Curriculum Vitae

Abderrazak Daoudi

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Education

2013–2016 **PhD in Computer Science**, University of Montpellier, France & University Mohammed V of Rabat, Morocco.
Thesis title: Learning and Using Structures for Constraint Acquisition.
Advisors: Christian Bessiere & El Houssine Bouyakhf.
Track: Artificial Intelligence.

2008–2010 **MSc in Computer Science**, University Mohammed V of Rabat, Morocco.

2005–2008 **BSc in Physics**, University Mohammed V of Rabat, Morocco.

Professional Experience

2018– **Associate Professor**, CESI Engineering School, Reims, France.

2017–2018 **Associate Professor**, INSA of Lyon, University of Lyon, France.

2016–2017 **Associate Professor**, Faculty of Science and Technology, University of Jean Monnet, Saint-Étienne, France.

2013–2016 **PhD Student** at CNRS/LIRMM Laboratory, University of Montpellier.
Thesis Title: Learning and Using Structures for Constraint Acquisition.
Research Project: Constraint Acquisition is a new filed that lies on the conjunction of Machine Learning and Constraint Programming. It aims at assisting novices in modeling their problems as a constraint network. The propose of my thesis was to make constraint acquisition more efficient in practice by using new approaches based on the structure of the problem.
Advisors: Christian Bessiere & El Houssine Bouyakhf.

2015–2016 **Temporary Lecturer** at Department of Computer Science, IUT of Montpellier, University of Montpellier, France.

Apr. 2013–Dec. 2014 **Researcher** at the European Open project ICON (www.icon-fet.eu).
ICON (Inductive Constraint Programming) is a project that integrates Constraint Programming, Data Mining and Machine Learning to build a unified intelligent framework.

2013–2014	**Temporary Lecturer** at Department of Computer Science, Faculty of Science, University of Montpellier, France.
2012–2013	**Temporary Lecturer** at Department of Computer Science, Faculty of Science, University of Mohammed V, Morocco.
Oct. 2012–Jan 2013	**Visiting student researcher** at LIA Laboratory, University of Avignon, France. Research project: Modelling and solving optimal placement problems in wireless sensor networks.
June 2011–Sep. 2011	**Visiting student researcher** at LIA Laboratory, University of Avignon, France. Research project: Development of algorithmic methods for the coverage problem in wireless sensor networks.
Jan. 2010–July 2010	**Project Graduation** at Thales Group & LIMIARF Laboratory, Mohammed V University of Rabat, Morocco. Project: Study, design and implementation of a simulator/optimizer of mobile communication systems deployment.

Scholarships & Distinctions

2016	AAAI/AI Journal **Travel grant** to attend IJCAI-16.
2013	AFPC **Travel grant** to attend JFPC-13.
	Averroes Fellowship, 20 months PhD Fellowship. Scholarship of Excellence from the European Commission.
2012	**Best paper award** at "Journées Doctorales en Systèmes d'Information, Réseaux et Télécommunication" (JDSIRT-2012), ENSIAS Rabat, Morocco.
2011	**CNRST Fellowship**, 3 years PhD Fellowship (Award of Excellence of thesis proposal). Scholarship of Excellence from the Moroccan government. **3th Award of excellence** from University of Mohammed V.

Publications

1. **A. Daoudi**, Y. Mechqrane, C. Bessiere, N. Lazaar, and E. H. Bouyakhf. "Constraint Acquisition with Recommendation Queries". In Proceedings of the 25th International Joint Conference on Artificial Intelligence (**IJCAI-16**), New York City, USA, 2016 – CORE Ranking : A^*.

2. C. Bessiere, **A. Daoudi**, E. Hebrard, G. Katsirelos,N. Lazaar, Y. Mechqrane, N. Narodytska, C. Quimper and T. Walsh. "New Approaches to Constraint Acquisition". Data Mining and Constraint Programming, Volume 10101 of the series Lecture Notes in Computer Science pp 51-76, 2016.

3. **A. Daoudi**, N. Lazaar, Y. Mechqrane, C. Bessiere, and E. H. Bouyakhf. "Detecting Types of Variables for Generalization in Constraint Acquisition". In Proceedings of the 27th IEEE International Conference on Tools with Artificial Intelligence (**ICTAI-15**), Vietri Sul Mare, Italy, 2015 – CORE Ranking : B.

4. C. Bessiere, R. Coletta, **A. Daoudi**, N. Lazaar, Y. Mechqrane, and E. H. Bouyakhf. "Boosting Constraint Acquisition via Generalization Queries". Proceedings of the 21st European Conference on Artificial Intelligence (**ECAI-14**), Prague, Czech Republic, pages 99-104 – CORE Ranking : A.

5. C. Bessiere, R. Coletta, **A. Daoudi**, N. Lazaar, Y. Mechqrane, and E. H. Bouyakhf. "Acquisition de contraintes par requêtes de généralisation". In Dixièmes Journées Francophones de Programmation par Contraintes (**JFPC'14**), Angers, France, 2014.

6. **A. Daoudi**, Y. Kerfi, I. Benelallam, and E. H. Bouyakhf. "Multi-objective Optimization Approach for Wireless Sensor Networks Deployment in Three Dimensional Environments". Journal of Electronic Systems Volume, 2(3), 127, 2012.

7. **A. Daoudi**, Y. Kerfi, I. Benelallam, and E. H. Bouyakhf. "A constraint programming approach for coverage optimization problem in WSN". In Second International Conference on Innovative Computing Technology (INTECH), (pp. 123-127). IEEE, 2012.

8. **A. Daoudi**, Y. Kerfi, I. Benelallam, and E. H. Bouyakhf. "A robust optimization deployment approach by constraint programming" JDSIRT-12, Rabat, Morocco, Mai 14-15, 2012 (**Best paper award**).

Skills

Languages

English	Professional working proficiency
French	Fluent
Arabic	Mother tongue
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Technical Skills

Programming	Java, Python, R, C, C++, Matlab, OCaml.
CP Solver	Cplex, Chocco Solver, Gecode.
Web	HTML5, CSS, PHP, Javascript, JEE(Servlet, JSP, XML, JDBC), JQuery, Bootstrap.
DB System	Oracle, MySQL, Access.
OS	Linux; Windows: XP, 7, 10.

Other activities

- Member of the French Association of Constraint Programming (AFPC).
- Participation in the animation of the 9th edition of the National Week of Science, Rabat, Morocco.
- Member of the organizing committee of the 3th and 4th National Competition of Robotics, Morocco.
- Participation in the 2th robotics competition of the Faculty of Sciences of Rabat, Morocco.
- Sports: Football, Running.