

Curriculum Vitæ

Loic Guegan

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Career

- Since 1 October 2017: PhD Student at IRISA/INRIA funded by ENS Rennes (France)
- 2015-2017: Master's degree in software engineering at "Université de Rennes 1" (France)
- 2012-2015: Bachelor's degree in computer science at "Université de la Réunion" (Reunion Island France)
- 2011-2012: Scientific High School Diploma (Reunion Island France)

Teaching

- 2019-2020: Network Engineering (16h TP): VLAN, DHCP, NAT, STP, Cisco routers/switches.
- 2019-2020: Functional and Immutable Programming (18h TP): Scala, algebraic data type, high order, recursion.
- 2019-2020: Cooperation and Concurrency in Computer Systems and Networks (32h TP): Java, multithreading, synchronisation mechanisms, OOP.
- 2018-2019: Functional and Immutable Programming (12h TD, 20h TP): Scala, algebraic data type, high order, recursion.
- 2018-2019: Computer Architecture (16h TD, 16h TP): Java, Logical circuits, ISA, process management, I/O, memory management, file system and assembly.
- 2017-2018: Linux System Programming (30h TP): C, system calls, sockets, shared memory, cache management.

Internships

- 2019: Two months internship at DMTCP laboratory at Northeastern University (Boston US) working on Intel DVFS performance prediction.
- 2017: 6 months internship at "IFREMER" (French Research Institute for Exploitation of the Sea) in collaboration with the University Institutes of Technology of Reunion Island (France) on Lora radio beacon geolocation for sea turtles geolocation.
- 2016: 3 months internship at "Distri Éducation" in Rennes (France) on autonomous terminal for task automation.

Publications

- Loic Guegan, Anne-Cécile Orgerie. Estimating the end-to-end energy consumption of low-bandwidth IoT applications for WiFi devices. CloudCom2019, Dec 2019, Sydney, Australia.
- Loic Guegan, Betsegaw Amersho, Anne-Cécile Orgerie, Martin Quinson. A Large-Scale Wired Network Energy Model for Flow-Level Simulations. AINA 2019 - 33rd International Conference on Advanced Information Networking and Applications, Mar 2019, Matsue, Japan. pp.1-12.
- Guegan, L., Murad, N. M., & Bonhommeau, S. (2018, March). Sea Turtles Geolocalization in the Indian Ocean: An Over Sea Radio Channel framework integrating a trilateration technique. In IOP Conference Series: Materials Science and Engineering (Vol. 321, No. 1, p. 012005). IOP Publishing.
- Guegan, L., Murad, N., Lebreton, J., & Bonhommeau, S. (2017). Integrating over sea radio channel for sea turtles localization in the Indian Ocean. arXiv preprint arXiv:1712.03146.
- N. M. Murad, L. Guegan and S. Bonhommeau, "Why satellite localization beacons are not adapted for marine turtles' study: A sea wireless sensors network solution," 2017 Global Information Infrastructure and Networking Symposium (GIIS), St. Pierre, 2017, pp. 79-86.

Paper Reviews

- 2020:
 - IEEE ISCC 2020
- 2019:
 - Elsevier: "Journal of Computational Design and Engineering"
 - Euro-Par

Other Activities

- Member of Irisa Laboratory Council (since 11/15/18):
- Compas 2019 Conference (France)
- Green Days 2019 (France)
- SimGrid workshop (France)
- Participate to the "Informatique débrancher" to help collegian to discover computer science
- Simgrid User Days (France)
- Technicolor Workshop Wos7 (France)
- Drew Paine seminar about "Sociotechnical Investigations of Scientific Software, Collaboration & Infrastructure" (France)
- Winter school about Distributed Systems and Networks in "Les Septs Laux" (France)
- Research School E3-RSD for researchers on Energy Efficiency of Networks and Distributed Systems (France)
- Presentation at XUG (eXperimental User Group) (France)

Resources

- Website: <http://people.rennes.inria.fr/Loic.Guegan/index.html>
- Gitlab: <https://gitlab.com/manzerbredes>