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Education

<i>Jul 2014</i>	HDR (Habilitation à Diriger des Recherches) Université de Lyon I, France
<i>Apr 2008</i>	PhD in Electronics and Telecommunications Engineering Politecnico di Torino, Italy
<i>Jul 2004</i>	MSc in Computer Science (110/110) Politecnico di Torino, Italy
<i>Dec 2003</i>	MSc in Computer Science University of Illinois at Chicago, IL, USA

Professional career

<i>Sep 2016 – now</i>	Royal Society visiting research fellow Department of Geography University College Londong (UCL), UK
<i>Mar 2013 – now</i>	Permanent researcher Institute of Electronics, Computer & Telecommunication Engineering National Research Council of Italy (CNR), Italy
<i>Sep 2009 – Feb 2013</i>	Associate professor Department of Telecommunications Institut National des Sciences Appliquées (INSA) de Lyon, France
<i>Sep 2009 – Feb 2013</i>	Associate researcher Équipes SWING & UrbaNet Inria, France
<i>Sep 2008 – Nov 2008</i>	Visiting researcher Computer Architecture Department Universitat Politècnica de Catalunya, Spain <i>Supervisor: Prof. José M. Barcelo-Ordinas</i>
<i>Apr 2008 – Aug 2009</i>	Postdoctoral fellow Electronics and Telecommunication Department Politecnico di Torino, Italy <i>Supervisors: Prof. Claudio Casetti, Prof. Carla-Fabiana Chiasserini</i>
<i>Sep 2006 – Apr 2007</i>	Visiting PhD student Rice Networks Group Rice University, TX, USA <i>Supervisor: Prof. Edward W. Knightly</i>
<i>Jan 2005 – Mar 2008</i>	PhD candidate Electronics and Telecommunication Department Politecnico di Torino, Italy <i>Supervisor: Prof. Claudio Casetti</i>

Affiliations

Senior member of the Institute of Electrical and Electronics Engineers (IEEE – S'05, M'08, SM'17) and member of the Association for Computing Machinery (ACM – M'15)

Professional certifications

<i>Apr</i> 2017	National qualification for full professor tenure Field: 09/F2 – Telecommunications Ministero dell'Istruzione dell'Università e della Ricerca, Italia
<i>Apr</i> 2017	National qualification for associate professor tenure Field: 09/F2 – Telecommunications Ministero dell'Istruzione dell'Università e della Ricerca, Italia
<i>Jan</i> 2009	National qualification for associate professor tenure (<i>Qualification aux fonctions de Maître de Conférences</i>) Settore: CNU 27 – Computer Science Ministère de l'Enseignement Supérieur et de la Recherche, France
<i>Nov</i> 2004	National professional qualification Computer Science engineering, Italy
<i>Jun</i> 2002	TOEFL (273/300) (<i>Test of English as a Foreign Language</i>) ETS, NJ, USA

Fellowships and awards

<i>Jun</i> 2017	DTL Grant Data Transparency Lab
<i>Apr</i> 2017	Finalist nomination Marie Skłodowska-Curie Prizes 2017, Malta
<i>Sep</i> 2016	Royal Society International Exchange fellowship University College London, UK
<i>Apr</i> 2016	Distinguished TPC member nomination IEEE INFOCOM 2016
<i>Sep</i> 2015	Finalist nomination Telecom Italia Big Data Challenge 2015, Italy
<i>Apr</i> 2014	Marie Curie Career Reintegration Grant European Commission
<i>Sep</i> 2013	Finalist nomination ACM/IEEE MSWiM 2013 best paper award
<i>Jan</i> 2012	National scientific excellence award (<i>Prime pour l'Excellence Scientifique</i>) Ministère de l'Enseignement Supérieur et de la Recherche, France
<i>Jan</i> 2005	PhD fellowship Istituto Superiore Mario Boella, Italy

Supervising experience

Graduate students and interns

- 23 among graduate students and interns, on four-to-eight-month research projects

PhD students

- **Guangshuo Chen**, (CNR, visiting), Nov 2015 - Feb 2016
- **Dr. Diala Naboulsi**, (INSA Lyon), Sep 2012 - Oct 2015

