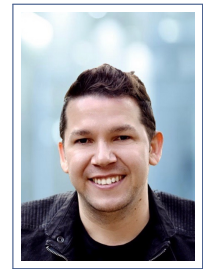


Jorge Toro Pozo

Curriculum Vitae

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About me

Current position Postdoc at ETH Zürich, within Prof. D. Basin's Information Security group
Date & place of birth October 30, 1988 in Las Tunas, Cuba
Citizenship Cuba

Education

- 6/2015–5/2019 **Ph.D** in Computer Science, *Université du Luxembourg*, Luxembourg.
Computational and symbolic analysis of distance-bounding protocols
Supervision by S. Mauw and R. Trujillo-Rasua
- 9/2013–11/2014 **M.S** in Applied Informatics, *Universidad de Las Tunas*, Cuba.
A new metaheuristic based on variable mesh for multi-objective optimization
- 9/2007–6/2012 **B.S** in Computer Science, *Universidad de Oriente*, Cuba.
Noise detection and cleaning in data streams

Work Experience

- 6/2019–present **Postdoctoral Researcher**, *ETH*, Zürich, Switzerland.
- 6/2015–5/2019 **Ph.D/Research Assistant**, *Université du Luxembourg*, Luxembourg.
◦ (Assistant) Lecturer of *M.S in Information and Computer Science* courses: *Security protocols* and *Information security basics*
- 9/2012–5/2015 **Lecturer/Research Assistant**, *Universidad de Las Tunas*, Cuba.
◦ Lecturer of *Eng. Computer Science* courses: *Operating systems*, *Data structures* and *Advanced programming*
◦ Coach/Trainer of ICPC (former ACM-ICPC) contestants
- 9/2012–5/2015 **Software Developer**, *Universidad de Las Tunas*, SoftDev Group, Cuba.
◦ Java, Python, C/C++, SQL, MySQL, PostgreSQL, Unix/Linux scripting

Publications

- [1] S. Mauw, Z. Smith, J. Toro-Pozo, and R. Trujillo-Rasua, "Post-collusion security and distance bounding," in *26th ACM Conference on Computer and Communications Security, CCS 2019, London, UK, November 11-15, 2019*, 2019. (to appear).
- [2] S. Mauw, Z. Smith, J. Toro-Pozo, and R. Trujillo-Rasua, "Automated identification of desynchronisation attacks on shared secrets," in *Computer Security - 23rd European Symposium on Research in Computer Security, ESORICS 2018, Barcelona, Spain, September 3-7, 2018, Proceedings, Part I*, pp. 406–426, 2018.

- [3] S. Mauw, Z. Smith, J. Toro-Pozo, and R. Trujillo-Rasua, “Distance-bounding protocols: Verification without time and location,” in *2018 IEEE Symposium on Security and Privacy, S&P 2018, Proceedings, 21-23 May 2018, San Francisco, California, USA*, pp. 549–566, 2018.
- [4] Y. Salgueiro, J. L. Toro, R. Bello, and R. Falcon, “Multiobjective variable mesh optimization,” *Annals of Operations Research*, vol. 258, no. 2, pp. 869–893, 2017.
- [5] S. Mauw, J. Toro-Pozo, and R. Trujillo-Rasua, “Optimality results on the security of lookup-based protocols,” in *Radio Frequency Identification and IoT Security - 12th International Workshop, RFIDSec 2016, Hong Kong, China, November 30 - December 2, 2016, Revised Selected Papers*, pp. 137–150, 2016.
- [6] S. Mauw, J. Toro-Pozo, and R. Trujillo-Rasua, “A class of precomputation-based distance-bounding protocols,” in *IEEE European Symposium on Security and Privacy, EuroS&P 2016, Saarbrücken, Germany, March 21-24, 2016*, pp. 97–111, 2016.
- [7] D. Pascual-González, F. D. Vázquez-Mesa, and J. L. Toro-Pozo, “Detección de ruido y aprendizaje basado en información actual,” *Computación y Sistemas*, vol. 18, no. 1, 2014.

Notes

Papers [1, 2, 3, 5, 6] are my PhD-related publications
 Paper [4] is related to my MS thesis
 Paper [7] (in Spanish) is related to my BS thesis

Honours and Awards

- 2015 Luxembourg FNR’s AFR-PhD grant 10188265, funding of my PhD
- 2009, 2010, 2011 Honorable Mention at *Latin America ACM International College Programming Contest (ACM-ICPC) Regional Contest – Caribbean Finals*
- 2009, 2010 Bronze Medal at *Cuban National University Mathematical Olympiad*
- 2008 Bronze Medal at *XI Iberoamerican University Mathematical Olympiad*
- 2006 Bronze Medal at *21st Iberoamerican Mathematical Olympiad*, Guayaquil, Ecuador
- 2006 Silver Medal at *Cuban National Mathematical Contest*
- 2005 Bronze Medal at *XX Iberoamerican Mathematical Olympiad*, Cartagena de Indias, Colombia
- 2005 Silver Medal at *Cuban National Mathematical Contest*

Languages

- Spanish Mother tongue
- English Full professional proficiency