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(a)   Professional Preparation

University of Sannio (Italy)	2010	M.Eng (Information Engineering)
University of Sannio (Italy)	2014	Ph.D. (Information Engineering)
INRIA, INSA-Lyon, CITI	2014-2016	Postdoc
Qualification Maître de Conf.	2016	Section 27 CNU

(b)   Appointments

Researcher (Chargé de Recherche)	2016-present	University of Lyon, IFSTTAR-ENTPE
Assistant Professor	2016-present	ENTPE, Department of Transport
Assistant Professor	2015-2016	INSA-Lyon, Department of Telecommunications
Postdoctoral Researcher	2014-2016	INRIA, INSA-Lyon, CITI

(c)   Products

[1] Papers in Refereed Journals

- Gauthier, P., **Furno, A.**, & Faouzi, E., 2018, **Road network resilience: how to identify critical links subject to day-to-day disruptions?,** Transportation Research Record, in press.
- **Furno A.**, Fiore M., Stanica R., Ziemlicki C., Smoreda Z. (2017, October). **A Tale of Ten Cities: Characterizing Signatures of Mobile Traffic in Urban Areas**. In *IEEE Transactions on Mobile Computing, Volume: 16, Issue: 10, pp. 2682 - 2696, IEEE*
- **Furno A.**, Naboulsi D., Stanica R., Fiore M. (2017, March). **Mobile Demand Profiling for Cognitive Networking**. In *IEEE Transactions on Mobile Computing, Volume: 16, Issue: 3, pp. 772 - 786, IEEE*
- **Furno A.**, Zimeo E. (2014, July). **Self-Scaling Cooperative Discovery of Service Compositions in Unstructured P2P Networks**. In *Journal of Parallel and Distributed Computing (JPDC), ISSN 0743-7315, Volume 74, Issue 10 (2014)*, pp. 2994-3025, Elsevier.
- **Furno A.**, Zimeo E. (2014, March). **Context-aware Composition of Semantic Web Services**. In *Mobile Networks and Applications Journal (MONET), Volume 19, Issue 2 (2014), pp. 235-248, Springer.*
- Bevilacqua L., **Furno A.**, di Carlo V. S., Zimeo E. (2012, October). **Automatic Generation of Concrete Compositions in Adaptive Contexts**. In *The Mediterranean Journal of Computers and Networks (MEDJCN), ISSN: 1744-2397* – Volume 8, Issue No. 4, October 2012.

[2] Selected Papers in Conference Proceedings

- Ceselli A., Fiore M., **Furno A.**, Premoli M., Secci S., Stanica R. (2018, to appear). **Prescriptive Analytics for MEC Orchestration**. In IFIP Networking, in press.
- **Furno A.**, El Faouzi N.E., Sharma R., Zimeo E. (2018). **Fast Computation of Betweenness Centrality to Locate Vulnerabilities in Very Large Road Networks**. In *97th Transportation Research Board Annual Meeting (TRB)*.
- Gauthier P., **Furno A.**, El Faouzi N.E. (2018). **Road network resilience: how to identify critical links in presence of day-to-day disruptions?**. In *97th Transportation Research Board Annual Meeting (TRB)*.
- **Furno A.**, El Faouzi N.E., Sharma R., Zimeo E. (2017). **Two-level Clustering Fast Betweenness Centrality Computation for Requirement-driven Approximation**. In *2017 IEEE International Conference on Big Data (Big Data)*.
- **Furno A.**, El Faouzi N.E., Sharma R., Zimeo E. (2017). **Reducing pivots of approximated betweenness computation by hierarchically clustering complex networks**. In *International Conference on Complex Networks and their Applications. Springer International Publishing*.

- **Furno A.**, El Faouzi N.E., Stanica R., Fiore M. (2017, June). **Fusing GPS Probe and Mobile Phone Data for Enhanced Land-use Detection, IEEE MT-ITS 2017, Naples, IT, June 2017.** . In *Models and Technologies for Intelligent Transportation Systems (MT-ITS), 2017 5th IEEE International Conference on*.
- **Furno A.**, Fiore M., Stanica R. (2017, May). **Joint Spatial and Temporal Classification of Mobile Traffic Demands**. In *INFOCOM 2017 - IEEE Conference on Computer Communications, IEEE*.
- **Furno A.**, Stanica R., Fiore M. (2015, August). **A Comparative Evaluation of Urban Fabric Detection Techniques Based on Mobile Traffic Data**. In *Advances in Social Networks Analysis and Mining (ASONAM), The 2015 IEEE/ACM International Conference on*.
- **Furno A.**, Zimeo E. (2014, February). **Gossip Strategies for Service Composition**. In *Parallel, Distributed and Network-Based Processing (PDP), 2014 22nd Euromicro International Conference on*.

(d) Synergistic Activities

[1] Selected Awards, Nominations, and Appointments

Sept. 2015	Finalist in the 2015 TIM BIG DATA CHALLENGE	Project Mobile Traffic Signatures in the Urban Landscape
Oct. 2014	CORDI-S INRIA Postdoctoral Fellowship	ABCD project, grant ANR-13-INFR-0005
Mar. 2011	3-years Ph. D. Fellowship	MIUR, Italian Minister for Education and Research.
Nov. 2012	Best Paper Award: "Context-Aware Design of Semantic Web Services to Improve the Precision of Compositions"	ICCASA 2012 (International Conference on Context-Aware Systems and Applications)

[2] Selected Service to the Community

- **Session Chair** of the Special Session on Big Data for Smart Mobility and Logistic of the 1st Rencontres Francophones Transport Mobilité (RFTM 2018), June 2018, LYON (France)
- **Technical Committee Member** for the 7th International Conference on Complex Networks and Their Applications (CNA 2018)
- **Technical Committee Member** for the 12th edition of the Conference on Advances of Decisional System, special track on Intelligent Transportation Systems: Big Data, Machine Learning & Cloud Computing (ADS 2018)
- **Technical Committee Member** for the Seventh International Conference on Smart Cities, Systems, Devices and Technologies (IARIA Smart 2018)
- **Technical Committee Member** for the First Workshop on Data Analytics for Mobile Networking (DAMN! 2017), in conjunction with IEEE PerCom 2017.
- **Technical Committee Member** for the Seventh International Conference on Mobile Services, Resources, and Users (IARIA Mobility 2017)
- **Technical Committee Member** for the Modelling, Analysis and Control of Intelligent Mobility-on-Demand Systems (MoD@ITSC'17), in conjunction with IEEE ITSC 2017
- **Reviewer for [selected journals]:** IEEE Transactions on Wireless Communications, IEEE Transactions on Mobile Computing, IEEE Transactions on Intelligent Transportation Systems, Elsevier Pervasive and Mobile Computing, Elsevier Journal of Expert Systems with Applications, Elsevier Journal of Computers & Electrical Engineering, Elsevier Journal of Computer Communications, Elsevier Vehicular Communications, Transportation Research Board, Annual Meeting

[3] Software Development
    https://bitbucket.org/angfurno

[4] Teaching, Advising, Mentoring
    Teacher for the courses on **Data Science and Machine Learning, Intelligent Transportation Systems (parts 1 and 2)** at ENTPE

[5] Professional Memberships
    IEEE, IEEE Smart Cities Community