September 2020, Osaka, Japan
- **PAM'20** Passive and Active Measurement (PAM) conference, March 2020, Oregon, US

2019

- **IEEE INFOCOM'19**, 37th IEEE International Conference on Computer Communications, April 2019, Paris, France
- **WWW Wiki workshop'19**, 30th Web Conference (WWW), May 2019, San Francisco, CA
- **ITC31**, International Teletraffic Congress, August 2019, Budapest, Hungary

2018

- **ACM SIGCOMM'18**, 32st ACM SIGCOMM Conference, Poster and demo track, August 2018, Budapest, Hungary
- **IEEE INFOCOM'18**, 36th IEEE International Conference on Computer Communications, April 2018, Hawaii, US
- **ITC30**, ITC30 Area 2: Network Measurements and Big Data, September 3–7, 2018, Vienna, Austria
- **FMEC2018**, Third International IEEE Conference on Fog and Mobile Edge Computing (FMEC'18), April 23–26, 2018, Barcelona, Spain.

- 2017
 - **ACM CoNEXT'17**, 13th ACM International Conference on emerging Networking EXperiments and Technologies (CoNEXT'17),
 - **ACM ICN'17**, 4th ACM Conference on Information-Centric Networking (ICN'17), Sep. 26-28, Poster and demo session.
 - **ITC29**, 29th ITC conference, Area #1 (Networking, Cloud/Fog/Ubiquitous Computing, and Applications, Genoa, Italy, September 2017
 - **BigDAMA'17**, 1st ACM SIGCOMM 2017 Workshop on Big Data Analytics and Machine Learning for Data Communication Networks (Big-DAMA'17)
 - **ACM SIGCOMM'17**, 31st ACM SIGCOMM Conference, Poster and demo track, Los Angeles, CA, USA, August 2017
 - **IFIP TMA'17**, IFIP Network Traffic Measurement and Analysis Conference, Dublin, Ireland, June 2017
 - **IEEE INFOCOM'17**, 35th IEEE International Conference on Computer Communications Atlanta, USA, May 2017 **Distinguished Member Award ★**
 - **CCDWN**, 2nd workshop on Content Delivery and Caching in Wireless Networks (CCDWN'17), co-located with WiOpt 2017, Paris France, May 2017
- 2016
 - **IEEE INFOCOM'16** 34th IEEE International Conference on Computer Communications, Hong Kong, China, 26 April - 1 May, 2015. **Distinguished Member Award ★**
 - **ITC28** The 28th International Teletraffic Congress (ITC28), Wuezburg, Germany September 12-16, 2013, held in cooperation with ACM SIGCOMM
- 2015
 - **IEEE INFOCOM'15** 34th IEEE International Conference on Computer Communications, Hong Kong, China, 26 April - 1 May, 2015. **Distinguished Member Award ★**
 - **ACM SIGCOMM ICN'15** 2nd ACM conference on Information-centric Networking, San Francisco, USA, September 30 - October 2, 2015.
 - **ICNC'15**, International Conference on Computing, Networking and Communications, Anaheim, CA, USA, February 16-19, 2015
 - **PAM'15** Passive and Active Measurement Conference, New York City, NY, March 19-20, 2015
- 2014
 - **IEEE INFOCOM'14** 33rd IEEE International Conference on Computer Communications, Toronto, Canada, April 27-May 2, 2014
 - **TMA 2014** 6th International Workshop on Traffic Monitoring and Analysis (TMA), London, UK,
 - **TRAC 2014** 5th International Workshop on TRaffic Analysis and Characterization, Nicosia, Cyprus, August 4-8, 2014
 - **EuCNC 2014** 23rd European Conference on Networks and Communications, Bologna, Italy, June 23-26, 2014.
 - **IEEE Globecom'14** IEEE Global Communication Conference, Austin, Texas, US, 9-12 December, 2014
 - **IEEE CCNC'14** 11th Annual IEEE Consumer Communication and Networking Conference (CCNC 2014), Las Vegas, January, 2014
 - **IEEE ICNC'14** International Conference on Computing, Networking and Communications (ICNC 2014), Honolulu, Hawaii, USA, February 3-6, 2014
- 2013
 - **ACM CoNEXT 2013** 9th International Conference on emerging Networking EXperiments and Technologies (CoNEXT), Santa Barbara, CA, USA, 9-12 December 2013
 - **ITC25** The 25th International Teletraffic Congress (ITC25), Shanghai, China, September 10-12, 2013.
 - **IEEE TRICANS'13** 1st IEEE ICC Workshop on Traffic Identification and Classification for Advanced Network Services and Scenarios (TRICANS), Budapest, June 2013
 - **IEEE ISWCS'13 Workshop on Energy Efficient Wireless Networks** co-located with the 10th International Symposium on Wireless Communication Systems, Ilmenau, Germany, 27-30 August
 - **IEEE ISCC 2013** 18th IEEE Symposium on Computers and Communications, Split, Croatia, July 7-10, 2013
 - **IEEE ICC'13** IEEE International Conference on Communications, Budapest, 9-13 June 2013
 - **IEEE INFOCOM'13** The 31th IEEE International Conference on Computer Communications, Turin, Italy, 13-19 April 2012
 - **IEEE INFOCOM Workshop on Emerging Design Choices in Name-Oriented Networking (NOMEN'13)** co-located with the 31th IEEE International Conference on Computer Communications, Turin, Italy, 13-19 April 2012
 - **IEEE INFOCOM Workshop on Traffic Measurement and Analysis (TMA'13)** co-located with the 31th IEEE International Conference on Computer Communications, Turin, Italy, 13-19 April 2012
 - **ACM SAC'13** 28th ACM Symposium on Applied Computing, Coimbra, Portugal, March 18-22, 2013
 - **IEEE CCNC'13** 10th Annual IEEE Consumer Communications and Networking Conference, Las Vegas, January, 2013

