

Tahina Vololona Eulalie RALITERA

Skills

Thesis in Computer Science

Modeling and simulation of electric vehicle mobility flow on a territory using artificial intelligence called agent-based modeling. This software will be used by decision makers as a decision support tools for smart cities and smart islands planning.

Teaching experiences

- Supervision of Study and Research Work for a Master's student in Computer Science at the University of Reunion
- Teaching vacations in the Faculty of Sciences and Faculty Law and Economics of the University of Reunion

Administrative responsibilities

- Elected representative of doctoral students in science at the level of the research commission and the academic council of the University of Reunion Island
- Secretary of the Association of Malagasy Students of Reunion (AEMR)

Timeline

Since Oct.
2015

PhD in computer science
[Computer Science and Mathematics Laboratory](#)
University of Reunion
Island

From 2015 to
2016

Msc in Computer Science
[University of Reunion Island](#) France

From 2013 to
2015

Engineering degree in computer science
[Ecole Supérieure d'Ingénieur Réunion Océan Indien \(ESIROI\)](#)
University of Reunion
Island

From 2010 to
2013

Engineering School of Telecommunications
[Ecole Supérieure Polytechnique d'Antananarivo \(ESPA\)](#)
Madagascar

From 2011 to
2012

BTEC Higher National Diploma in information systems
[Centre National de Télé-Enseignement de Madagascar \(CNTEMAD\)](#)
Madagascar

About

- ✉ tahina.ralitera@univ-reunion.fr
- 📍 12 Rue du Maine, Sainte-Clotilde, Réunion
- 📅 25 years old
- 🔗 <http://lim.univ-reunion.fr/staff/traliter/>
- 🏠 Malagasy
- ☎ 069 233 7019

Awards, Scholarships and Honors

- L'Oréal-UNESCO For Women and Science 2017 French fellowship
- Best poster Award, international conference SMARTGREENS 2017
- Valedictorian Msc Computer Science 2016
- French Government Scholarship (Excellence Scholarship), 2013 - 2014
- Winner of the rock'n roll ballroom dance competition, Madagascar, 2007

Assets

Science popularization

- Finalist of the MT180s competition in Reunion Island
- Participation in various events (Science day, engineering sciences for women day)
- Communicating science to college students, high school students and general public

Like to learn

Activités scientifiques

Conférences et manifestations scientifiques

- Oral presentations at the SMARTGREENS 2017 , MABS 2018, ABMUS 2018, SIMULTECH 2018 International Conferences.
- Oral presentations during seminars at the Laboratory of Computer Science and Mathematics (LIM) of the University of Reunion
- Combinatorics and Algorithmics Research School, International Center for Pure and Applied Mathematics (CIMPA), Madagascar, July 2016

Scientific publications

- Tahina Ralitera, Denis Payet and Rémy Courdier. Toward a Temporal Environment for Multi-Agent Simulation. 11th International Conference on Computer Modeling and Simulation (ICCMS 2019), Journal of Communication ISSN: 1796-2021, 2374-4367
- Tahina Ralitera, Nathan Aky, Denis Payet and Rémy Courdier Steps Towards a Balance Between Adequacy and Time Optimization in Agent-Based Simulations - A Practical Application of the Temporality Model Time Scheduling Approach. 8th International Conference on Simulation and Modeling (Simultech 2018)
- Tahina Ralitera, Denis Payet, Nathan Aky and Rémy Courdier The Temporality Model Time Scheduling Approach: a Practical Application. 19th International Workshop on Multi-Agent-Based Simulation (MABS 2018), AAMAS 2018
- Tahina Ralitera, Nathan Aky, Denis Payet and Rémy Courdier Steps Towards Scalable Agent-Based Simulation Model: Impact of the Time Scheduling Approach. 3rd International Workshop on Agent-Based Modelling of Urban Systems (ABMUS 2018), AAMAS 2018
- Nathan Aky, Tahina Ralitera, Denis Payet, and Rémy Courdier SkuadCityModel : Une simulation de déplacements urbains construite sur la plateforme SKUAD. Journées Francophones sur les Systemes Multi-Agents (JFSMA 2018)
- Tahina Ralitera and Rémy Courdier Toward Smart Island Simulation Application a Case Study of Reunion Island In *Highlights of Practical Applications of Cyber-Physical Multi-Agent Systems: International Workshops of PAAMS 2017, Porto, Portugal, June 21-23, 2017, Proceedings* Springer International Publishing, J. Bajo et al. (Eds.) ISBN 978-3-319-60285-1 DOI: [10.1007/978-3-319-60285-1_39](https://doi.org/10.1007/978-3-319-60285-1_39)
- Tahina Ralitera, Maxime Ferard, Gonzalo Bustos-Turu, Koen Van-Dam. and Rémy Courdier Steps Towards Simulating Smart Cities and Smart Islands with a Shared Generic Framework - A Case Study of London and Reunion Island. In *Proceedings of the 6th International Conference on Smart Cities and Green ICT Systems* ISBN 978-989-758-241-7, pages 329-336. DOI: [10.5220/0006371203290336](https://doi.org/10.5220/0006371203290336)
- Rémy Courdier, Denis Payet and Ralitera Tahina Intelligence Artificielle et Transports : Travaux de recherche menés au LIM, groupe de Travail Systèmes Collectifs Adaptatifs. In *Bulletin de l'Association française pour l'Intelligence Artificielle (AFIA) N 91. 2016* , pp.29-30

Collaboration with other scientists (International)

- Collaboration with researchers from Imperial College London: laboratory visit and joint publication
- Collaboration being set up with researchers in Australia and Madagascar

Languages

Malagasy

French

English

Travel

English internship in India 3 months

Conférences

- France
- Portugal
- Sweden

Stays and holidays

- Madagascar
- Mauritius
- Germany

Interests

Passionate about dance

Former competitor of ballroom dancing and sports in Madagascar, regularly participates in traditional Malagasy dance performances in Reunion. Currently attending hip hop and dancehall classes.

Promotional actions for women in science

- Founding member of the "Elles Bougent" delegation in Reunion
- Ambassador of the "For girls and science" program of the L'Oréal Foundation
- Interventions to promote women's participation in science