- Dr. **Sandesh Upoor**, (INSA Lyon), Oct 2010 - Nov 2013
- Dr. **Pedro Olmo Stancioli**, (INSA Lyon, visiting), Feb 2011 - Aug 2011

Postdoctoral students

- Dr. **Panagiota Kastikouli** (Inria), Nov 2017 - Mar 2019
- Dr. **Stavros Ntalampiras** (CNR, ERCIM fellow), Apr 2017 - Mar 2018
- Dr. **Elli Zavou** (Inria), Jan 2017 - Jun 2018
- Dr. **Sahar Hoteit** (Inria), Jan 2016 - Dec 2016
- Dr. **Anh-Dung Nguyen** (Inria), Oct 2015 - Sep 2016
- Dr. **Ghazaleh Khodabandelou** (Télécom SudParis), Sep 2015 - Aug 2016
- Dr. **Christian Glacet** (CNR, ERCIM fellow), Apr 2015 - Mar 2016
- Dr. **Angelo Furno** (Inria), Nov 2014 - Aug 2016
- Dr. **Marco Gramaglia** (CNR), Sep 2014 - Aug 2015

Teaching experience

2010 – 2013	Lecturer <i>"Network performance evaluation"</i> (in French) Telecommunication Engineering degree Institut National des Sciences Appliquées de Lyon, France
2010 – 2012	Lecturer <i>"Networks of the future"</i> (in English) Master Systèmes Informatiques et Réseaux Université de Lyon I, France
2010 – 2012	Lecturer <i>"Advanced wireless networks"</i> (in English) Information Science & Technology Semester Institut National des Sciences Appliquées de Lyon, France
2009 – 2012	Lecturer <i>"Network architectures, services and protocols"</i> (in French) Telecommunications Engineering degree Institut National des Sciences Appliquées de Lyon, France
2009 – 2011	Lecturer <i>"Introduction to networking"</i> (in French) Telecommunications Engineering degree Institut National des Sciences Appliquées de Lyon, France
2009	Adjunct lecturer <i>"Ad-hoc wireless networks"</i> (in English) Master in Innovative Wireless Services Politecnico di Torino, Italy
2007 – 2009	Adjunct lecturer <i>"Evolution of wireless communication networks"</i> (in Italian) Computer Science & Telecommunications Engineering distance-learning degree Politecnico di Torino, Italy
2005 – 2006	Adjunct lecturer <i>"Introduction to telecommunications networks"</i> (in Italian) Computer Science & Telecommunications Engineering distance-learning degree Politecnico di Torino, Italy

Professional service

Editing

2014 – now	Technical Committee member Elsevier Computer Communications
2016	Lead guest editor Elsevier Computer Communications, special issue on “ <i>Mobile Traffic Analytics</i> ”

Chairing

Dec 2017	Poster/Demo Co-Chair IEEE VNC 2017
Oct 2017	Poster/Demo Co-Chair ACM CarSys 2017
Mar 2017	Co-Chair Data Analytics for Mobile Networking workshop (DAMN!) co-located with IEEE PerCom 2017
Nov 2013	Co-Chair Wireless Models and Simulations Track IEEE/IFIP Wireless Days 2013
Jun 2013	Co-Chair Wireless Networks, Access Control, and Resource Management Track IEEE VTC-Spring 2013
Dec 2012	Co-Chair First Workshop on Urban Networking (UrbaNe) co-located with ACM CoNEXT 2012