2012	<ul style="list-style-type: none"> — AINTEC 2012 8th Asian Internet Engineering Conference (AINTEC) 2012, November 14-16, in Bangkok, Thailand. — IEEE CAMAD 2012 IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD), Barcelona, Spain, 17-19 September 2012 — IEEE ISCC 2012 17th IEEE International Symposium on Computer and Communications, Cappadocia, Turkey, July 1-4, 2012 — IEEE GCN 2012 IEEE ICC'12 Workshop on Green Communications and Networking, Ottawa, Canada, June 10-15 2012 — IEEE ICC 2012 IEEE International Conference on Communications, Ottawa, Canada, June 10-15 2012 — IEEE WCNC 2012 Workshop on Future Green Communications IEEE Wireless Communications and Networking Conference (WCNC 2012), Workshop on Future Green Communications, Paris, France 1 April 2012 — ACM SAC 2012 The 27th Annual ACM Symposium on Applied Computing, Networking Track, March 25-29, 2012, Riva del Garda (Trento), Italy. — IEEE INFOCOM 2012 The 30th IEEE International Conference on Computer Communications, Orlando, FL, 20-25 March 2012 — IEEE INFOCOM Workshop on Emerging Design Choices in Name-Oriented Networking (NOMEN'2012) Co-located with the 30th IEEE International Conference on Computer Communications, Orlando, FL, 20-25 March 2012 — IEEE INFOCOM Workshop on Communications and Control for Sustainable Energy Systems (CCSES): Green Networking and Smart Grids Co-located with the 30th IEEE International Conference on Computer Communications, Orlando, FL, 20-25 March 2012 — TMA 2012 4th COST TMA International Workshop on Traffic Monitoring and Analysis, colocated with Passive and Active Measurement (PAM 2012), Vienna, Austria, March 12-14, 2012 — IEEE CCNC 2012 The 9th Annual IEEE Consumer Communications and Networking Conference, Las Vegas, NV, 7-14 January 2012
2011	<ul style="list-style-type: none"> — IEEE GLOBECOM 2011, IEEE Global Communication Conference, Orlando, Texas, US, 5- 9 December, 2011, — IEEE CSE 2011, The 14th IEEE International Conference on Computational Science and Engineering, Dalian, China, 24-26 August 2011 — IEEE ISCC 2011, IEEE International Symposium on Computer Communications, Corfu, Greece, June 28 - August 1, 2011, — TMA 2011, Third COST TMA International Workshop on Traffic Monitoring and Analysis, colocated with European Wireless 2011, Vienna, Austria, April 27, 2011 — IEEE ICC 2011, IEEE International Conference on Communications, Kyoto, Japan, 5-9 June 2011 — IEEE International Workshop on Cross-Layer Operation Aided Multimedia Streaming, colocated with the 73rd IEEE Vehicular Technology Conference (VTC2011-Spring), Budapest, Hungary, 15-18 May 2011, — IEEE INFOCOM Workshop on Green Communications and Networking, Co-located with IEEE INFOCOM 2011, Shanghai, China, 10-15 April 2011
2010	<ul style="list-style-type: none"> — IEEE GLOBECOM'10, IEEE Global Communications Conference, Miami, FL, USA, 6-10 December 2010 — IEEE ISCC'10, IEEE International Symposium on Computer Communications, Riccione, Italy, June 22 - 25, 2010 — IEEE ICC'10, IEEE International Conference on Communications, Capetown, South Africa, 23-26 May, 2010 — TMA'10, 2nd Traffic Monitoring and Analysis Workshop, colocated with Passive and Active Measurement Conference, Zurich, Switzerland, April 7, 2010,
2009	<ul style="list-style-type: none"> — IEEE ISCC'09, International Symposium on Computers and Communications, Sousse, Tunisia, July 5 - 8, 2009, — ITCSS-20, 20th ITC Specialist Seminar (ITCSS-20), Hoi An, Viet Nam, 18-20 May 2009, — TMA'09, 1st Traffic Monitoring and Analysis Workshop, co-located with IFIP Networking 2009, Aachen, Germany, May 11-15, 2009, — IEEE ICC'09, IEEE International Conference on Communications, June 14-18, Dresden, Germany, 2009,

