

Tareq Si Salem

Ph.D. candidate | University of Côte d'Azur and Inria | Nice 06000, France

☎ +33 760-450-571 | ✉ tareq.sisalem@gmail.com | 🏠 www-sop.inria.fr/members/Tareq.Si-Salem |

🎂 Birthday: 16/07/1994 | 🇩🇿 Citizenship: Algerian | 📅 Expected Availability: October, 1st 2022

RESEARCH FOCUS

Modeling and online learning algorithms for various network-related problems, with a special focus on caching and in-network computing.

DEGREES

University	Location	Degree	Subject Area	Date
Université Côte d'Azur - Inria	France	Ph.D.	Computer Science	2019–2022
Polytech Nice Sophia - Université Côte d'Azur	France	MS.	Computer Science - Ubiquitous Networking	2018–2019
Institut de Génie Electrique et Electronique	Algeria	MS.	Computer Engineering	2015–2017
Institut de Génie Electrique et Electronique	Algeria	BS.	Electrical and Electronic Engineering	2012–2013

My Ph.D. thesis advisor is: **Giovanni Neglia**.

EMPLOYMENT RECORD

Employer	Position	Location	Date
Delft University of Technology	Ph.D. visitor	Netherlands	03/2022–07/2022
Inria	Intern	France	03/2019–08/2019
Schlumberger	Wireline Field Engineer	Algeria & UAE	02/2018–07/2018
Brandt R&D - Group Cevital	Embedded Systems Engineer	Algeria	09/2017–01/2018

PUBLICATIONS

Talks and in-preparations papers are available in personal web page.

- Y. Li, T. Si Salem, G. Neglia, and S. Ioannidis. [Online Caching Networks with Adversarial Guarantees](#). *Proc. ACM Meas. Anal. Comput. Syst. (SIGMETRICS 2022)*, 2022.
- T. Si Salem and G. Neglia and D. Carra. [AÇAI: Ascent Similarity Caching with Approximate Indexes](#). *Proc. of the 33rd International Teletraffic Congress (ITC 33)*, Aug. 31st - Sep. 3rd 2021.
- T. Si Salem, G. Castellano, G. Neglia, F. Pianese, and A. Araldo. [Towards Inference Delivery Networks: Distributing Machine Learning with Optimality Guarantees](#). *Proc. of the 19th Mediterranean Communication and Computer Networking Conference (MedComNet 2021)*, June 15-17, 2021.
- T. Si Salem, G. Neglia, and S. Ioannidis. [No-Regret Caching via Online Mirror Descent](#). *Proc. of the IEEE International Conference on Communications (ICC 2021)*, June 14-23, 2021.
- A. Sabnis, T. Si Salem, G. Neglia, M. Garetto, E. Leonardi, and R. K. Sitaraman. [GRADES: Gradient Descent for Similarity Caching](#). *Proc. of the IEEE International Conference on Computer Communications (INFOCOM 2021)*, May 10-13, 2021.

Under submission. Four journal submissions are currently under review. Three papers are submitted (*two papers are revised after first round of rebuttal*) to IEEE/ACM Transactions on Networking (ToN), and one paper is submitted to ACM Transactions on Modeling and Performance Evaluation of Computing Systems (ToMPECS).

TEACHING EXPERIENCE

Subject	Location	Date
Optimization for Machine Learning	Online - Polytech Nice Sophia	2 lectures (6H), winter 2021
Distributed Optimization and Games	Polytech Nice Sophia	1 lectures (3H), winter 2020

AWARDS AND DISTINCTIONS

- Prix d'excellence d'Université Côte d'Azur.
- Best paper award at the International Teletraffic Congress (ITC 33).

LANGUAGES

- English (C2), French (C1), Kabyle (*native*), and Arabic (*native*).

PROGRAMMING LANGUAGES

- Java, C/C++, Python, ML frameworks (PyTorch, Scikit-Learn, Tensorflow).

PROFESSIONAL SERVICE

- Reviewer: Elsevier Journal on Computer Networks, and IEEE/ACM Transactions on Networking.