Technical Program Committees

- IEEE Conference on Computer Communications (**INFOCOM**), 2016–2018
- IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (**WoWMoM**), 2011–2018
- IEEE Wireless Communications and Networking Conference (**WCNC**), 2018
- IEEE International Conference Wireless On-demand Network Systems and Services (**WONS**), 2011–2014, 2016–2018
- IFIP Networking Conference (**Networking**), 2018
- IEEE 5G World Forum (**WF-5G**), 2018
- IEEE World Forum on Internet of Things (**WF-IoT**), 2015–2016, 2018
- IEEE/IFIP **Wireless Days**, 2014, 2016–2017
- IEEE International Conference on Communications (**ICC**), 2014–2017
- IEEE Vehicular Technology Conference (**VTC**), 2013-Fall, 2015-Spring, 2015-Fall, 2016-Spring, 2016-Fall, 2017-Spring, 2017-Fall
- ACM International Workshop on Wireless Network Testbeds, Experimental evaluation & CHaracterization (**WINTeCH**), 2016–2017
- Workshop on Mobility in the Evolving Internet Architecture (**MobiArch**), 2015–2017
- Workshop on Big Data Analytics and Machine Learning for Data Communication Networks (**Big-DAMA**), 2017
- Reproducibility Workshop (**Reproducibility**), 2017
- IEEE Cognitive Radio Applications and Algorithms (**CORAL**), 2016–2017
- IEEE Workshop on Smart Vehicles: Connectivity Technologies and ITS Applications (**SmartVehicles**), 2014–2015, 2017
- Global IoT Summit (**GIoTS**), 2017

- Annual IoT Global Innovation Forum (**IoTGF**), 2017
- IEEE International Smart Cities Conference (**ISC2**), 2016–2017
- ACM Workshop on Connected and Automated Vehicle Mobility (**CarSys**), 2017
- International Workshop on Reliable Intelligent Systems (**RISE**), 2017
- IEEE International Workshop on Communications Quality and Reliability (**CQR**), 2017
- International Workshop on KNOWledge Discovery from Mobility and Transportation Systems (**KnowME**), 2017
- Workshop on Modelling, Analysis and Control of Intelligent Mobility-on-Demand Systems (**MoD**), 2017
- IEEE Vehicular Networking Conference (**VNC**), 2014–2016
- Workshop on **All Things Cellular**: Operations, Applications, and Challenges, 2016
- Workshop on Internet of Vehicles and Vehicles of Internet (**IoV-VoI**), 2016
- International Conference on Connected Vehicles and Expo (**ICCVE**), 2013–2015
- IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (**WiMob**), 2012–2015
- Extreme Conference on Communication (**ExtremeCom**), 2011–2015
- IEEE Global Communications Conference (**GLOBECOM**), 2014
- IEEE International Conference on Sensing, Communication and Networking (**SECON**), 2013–2014
- IEEE International Conference Wireless On-demand Network Systems and Services (**WONS**), 2011–2014
- IEEE Broadband Wireless Access workshop (**BWA**), 2012–2013
- IEEE International Conference on Computer Communication Networks (**ICCCN**), 2012–2013
- ACM International Workshop on Hot Topics in Planet-scale Measurement (**HotPlanet**), 2012
- International Workshop on Vehicular Communications and Applications (**VCA**), 2012
- IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (**PIMRC**), 2008, 2011
- Flexibility in Broadband Wireless Access Network Workshop (**FlexBWAN**), 2011
- International Symposium on Wireless Personal Multimedia Communications (**WPMC**), 2008–2009, 2011
- IEEE Workshop on Intelligent Vehicular Networks (**InVeNET**), 2009–2010
- International Wireless Communications and Mobile Computing Conference (**IWCMC**), 2010
- International Workshop on Dynamic Networks (**WDN**), 2010
- IEEE International Symposium on Wireless Vehicular Communications (**WiVeC**), 2010
- IEEE Vehicular Networks & Applications Workshop (**Vehi-Mobi**), 2009
- ACM International Conference on emerging Networking EXperiments and Technologies (**CoNEXT**), *shadow TPC*, 2008

Project proposal evaluation

- 2017 - Open call two of the H2020 FIRE+ MONROE project
- 2017 - Call “Appel Gnrique 2017” by the National Research Agency (ANR) of France
- 2016 - Call “Appel Gnrique 2016” by the National Research Agency (ANR) of France