2008	<ul style="list-style-type: none"> — IEEE MP2P'08, 5th IEEE Workshop on Mobile P2P Computing, held in conjunction with the 6th IEEE International Conference on Pervasive Computing and Communications (PerCom'08), Hong Kong, China, March 17 - 21, 2008 — IEEE ICC'08, IEEE International Conference on Communications, Wireless Networking Symposium, Beijing, China, 19-23 May 2008 — IEEE IT-NEWS'08, 4th International Telecommunication NETworking WorkShop on QoS in Multiservice IP Networks, February 2008 in Venice, Italy
2007	<ul style="list-style-type: none"> — MoVeNet'07, International Workshop on Mobile Vehicular Networks, October 12, 2007, Pisa, Italy (Co-Located with IEEE MASS 2007) — IEEE IPCCC'07, 26th IEEE International Performance Computing and Communications Conference, April 2007, New Orleans, Louisiana, USA
Research Projects	<p>Project management at Telecom ParisTech:</p> <ul style="list-style-type: none"> — NewNet@Paris (2016-2018): Cisco's Chair "NETWORKS FOR THE FUTURE" at Telecom ParisTech (Lead D.Rossi) — KIC EIT ICT Labs (2015): Virtual Data Plane for Software defined network Content (Lead D. Perino, Nokia) — FP7 IP mPlane (2013-2015): A monitoring Plane for the Internet (Lead M. Mellia, Polito) — KIC EIT ICT Labs (2012-2013): Smart Ubiquitous Content (Lead R. Lo Cigno, Trento) — Orange Labs CRE Grant (2010-2012): Locarn++ (Lead D.Rossi) — ANR VERSO CONNET (2011-2013): Content Oriented Networking (Lead G. Carofiglio, Alcatel Lucent Bell Labs) — Orange Labs CIFRE Grant (2010-2012): M. Gallo PhD thesis. — Cost IC0703 Tma (2008-2011): Traffic Monitoring and Analysis (Lead F. Ricciato, Ftw) — Eureka Celtic Trans (2008-2010): Traffic Aware Network and Services (Lead D. Kofman, RAD) — Eureka Celtic Tiger2 (2008-2010): Together IP, GMPLS and Ethernet Reconsidered, Phase 2 (Lead L. Ciavaglia, Alcatel-Lucent) — Fp7 Strep Napa-Wine (2007-2010): Network Aware P2P Application over Wise Networks (Lead E. Leonardi, Politecnico di Torino) — Eureka Celtic Tiger (2006-2008): Together IP, GMPLS and Ethernet Reconsidered (Lead N. Le Sauze, Alcatel-Lucent). <i>Tiger received the Celtic Excellence Award in Gold.</i> <p>Previous project involvement:</p> <ul style="list-style-type: none"> — Miur Prin Mimosa (2005-2007): Misure sperimentali e MODelli di traffico dati multiServizio a pAcchetto (Lead Prof. A. Pattavina, Politecnico di Milano) — Miur Prin Famous (2005-2007): Fluid Analytical Models Of aUtonomic Systems (Lead Prof. A. Lombardo, Università degli Studi di Catania) — EuroNGI JRA.S.13 Ipam (2005-2006): Integration of Passive and Active Measurement Platforms (Lead Prof. R. Valadas, IT Aveiro) — Fp7 NoE EuroNGI (2004-2006): Network of Excellence on the Next Generation Internet (Lead Prof D. Kofman, Telecom ParisTech) — Miur Prin Pattern (2003-2005): Protocols And cross-layer Techniques To achieve Energy-efficiency in Reconfigurable ad-hoc and sensor Networks (Lead Prof. G. Mazzini, Università di Ferrara) — Miur Firb Tango (2001-2003): Traffic models and Algorithms for Next Generation IP networks Optimization (Lead Prof. G. Prati, CNIT)
Publication list	
Note	Complete list of publications by date , by type and by project as well as the list of award winning publications and a selection of the most recent ones, are available online from my webpage. Below, publications are arranged by date.
Bibliometry	Up-to-date information available from my Google scholar profile.
2021 : [12]	Massimo Gallo, Alessandro Finamore, Gwendal Simon, Dario Rossi, "FENXI: Fast In-Network Analytics", <i>IEEE/ACM Symposium on Edge Computing (SEC)</i> , Dec., 2021
[11]	Jonatan Krolikowski, Ovidiu Iacobaiea, Zied Ben Houidi, Dario Rossi, "WiFi Dynoscope: Interpretable Real-Time WLAN Optimization", <i>IEEE INFOCOM, Demo session</i> , may, 2021
[10]	Lixuan Yang, Alessandro Finamore, Jun Feng, Dario Rossi, "Deep Learning and Traffic Classification: Lessons learned from a commercial-grade dataset with hundreds of encrypted and zero-day applications: ", , 2021,

