

Curriculum Vitae

Mohammad Nabil ALAGGAN, Ph.D.
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1 Education

2009–2013 Ph.D. in Computer Science from University of Rennes 1, France. Funded by University of Rennes 1. Degree: “Très honorable”. Thesis title: *Private peer-to-peer similarity computation in personalized collaborative platforms*.

2009–2010 M.Sc. in Computer Science from University of Rennes 1, France. Funded by Foundation Michel Metivier <http://metivier.irisa.fr>. Thesis title: *Privacy preservation in peer-to-peer gossiping networks in presence of a passive adversary*.

2003–2007 B.Sc. in Computer Science, Helwan University, Egypt. Top of class, GPA 3.72/4.0. Graduation project: A clustering system for a massive-multiplayer online game.

2 Teaching/Work Experience

Helwan University, Egypt – February 2014 till present

URL: <http://www.helwan.edu.eg/university/staff/Dr.MohamedNabil/>

Position: Assistant Professor

Department: Computer Science Department at the Faculty of Computers and Information

Teaching:

- Fall 2015: Cryptography, Software Engineering I
- Spring 2015: Programming III, Operating Systems II
- Fall 2014: Cryptography, Operating Systems I and II, Software Engineering II
- Spring 2014: Operating Systems I, Software Engineering II

Nile University, Egypt – September 2014 till January 2016

Position: Visiting Assistant Professor

URL: <http://www.nileu.edu.eg/>

Teaching: Fall 2014 and Fall 2015: Cryptography (post-graduate)

INRIA/IRISA laboratory, France – February 2010 till December 2013

URL: http://www.irisa.fr/asap/?page_id=912

Position: PhD Student (from October 1st, 2010), and a master’s student intern before

Peerialism – September 2007 till January 2008

URL: <http://www.peerialism.com>

Position: Research Assistant (Working on proprietary commercial peer-to-peer video streaming protocol)

3 Honors/Grants

2010 Bourse Ministrielle from the University of Rennes 1 for 3 years to pursue PhD.

2009 Grant from Fondation Michel Metivier to pursue masters at University Rennes 1.

4 Activities in Scientific Societies

- Referee for IEEE Transactions on Parallel and Distributed Systems (IEEE TPDS).
- Referee for IEEE Transactions on Information Forensics and Security (IEEE TIFS).

5 Publications

- [1] M. Alaggan, S. Gambs, and A.-M. Kermarrec, “BLIP: Non-Interactive Differentially-Private Similarity Computation on Bloom Filters,” in *Proceedings of the 14th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS’12)*, ser. Lecture Notes in Computer Science, A. W. Richa and C. Scheideler, Eds., vol. 7596. Toronto, Canada: Springer, 1–4 October 2012, pp. 202–216.
- [2] —, “Private Similarity Computation in Distributed Systems: From Cryptography to Differential Privacy,” in *Proceedings of the 15th International Conference on the Principles of Distributed Systems (OPODIS’11)*, ser. Lecture Notes in Computer Science, A. F. Anta, G. Lipari, and M. Roy, Eds., vol. 7109. Toulouse, France: Springer, 13–16 December, 2011, pp. 357–377.
- [3] R. Roverso, M. Al-Aggan, A. Naiem, A. Dahlstrom, S. El-Ansary, M. El-Beltagy, and S. Haridi, “MyP2PWorld: Highly Reproducible Application-level Emulation of P2P Systems,” in *Workshops Proceedings of the 2nd IEEE International Conference on Self-Adaptive and Self-Organizing Systems (SASOW’08)*. Venice, Italy: IEEE Computer Society, 20–24 October, 2008, pp. 272–277.
- [4] M. Alaggan, S. Gambs, and A.-M. Kermarrec, “Heterogeneous Differential Privacy,” in *1st workshop on the Theory and Practice of Differential Privacy, TPDP at ETAPS’15*, London, UK, April, 2015.
- [5] M. Alaggan, S. Gambs, S. Matwin, and M. Tuhin, “Sanitization of Call Detail Records via Differentially-Private Bloom Filters,” in *Proceedings of the 29th Annual IFIP WG 11.3 Working Conference on Data and Applications Security and Privacy (DBSec’15)*, ser. Lecture Notes in Computer Science, P. Samarati, Ed., vol. 9149. Fairfax, VA, USA: Springer, July, 2015, pp. 1–8.