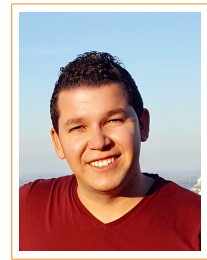


Jorge L. Toro Pozo

Curriculum Vitae

Last update: August 22, 2017

6, Avenue de la Fonte
L-4362 Esch-sur-Alzette
Luxembourg
☎ +352 466644 9489
☎ +352 466644 39489
✉ jorge.toro@uni.lu
📁 satoss.uni.lu/jorge



Personal Information

Current position Ph.D. Candidate – University of Luxembourg
Date - place of birth October 30, 1988 - Las Tunas, Cuba
Citizenship Cuba

Education

- 2013–2014 **M.Sc. Computer Science**, *University of Las Tunas, Cuba, Excellent.*
Thesis project: *A new metaheuristic based on Variable Mesh for multi-objective optimization.*
Supervisor(s): Dr. Rafael Bello Pérez and M.Sc. Yamisleydi Salgueiro Sicilia.
- 2007–2012 **B.Sc. Computer Science**, *Universidad de Oriente, Cuba, Excellent.*
Thesis project: *Noise detection and cleaning in data streams.*
Supervisor(s): Dr. Damaris Pascual González and Dr. Fernando González Mesa.

Work Experience

- 2015–Present **Ph.D. Candidate**, *University of Luxembourg, Luxembourg,*
This project: *Symbolic verification of distance-bounding and multiparty authentication protocols* (under Luxembourg FNR Grant AFR-PhD-10188265).
Supervisor(s): Prof. Dr. Sjouke Mauw and Dr. Rolando Trujillo-Rasua.
 - Assistant Lecturer in M.Sc. CS courses: Security Protocols and Information Security Basics
- 2012–2014 **Research Associate**, *University of Las Tunas, Cuba.*
 - Researcher in Evolutionary Computation, Metaheuristics for Optimization.
 - Lecturer in Operating Systems, Data Structures and Advanced Programming.
 - Coach and Trainer of ACM-ICPC contestants.
- 2012–2014 **Software Developer**, *University of Las Tunas, ULT SoftDev, Cuba.*
 - Java, Python, C and C++.
- 2013–2014 **Lecturer**, *Institute of Exact Sciences of Las Tunas, Cuba.*
 - Lecturer, Coach and Trainer of Advanced Students Group for International Mathematical Olympiads.

Research Interests

- Security and Privacy, Security Protocols, Formal Verification, Formal Methods, Wireless Systems, Mathematics.
- Artificial Intelligence, Evolutionary Computation, Metaheuristics, Bio-inspired algorithms, Swarm Intelligence.
- Data and Text Mining, Machine Learning.

Honours and Awards

- B.Sc. Golden Diploma and First-of-the-class Award, Universidad de Oriente (2012).
- Honorable Mention at *Latin America ACM International College Programming Contest (ACM-ICPC) Regional Contest – Caribbean Finals* (2009, 2010 and 2011).
- Bronze Medal at *9th Cuban National University Mathematical Olympiad* (2009 and 2010).
- Bronze Medal at *XI Iberoamerican University Mathematical Olympiad* (2008).
- Bronze Medal at *21st Iberoamerican Mathematical Olympiad*. Guayaquil, Ecuador (2006).
- Gold Medal at *Cuban National Mathematical Contest* (2006).
- Bronze Medal at *XX Iberoamerican Mathematical Olympiad*. Cartagena de Indias, Colombia (2005).
- Silver Medal at *Cuban National Mathematical Contest* (2005).
- Bronze Medal at *Cuban National Mathematical Contest* (2004).

Publications

- [1] Sjouke Mauw, Jorge Toro-Pozo, and Rolando 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*, pages 137–150, December 2016.
- [2] Yamisleydi Salgueiro, Jorge L. Toro, Rafael Bello, and Rafael Falcon. Multiobjective variable mesh optimization. *Annals of Operations Research*, pages 1–25, May 2016.
- [3] Yamisleydi Salgueiro-Sicilia, Jorge Luis Toro-Pozo, and Rafael Bello-Pérez. Performance assessment of MOVMO metaheuristic on constrains test functions. *Revista Cubana de Ciencias Informáticas*, 10(1):182–193, April 2016.
- [4] Jorge Luis Toro-Pozo, Damaris Pascual-González, and Fernando Daniel Vázquez Mesa. Noise cleaning for classification based on neighborhood and concept changes over time. *Revista Cubana de Ciencias Informáticas*, 10(2):1–13, April 2016.
- [5] Sjouke Mauw, Jorge Toro-Pozo, and Rolando 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*, pages 97–111. IEEE, March 2016.
- [6] Damaris Pascual-González, Fernando Daniel Vázquez-Mesa, and Jorge Luis Toro-Pozo. Noise Detection and Learning Based on Current Information. *Computación y Sistemas*, 18(1):153–167, 2014.

Languages

Spanish **Mother tongue**
English **Full professional proficiency**