- [9] Lixuan Yang, and Dario Rossi, "Quality monitoring and assessment of deployed Deep Learning models for Network AIOps: ", , 2021,
- [8] Ovidiu Iacobaiea, Jonatan Krolikowski, Zied Ben Houidi, Dario Rossi, " ", , 2021,
- [7] Huet, Alexis, Saverimoutou, Antoine, Houidi, Zied Ben, Shi, Hao, Cai, Shengming, Xu, Jinchun, Mathieu, Bertrand, Rossi, Dario, "Deployable models for approximating web QoE metrics from encrypted traffic", *IEEE Transactions on Network and Service Management* pp. 839-854, march, 2021
- [6] Jose Manuel Navarro, Alexis Huet, Dario Rossi, "Human readable network troubleshooting based on anomaly detection and feature scoring: ", , 2021,
- [5] Zied Ben Houidi, Jonatan Krolikowski, Ovidiu Constantin Iacobaiea, "A method for movement prediction combining supervised and unsupervised learning",
- [4] Alessandro Finamore and Massimo Gallo and Gwendal Simon and Dario Rossi, "Controller For A Cache And Method For Controlling A Cache", , ,
- [3] Ovidiu Iacobaiea, Jonatan Krolikowski, Zied Ben Houidi, Dario Rossi, "Real-Time Channel Management in WLANs: Deep Reinforcement Learning Versus Heuristics", *IFIP Networking, Helsinki, Finland*, , 2021
- [2] Jose Manuel NAVARRO, Alexis HUET, Dario ROSSI, Andrian PUTINA, Mauro SOZIO, "System and method for combining anomaly detection algorithms",
- [1] Lixuan Yang, Feng Jun, Dario Rossi, "Device and method for identifying unknown classes for artificial neural networks",
- 2020:** [21] Andrian Putina, Mauro Sozio, Jose M. Navarro, Dario Rossi, "Random Histogram Forest for Unsupervised Anomaly Detection", *20th IEEE International Conference on Data Mining (ICDM)*, Nov., 2020 [PDF]
- [20] Sarah Wassermann, Pedro Casas, Zied Ben Houidi, Alexis Huet, Michael Seufert, Nikolas Wehner, Joshua Schuler, Sheng-Ming Cai, Hao Shi, Jinchun Xu, Tobias Hossfeld, Dario Rossi, "Are you on Mobile or Desktop? On the Impact of End-User Device on Web QoE Inference from Encrypted Traffic", *IEEE International Conference on Network and Service Management (CNSM)*, Nov., 2020 [PDF]
- [19] Alexis Huet, Zied Ben Houidi, Bertrand Mathieu, Dario Rossi, "Detecting Degradation of Web Browsing Quality of Experience (QoE)", *IEEE International Conference on Network and Service Management (CNSM)*, Nov., 2020 [PDF]
- [18] Andrian Putina, Dario Rossi, "Online anomaly detection leveraging stream-based clustering and real-time telemetry", *IEEE Transactions on Network and Service Management*, Vol. 18, No. 1, pp. –, November, 2020 [PDF]
- [17] James Roberts, Dario Rossi, "Method Of Managing Data Transmission For Ensuring Per-Flow Fair Bandwidth Sharing", *Patent PCT/EP2020/080037*
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- [11] German Sviridov, Cedric Beliard, Gwendal Simon, Andrea Bianco, Paolo Giaccone, Dario Rossi, "Leveraging AI players for QoE estimation in cloud gaming", *IEEE INFOCOM, Demo session*, july, 2020 [PDF]
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- [8] Vamsi Addanki, Leonardo Linguaglossa, James Roberts, Dario Rossi, "Controlling software router resource sharing by fair packet dropping", , May, 2018 [PDF]
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