

Nadjib Lazaar

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Short Biography

Nadjib Lazaar defended his HDR (Habilitation) on november 18th, 2022 at University of Montpellier. He received his Master Sc. and PhD degrees, both in computer science from University of Rennes 1, France, in 2008 and 2011 respectively. Following his PhD, he worked as an INRIA postdoctoral researcher at INRIA-Microsoft Research Joint Center Paris-Saclay till September 2012. In 2012/2013, he worked as postdoctoral researcher at the European ICON project FP7 FET-Open in Montpellier, France. Since 2013, he is a tenured assistant professor at the University of Montpellier, and the co-head of the COCONUT team at LIRMM lab. In 2019/2020, he was assigned to CNRS for one-year full time. His research interests are situated at the cross-roads of Constraint Programming (CP), Data Mining (DM), Machine Learning (ML) and Software Engineering for Neuro-Symbolic and Trustworthy AI systems.

Education

HDR in Computer Science

Montpellier, France

UNIVERSITY OF MONTPELLIER

Nov. 2022

- Docent Habilitation in Computer Science (HDR). From University of Montpellier, France. Disputation date: 18 Nov. 2022. "Constraints and Learning".

PhD in Computer Science

Rennes, France

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Oct. 2008 - Sept. 2011

- **Laboratory** INRIA-IRISA. **Team-Project:** Celtique. **Title:** Methodology and tool for fault detection, localisation and correction of constraint programs. **Qualification:** "Très honorable avec félicitations du jury." (cum laude). **Rennes, France, December 2011.**

Master Sc. Degree in Computer Science

Rennes, France

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Oct. 2007 - Sept. 2008

- **Michel Metivier foundation scholarship.** **Master:** Computer Science Security. **Thesis:** Constraint-Based Local Search for Automatic Test Data Generation. **Laboratory:** INRIA-IRISA. **Team-Project:** Lande.

Engineer's degree in Computer Science

Oran, Algeria

UNIVERSITÉ ES-SENIA D'ORAN

Oct. 2002 - Sept. 2007

- **Valedictorian.** **Thesis:** Deployment and verification of cryptographic protocols in electronic commerce. **internship:** national state-owned oil company of Algeria (Sonatrach). **Qualification:** "Très honorable avec félicitations du jury." (cum laude). **Oran, July, 2007.**

Current and previous positions

Assistant Professor

Montpellier, France

IUT OF MONTPELLIER-SÈTE

Since 2013

- Assistant Professor at l'IUT of Montpellier-Sète (University of Montpellier), CNRS, LIRMM Laboratory. **Team:** COCONUT.

Team co-head

Montpellier, France

COCONUT, LIRMM

Since 2018

- Co-head of the COCONUT team, LIRMM (10 members). **Team:** COCONUT.

CNRS Postdoctoral Researcher

LIRMM, CNRS

Montpellier, France

Oct. 2012 - Sept. 2013

- CNRS Postdoctoral researcher at LIRMM. **Team:** COCONUT. **European Project:** ICON (FP7 FET-Open). **Collaboration:** Christian Bessiere. **Topic:** Constraint Acquisition (Algorithms and complexities).

INRIA Postdoctoral Researcher

INRIA-MICROSOFT JOINT CENTRE

Saclay, France

Oct. 2011 - Sept. 2012

- INRIA Postdoctoral Researcher at INRIA-Microsoft Research Joint Centre. **Team-project:** TAO-LRI. **Collaborations:** Michèle Sebag, Youssef Hamadi. **Topic:** Cooperation control in Parallel SAT Solving: a Multi-armed Bandit Approach.

Resume

Publications: 1 book chapter; 4 journal papers; 24 international conference papers; 8 international workshop paper; 6 national papers; 10 research reports.

Supervision: 1 post-doc, 8 PhDs (3 defended) and 6 Master students.

Research visits: LS2N, Nantes. LITIO, Oran, Algeria. SIMULA, Oslo, Norway. Insight Centre, Cork, Ireland.

