## Selected publications

- [1] Xi Jiang, Shinan Liu, Aaron Gember-Jacobson, Arjun Nitin Bhagoji, Paul Schmitt, Francesco Bronzino, and Nick Feamster. "NetDiffusion: Network Data Augmentation Through Protocol-Constrained Traffic Generation". In: Proceedings of the ACM on Measurement and Analysis of Computing Systems (2024).
- [2] Shinan Liu, Francesco Bronzino, Paul Schmitt, Arjun Nitin Bhagoji, Nick Feamster, Hector Garcia Crespo, Timothy Coyle, and Brian Ward. "LEAF: Navigating Concept Drift in Cellular Networks". In: Proceedings of the ACM on Networking (2023).
- [3] Francesco Bronzino, Paul Schmitt, Sara Ayoubi, Hyojoon Kim, Renata Teixeira, and Nick Feamster. "Traffic Refinery: Cost-Aware Data Representation for Machine Learning on Network Traffic". In: Proceedings of the ACM on Measurement and Analysis of Computing Systems (2021).
- [4] Francesco Bronzino, Sumit Maheshwari, Ivan Seskar, and Dipankar Raychaudhuri. "NOVN: A namedobject based virtual network architecture to support advanced mobile edge computing services". In: Elsevier Pervasive and Mobile Computing (2020).
- [5] Francesco Bronzino, Paul Schmitt, Sara Ayoubi, Guilherme Martins, Renata Teixeira, and Nick Feamster. "Inferring Streaming Video Quality from Encrypted Traffic: Practical Models and Deployment Experience". In: *Proceedings of the ACM on Measurement and Analysis of Computing Systems* (2019).
- [6] Sumit Maheshwari, Dipankar Raychaudhuri, Ivan Seskar, and Francesco Bronzino. "Scalability and Performance Evaluation of Edge Cloud Systems for Latency Constrained Applications". In: IEEE/ACM Symposium on Edge Computing (SEC). 2018.

## **Preprints**

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## Conferences

- [1] Xi Jiang, Shinan Liu, Aaron Gember-Jacobson, Arjun Nitin Bhagoji, Paul Schmitt, Francesco Bronzino, and Nick Feamster. "NetDiffusion: Network Data Augmentation Through Protocol-Constrained Traffic Generation". In: Proceedings of the ACM on Measurement and Analysis of Computing Systems (2024).
- [11] Mathieu Guglielmino, Francesco Bronzino, and Sébastien Monnet. "Outil interactif pour l'alignement de la vue client-opérateur sur les architectures de réseau". In: CoRes 2023-8èmes Rencontres Franco-phones sur la Conception de protocoles, l'évaluation de performances et l'expérimentation de Réseaux de communication. 2023.

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- [34] Razanne Abu-Aisheh, Myriana Rifai, Francesco Bronzino, and Thomas Watteyne. "(POSTER) Impact of Connectivity Degradation on Networked Robotic Swarm Cooperation". In: 17th International Conference on Distributed Computing in Sensor Systems. 2021.
- [35] Francesco Bronzino, Elizabeth Cully, Nick Feamster, Shinan Liu, Jason Livingood, and Paul Schmitt. "Interconnection Changes in the United States". In: *IAB COVID-19 Workshop* (2021).
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### Posters

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- [47] Razanne Abu-Aisheh, Myriana Rifai, Francesco Bronzino, and Thomas Watteyne. "(POSTER) Impact of Connectivity Degradation on Networked Robotic Swarm Cooperation". In: 2021 17th International Conference on Distributed Computing in Sensor Systems (DCOSS). IEEE. 2021, pp. 57–59.
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- [50] Francesco Bronzino et al. Cloud Services Enhancements Through Application Specific Routing in MobilityFirst FIA. Poster and Demonstration at the 22nd GENI Engineering Conference (GEC-22). 2015.
- [51] Francesco Bronzino et al. Public Safety Focus: Connected Vehicles Assisting First Responders. Plenary talk and Demonstration at the 22nd GENI Engineering Conference (GEC-22). 2015.
- [52] Francesco Bronzino et al. Supporting Rich Network Services in Name Based Architectures. Talk at the NSF Future Internet Architecture Workshop. 2015.
- [53] Francesco Bronzino et al. In-Network Compute Layer in MobilityFirst Future Internet Architecture FIA. Poster and Demonstration at the 20th GENI Engineering Conference (GEC-20). 2014.
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- [57] Francesco Bronzino et al. Multi-Homing Support in MobilityFirst FIA. Poster and Demonstration at the 17th GENI Engineering Conference (GEC-17). 2013.

# Tech reports

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#### Software and datasets

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## Funding

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