- 2016 - Call “Fondo per la Crescita Sostenibile - Agenda Digitale” by the Italian Ministry of Economic Development (MiSE)
- 2015 - Call “Fondo per la Crescita Sostenibile - Orizzonte 2020” by the Italian Ministry of Economic Development (MiSE)
- 2015 - Call “Appel Gnrrique 2015” by the National Research Agency (ANR) of France
- 2014 - Call for postdoctoral research fellowships by the PRESTIGE FP7 Marie Curie COFUND programme
- 2013 - Call for national research projects of the Department of International Relations (DRI) of the National Commission for Scientific and Technological Research of the Government of Chile (CONICYT)
- 2012 - Call “Blanc International” by the National Research Agency (ANR) of France
- 2011 - Call “Infrastructure for the digital society (INFRA)” by the National Research Agency (ANR) of France
- 2010 - Call “Multi-annual Thematic Research Program (CORE)” by the Luxembourg National Research Fund (FNR)
- 2010 - Call “STIC-South America scientific-technological cooperation programme” involving France, Argentine, Brazil, Chile, Paraguay, Peru and Uruguay

Institutional committees

- **Member of the Faculty Committee**, Department of Telecommunications, INSA Lyon, France, 2011–2013
- **Faculty in charge of MSc theses**, Department of Telecommunications, INSA Lyon, France, 2011–2013

PhD defense committees

- **Rim Ben Massaoud** (evaluator), Université Paris Est, 2017
- **Qiankun Su** (reviewer), INP Toulouse, 2017
- **Benjamin Baron** (reviewer), Université Pierre et Marie Curie, 2016
- **Alexis Sultan** (reviewer), Telecom Sud Paris, 2016
- **Fereshteh Asgari** (reviewer), Telecom Sud Paris, 2016
- **Marie-Ange Lèbre** (evaluator), INSA Lyon, 2016
- **Farouk Mezghani** (reviewer), INP Toulouse, 2015
- **Eduardo Mucelli** (reviewer), École Polytechnique, 2015
- **Sébastien Faye** (reviewer), Telecom ParisTech, 2014
- **Nadia Haddadou** (evaluator), Université Paris Est, 2014
- **Razvan Stanica** (evaluator), INP Toulouse, 2011
- **Valentina Martina** (reviewer), Politecnico di Torino, 2011
- **Saed Tarapiah** (reviewer), Politecnico di Torino, 2010

Invited talks

- **Keynote speech** on “*Hidden Structures in Mobile Network Traffic*” Network of the Future (NoF), London, UK, Nov 2017
- **Invited talk** on “*Privacy in mobile phone trajectory data: indistinguishability and uninformativity*” Imperial College London, London, UK, Oct 2017
- **Invited talk** on “*Spatiotemporal classification of the mobile network demand*” University College London, London, UK, Mar 2017
- **Invited talk** on “*Spatiotemporal classification of the mobile network demand*” UCN@Sophia Labex seminar et EURECOM, Sophia Antipolis, France, Feb 2017

- **Electronic education module** on “*Vehicular traffic modeling*”
IEEE VTS Connected Vehicles initiative, Dec 2016
- **Keynote speech** on “*Mobile Traffic Data Analytics*”
AlgoTel, Bayonne, France, May 2016
- **Invited talk** on “*Mobile Traffic Data Analytics for 5G Cognitive Networking*”
1st GdR MaDICS Workshop on Big Data for the 5G RAN, Paris, France, Nov 2015
- **Lecture** on “*Mining cellular traffic collected at mobile operator network probes*”
Networks and Data Mining Summer School, Luchon, France, Jun 2015
- **Invited talk** on “*Road traffic modeling with an eye to networking applications*”
Telecom SudParis, Paris, France, Jun 2015
- **Panel** on “*Complex Network Science: the next big thing*”
IEEE INFOCOM NetSciCom workshop, Toronto, Canada, May 2014
- **Invited talk** on “*Large-scale urban vehicular networks: mobility and connectivity*”
Hamilton Institute, Maynooth, Ireland, Oct 2012
- **Keynote speech** on “*Back to basics: road traffic vehicular networking*”
IEEE WoWMoM VTP workshop, S.Francisco, CA, USA, Jun 2012
- **Tutorial** on “*Vehicular Networking: History, State of the Art and Interdisciplinarity*”
ITST (with Jérôme Härrri), S.Petersburg, Russia, Aug 2011
- **Tutorial** on “*Vehicular mobility modeling*”
RESCOM Summer School (with Jérôme Härrri), Giens, France, Jun 2010