Tutorials and talks: PFIA Tutorial; ACP summer school; Dagshtul Seminar; Scientific mediation; 20 research talks.

Editorship and membership:

- (**WORKFLOW CHAIR**) at the IJCAI-PRICAI2020, the 29th International Joint Conference on Artificial Intelligence and the 17th Pacific Rim International Conference on Artificial IntelligenceThe International Joint Conference on Artificial Intelligence IJCAI 2020.
- (**TRACK CHAIR**) at the International Conference on Principles and Practice of Constraint Programming CP 2017-2022.
- (**SENIOR PC**) at the International Joint Conference on Artificial Intelligence IJCAI 2021.
- (**MEMBER OF THE COMMITTEE PROGRAM**) of IJCAI 2018-2022, IJCAI Survey Track 2020-2022, AAAI 2019-2022, CP 2016-2022, AAMAS 2021, ECAI 2020, IEEE-AiTest 2019-2022, IEEE-QSIC 2013-2014, IEEE-QSR 2015, LML 2013, JFPC 2015-2019.

Research projects, grants and awards:

- (**EUROPE**) AI4CCAM Project, H2022 European project (participant, 2023-2026).
- (**EUROPE**) TAILOR Project, H2020 European project (participant, 2020-2023).
- (**EUROPE**) European ICON project (FP7 FET-Open) (participant, 2012-2015).
- (**NORWAY**) Norwegian RCN T-LARGO project (participant, 2018-2022).
- (**ANR**) ANR BR4CP project (scientific coordinator, 2012-2015).
- (**ANR**) ANR CAVERN project (participant, 2009-2011).
- (**PHC**) PHC AURORA France-Norway project (Leader, 2018).
- (**UM**) UM CAR project (Recipient of 12 . 150€ in 2020 and 16 . 100€ in 2021).
- (**UM**) PEPS I3A INSMI and IN2SI project (Recipient of 9 . 000€, 2018).
- (**UM**) UM PRECONSY project (participant, 2017).
- (**CNRS**) PEPS-JCJC 2015 IN2SI project (Recipient of 8 . 000€, 2015).
- (**INRIA**) ADAPT project, Inria-Microsoft joint Center (participant, 2011-2012).
- (**INRIA**) INRIA-DGRSDT Algeria project (participant, 2010-2012).

- **(BEST PAPER)** Recipient of the *Best paper award* of the first IEEE international conference on Artificial Intelligence Testing (IEEE-AI Testing, San Francisco, 2019).
- **(PEDR)** Recipient of the *Prime d'encadrement doctoral et de recherche (PEDR)* from Conseil National des universités CNU27 **(2015-2019) and (2019-2023)**.
- **(DÉLÉGATION CNRS)** One-year full time CNRS assignment at GREYC, Caen (2019-2020).
- **(CRCT)** Congés pour Recherches ou Conversions Thématiques (6 months CRCT 2019/2020) (subsumed by the CNRS assignement).
- **(SUPPORT)** Recipient of 6 months engineering support from LIRMM/SATT AxLR Montpellier for a Proof Of Concept project on "Constraint Acquisition".

Scientific collaborations:

(INTERNATIONAL) *Simula Research Laboratory*, Oslo, Norway (Since 2016). *LITIO Research Laboratory*, Oran, Algeria (Since 2016). *ABB Robotics*, Bryne, Norway. *University of Western Macedonia*, Kozani, Greece. *University College Cork*, Irland. *Swedish Institute of Computer Science*, Stockholm, Sweden. *Nicta*, Australia. *University of Laval*, Quebec,Canada. *University of Rabat*, Morocco.

(NATIONAL) *GREYC*, Caen (Since 2016). *LS2N*, Nantes (Since 2016). *CEA Paris Saclay* (Since 2019). *LAAS-CNRS*, Toulouse. *INRA Agro ParisTech*, Paris. *CRIL*, Lens.