Projects

International projects

- **CNR–IEIIT principal investigator**, “*DAWN4IoE – Data Aware Wireless Networks for Internet of Everything*”, H2020 MSCA RISE, 2017–2021
- **Co-principal investigator**, “*Facing the hard truth: showing users what mobile apps can learn about them from the location data they collect*”, Data Transparency Lab grant, 2017–2018
- **Co-principal investigator**, “*Spatio-temporal Analysis of Mobile Data for Understanding Human Behaviour*”, Royal Society International Exchange fellowship, 2016–2018
- **Principal investigator**, “*ReFlex – Re-thinking the fundamentals of vehicular networking with transportation theory and complex network science*”, FP7 PEOPLE CIG, 2014–2018
- **CNR–IEIIT principal investigator**, “*MACACO – Mobile context-Adaptive CAching for COntent-centric networking*”, ERANET CHIST-ERA, 2013–2016
- **Participant**, “*EuroNF – Design and Engineering of the Next Generation Internet*”, EU NoE, 2008–2010
- **Participant**, “*EuroNGI – Design and Engineering of the Next Generation Internet*”, EU NoE 2003–2006
- **Participant**, “*NEWCOM – Network of Excellence in Wireless COmmunications*”, EU NoE, 2005–2006

National projects

- **CNR–IEIIT principal investigator**
“*ADAGE – Anonymous Mobile Traffic Data Generation*”, PIA (France), 2016–2018
- **Work Package leader**, “*ABCD – Adaptive Behavior and Cloud Distribution*”, ANR INFRA (France), 2013–2016
- **Participant**, “*SelfNet – Self-organizing Networks*”, Inria / Alcatel-Lucent Bell Labs Common Laboratory RA (France), 2010–2013

- **Participant**, “VICSUM – Vehicle-to-Vehicle-to-Infrastructure Communication for Sustainable Urban Mobility”, POR FESR (Italy), 2007–2008
- **Participant**, “MIMOSA – Experimental Measurements and Traffic Models of Multiservice Packet Networks”, MIUR PRIN (Italy), 2005–2007
- **Participant**, “PATTERN – Protocols And cross-layer Techniques To achieve Energy-efficiency in Reconfigurable adhoc and sensor Networks”, MIUR PRIN (Italy), 2003–2005
- **Participant**, “PRIMO – Reconfigurable Platforms for Mobile Interoperability”, MIUR FIRB (Italy), 2002–2005

Publications

Book chapters

- B8. M. Gramaglia, M. Fiore, M. Calderon, O. Trullols-Cruces, D. Naboulsi, *Highway Road Traffic Modeling for ITS Simulation*, in B. Hilt, M. Berbineau, A. Vinel, A. Pirovano (Editors), *Networking Simulation for Intelligent Transportation Systems*, Wiley-ISTE, 2017
- B7. H. Rivano, I. Aug-Blum, W. Bechkit, K. Boussetta, M. Fiore, R. Stanica, F. Valois, *Wireless Access Networks for Smart Cities*, in A. Vesco, F. Ferrero (Editors), *Social, Economic, Environmental Sustainability in the Development of Smart Cities*, Information Science Reference, 2015
- B6. P. Manzoni, M. Fiore, S. Uppoor, F.J. Martinez Dominguez, C.T. Calafate, J.C. Cano, *Mobility Models*, in C. Campolo, A. Molinaro, R. Scopigno (Editors), *Vehicular ad hoc Networks: Standards, Solutions, and Research*, Springer, 2015
- B5. S. Uppoor, M. Fiore, J. Härrä, *Synthetic mobility traces for vehicular networking*, in H. Labiod and A.-L. Beylot (editors), *Vehicular Networks: Models and Algorithms*, Wiley, 2013
- B4. M. Reineri, C. Casetti, C.-F. Chiasserini, M. Fiore, O. Trullols-Cruces, J.M. Barcelo-Ordinas, *RSU Deployment for Content Dissemination and Downloading in Intelligent Transportation Systems*, in R. Daher and A. Vinel (editors), *Roadside Networks for Vehicular Communications: Architectures, Applications, and Test Fields*, Information Science Publishing, 2012
- B3. M. Fiore, C. Casetti, C.-F. Chiasserini, *Information Sharing in VANETs*, in M. Wafta (editor), *Advances in Vehicular Ad-Hoc Networks: Developments and Challenges*, Information Science Publishing, 2010
- B2. M. Fiore, *Vehicular Mobility Models*, in S. Olariu and M. Weigle (editors), *Vehicular Networks from Theory to Practice*, Chapman & Hall/CRC, 2009
- B1. V. Baiamonte, M. Fiore, C. Casetti, C.-F. Chiasserini, *Cross-layer Solutions for Traffic Forwarding in Mesh Networks*, in E. Hossain and K.K. Leung (editors), *Wireless Mesh Networks: Architectures and Protocols*, Springer-Verlag, 2007

Peer-reviewed international journals

- J29. A. Furno, M. Fiore, R. Stanica, C. Ziemlicki, Z. Smoreda
A Tale of Ten Cities: Characterizing Signatures of Mobile Traffic in Urban Areas
IEEE Transactions on Mobile Computing, to appear
- J28. D. Naboulsi, M. Fiore
Characterizing the Instantaneous Connectivity of Large-scale Urban Vehicular Networks
IEEE Transactions on Mobile Computing, to appear
- J27. A. Furno, D. Naboulsi, R. Stanica, M. Fiore
Mobile Demand Profiling for Cellular Cognitive Networking
IEEE Transactions on Mobile Computing, to appear

- J26. M. Fiore, A. Nordio, C.-F. Chiasserini
Driving Factors Toward Accurate Mobile Opportunistic Sensing in Urban Environments
IEEE Transactions on Mobile Computing, 15(10), Oct 2016
- J25. M. Gramaglia, O. Trullols-Cruces, D. Naboulsi, M. Fiore, M. Calderon
Mobility and connectivity in highway vehicular networks: a case study in Madrid
Elsevier Computer Communications, 78(15), Mar 2016
- J24. D. Naboulsi, M. Fiore, R. Stanica, S. Ribot
Large-scale Mobile Traffic Analysis: a Survey
IEEE Communications Surveys and Tutorials, 18(1), Jan 2016
- J23. L. Bedogni, M. Gramaglia, A. Vesco, M. Fiore, J. Hrri, F. Ferrero
The Bologna Ringway dataset: improving road network conversion in SUMO and validating urban mobility via navigation services
IEEE Transactions on Vehicular Technology, 64(12), Dec 2015
- J22. O. Trullols-Cruces, M. Fiore, J.M. Barcelo-Ordinas
Worm Epidemics in Vehicular Networks
IEEE Transactions on Mobile Computing, 14(10), Oct 2015
- J21. S. Uppoor, M. Fiore
Characterizing pervasive vehicular access to the cellular RAN infrastructure: an urban case study
IEEE Transactions on Vehicular Technology, 64(6), Jun 2015
- J20. M. Fogue, F.J. Martinez, P. Garrido, M. Fiore, C.-F. Chiasserini, C. Casetti, J.-C. Cano, C.T. Calafate, P. Manzoni
Securing Warning Message Dissemination in VANETs using Cooperative Neighbor Position Verification
IEEE Transactions on Vehicular Technology, 64(6), Jun 2015
- J19. P. Vaz de Melo, A. Viana, M. Fiore, K. Jaffrès-Runser, F. Le Mouel, A. Loureiroa, L. Addepalli, C. Guangshuo
RECAST: Telling Apart Social and Random Relationships in Dynamic Networks
Elsevier Performance Evaluation, 87(5), May 2015
- J18. M. Gramaglia, M. Fiore, M. Calderon
Measurement-based modeling of inter-arrivals for the simulation of highway vehicular networks
IEEE Communication Letters, 18(12), Dec 2014
- J17. F. Malandrino, C. Borgiattino, C. Casetti, C.-F. Chiasserini, M. Fiore, R. Sadao
Verification and Inference of Positions in Vehicular Networks through Anonymous Beaconing
IEEE Transactions on Mobile Computing, 13(10), Oct 2014
- J16. F. Malandrino, C. Casetti, C.-F. Chiasserini, M. Fiore
Content Download in Vehicular Networks in Presence of Noisy Mobility Prediction
IEEE Transactions on Mobile Computing, 13(5), May 2014
- J15. S. Uppoor, O. Trullols-Cruces, M. Fiore, J.M. Barcelo-Ordinas
Generation and Analysis of a Large-scale Urban Vehicular Mobility Dataset
IEEE Transactions on Mobile Computing, 13(5), May 2014
- J14. M. Fiore, C. Casetti, C.-F. Chiasserini, D. Borsetti
Persistent Localized Broadcasting in VANETs
IEEE Journal on Selected Areas in Communications, 31(9), Sep 2013
- J13. F. Malandrino, C. Casetti, C.-F. Chiasserini, M. Fiore
Optimal Content Downloading in Vehicular Networks
IEEE Transactions on Mobile Computing, 12(7), Jul 2013

- J12. M. Fiore, C. Casetti, C.-F. Chiasserini, P. Papadimitratos
Discovery and Verification of Neighbor Positions in Mobile Ad Hoc Networks
IEEE Transactions on Mobile Computing, 12(2), Jan 2013
- J11. C.-A. La, P. Michiardi, C. Casetti, C.-F. Chiasserini, M. Fiore
Content Replication in Mobile Networks
IEEE Journal on Selected Areas in Communications, 30(9), Oct 2012
- J10. O. Trullols-Cruces, M. Fiore, J.M. Barcelo-Ordinas
Cooperative download in vehicular environments
IEEE Transactions on Mobile Computing, 11(4), Apr 2012
- J9. S. Uppoor, M. Fiore
Vehicular mobility in large-scale urban environments
ACM Mobile Computing and Communications Review, 15(4), Oct 2011
- J8. D. Borsetti, M. Fiore, C. Casetti, C.-F. Chiasserini
An Application-level Framework for Information Dissemination and Collection in Vehicular Networks
Elsevier Performance Evaluation, 68(9), Sep 2011
- J7. M. Fiore, C. Casetti, C.-F. Chiasserini
Caching Strategies Based on Information Density Estimation in Wireless Ad Hoc Networks
IEEE Transactions on Vehicular Technology, 60(15), Jun 2011
- J6. J. Härri, M. Fiore, F. Filali, C. Bonnet
Vehicular Mobility Simulation with VanetMobiSim
Transactions of The Society for Modeling and Simulation, 87(4), Apr 2011
- J5. O. Trullols-Cruces, J.M. Barcelo-Ordinas, M. Fiore
Exact Decoding Probability Under Random Linear Network Coding
IEEE Communication Letters, 15(1), Jan 2011
- J4. O. Trullols-Cruces, M. Fiore, C. Casetti, C.-F. Chiasserini, J.M. Barcelo-Ordinas
Planning Roadside Infrastructure for Information Dissemination in Intelligent Transportation Systems
Elsevier Computer Communications, 33(4), Mar 2010
- J3. M. Fiore, C. Casetti, C.-F. Chiasserini
Information Density Estimation for Content Retrieval in MANETs
IEEE Transactions on Mobile Computing, 8(3), Mar 2009
- J2. M. Fiore, C. Casetti, G. Galante
Concurrent Multipath Communication for Real Time Traffic
Elsevier Computer Communications, 30(17), Nov 2007
- J1. M. Fiore, C. Casetti, C.-F. Chiasserini, M. Garetto
Analysis and Simulation of a Content Delivery Application for Vehicular Wireless Networks
Elsevier Performance Evaluation, 64(5), Jun 2007

Peer-reviewed international conference proceedings

- C45. P. Katsikouli, A.C. Viana, M. Fiore, A. Tarable
On the Sampling Frequency of Human Mobility
IEEE GLOBECOM 2017, Singapore, Dec 2017
- C44. G. Chen, S. Hoteit, A.C. Viana, M. Fiore, C. Sarraute
The Spatiotemporal Interplay of Regularity and Randomness in Cellular Data Traffic
IEEE LCN 2017, Singapore, Oct 2017
- C43. F. Montori, M. Gramaglia, L. Bedogni, M. Fiore, F. Sheikh, L. Bononi, A. Vesco
Automotive Communications in LTE: a Simulation-based Performance Study
IEEE VTC Fall 2017, Toronto, Canada, Sep 2017

- C42. A. Furno, N.-E. El Faouzi, M. Fiore, R. Stanica
Fusing GPS Probe and Mobile Phone Data for Enhanced Land-use Detection
IEEE MT-ITS 2017, Naples, Italy, Jun 2017
- C41. M. Gramaglia, M. Fiore, A. Tarable, A. Banchs
Preserving Mobile Subscriber Privacy in Open Datasets of Spatiotemporal Trajectories
IEEE INFOCOM 2017, Atlanta, GA, USA, Apr 2017
- C40. A. Furno, M. Fiore, R. Stanica
Joint Spatial and Temporal Classification of Mobile Traffic Demands
IEEE INFOCOM 2017, Atlanta, GA, USA, Apr 2017
- C39. S. Hoteit, G. Chen, A. Viana, M. Fiore
Filling the Gaps: On the Completion of Sparse Call Detail Records for Mobility Analysis
ACM CHANTS 2016, New York, NJ, USA, Oct 2016
- C38. V. Caiati, L. Bedogni, L. Bononi, F. Ferrero, M. Fiore, A. Vesco
Estimating Urban Mobility with Open Data: A Case Study in Bologna
IEEE ISC2 2016, Trento, Italy, Sep 2016
- C37. G. Khodabandelou, V. Gauthier, M. El-Yacoubi, M. Fiore
Population Estimation from Mobile Network Traffic Metadata
IEEE WoWMoM 2016, Coimbra, Portugal, Jun 2016
- C36. C. Glacet, M. Fiore, M. Gramaglia
Temporal Connectivity of Vehicular Networks: The Power of Store-Carry-and-Forward
IEEE VNC 2015, Kyoto, Japan, Dec 2015
- C35. M. Gramaglia, M. Fiore
On the Level of Detail of Synthetic Highway Traffic Required for Vehicular Networking Studies
IEEE VNC 2015, Kyoto, Japan, Dec 2015
- C34. M. Gramaglia, M. Fiore
Hiding Mobile Traffic Fingerprints with GLOVE
ACM CoNEXT 2015, Heidelberg, Germany, Dec 2015
- C33. P. Raveneau, R. Stanica, M. Fiore, S. Uppoor, M. Cunche, H. Rivano, Z. Smoreda
Urban-scale Cellular Offloading through Wi-Fi Access Points: a Measurement-based Case Study
RTSI 2015, Turin, Italy, Sep 2015
- C32. A. Furno, R. Stanica, M. Fiore
A Comparative Evaluation of Urban Fabric Detection Techniques Based on Mobile Traffic Data
ACM/IEEE ASONAM 2015, Paris, France, Aug 2015
- C31. M. Gramaglia, O. Trullols-Cruces, D. Naboulsi, M. Fiore, M. Calderon
Vehicular Networks on two Madrid Highways
IEEE SECON 2014, Singapore, Jun 2014
- C30. S. Ancona, R. Stanica, M. Fiore
Performance Boundaries of Massive Floating Car Data Offloading
WONS 2014, Invited paper, Obergurgl, Austria, Apr 2014
- C29. D. Naboulsi, R. Stanica, M. Fiore
Classifying Call Profiles in Large-scale Mobile Traffic Datasets
IEEE INFOCOM 2014, Toronto, Canada, Apr 2014
- C28. P. Vaz de Melo, A. Viana, M. Fiore, K. Jaffrès-Runser, F. Le Mouel, A. Loureiro
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