MOHAMED SIALA [SHORT CV]

RESEARCH INTEREST

Computationnal Thinking, Combinatorial Optimisation, AI

WORK EXPERIENCE

2018 -present	Associate professor in computer science LAAS-CNRS, INSA Toulouse, France
2015 - 2018	Post-doctoral researcher Insight, Centre for Data Analytics, UCC, Ireland Supervisor: Barry O'Sullivan

EDUCATION

2012 – 2015	PhD in Computer Science, INSA Toulouse, LAAS-CNRS, France Title: *Search, propagation, and learning in sequencing and scheduling problems* Funding: CNRS, Google, and Midi-Pyrénées region Supervisors: Emmanuel Hebrard and Christian Artigues
2010 – 2012	Master's degree in AI and Decision Making, *ENSI, Tunisia*
2007 – 2010	Computer engineering diploma, *ENSI Tunisia*
2005 – 2007	Bachelor's degree in Mathematics and Physics, "Classes préparatoires", *IPEIS, Tunisia*

AWARDS

2016	**Honorable mention for the best PhD Thesis Award in AI** European Association for Artificial Intelligence
2012	**Best paper award, honorable mention** for the paper "An Optimal Arc Consistency Algorithm for a Chain of Atmost Constraints with Cardinality", CP 2012 Conference
International Constraint Programming Competitions	**Mistral-2.0, an open-source constraint programming library that won multiple awards in the XCSP competition and Minizinc Challenge**

PH.D SUPERVISION

2020-2023 · **[Graduated]** Co-supervising the PhD of Julien Ferry with Marie José Huguet and Sébastien Gambs:

Addressing Interpretability, Fairness & Privacy in Machine Learning Through Combinatorial Optimization Methods

2019-2022 · **[Graduated]** Co-supervising the PhD of Hao Hu with Marie José Huguet:

Interpretable Machine Learning Models via Maximum Boolean Satisfiability

2016-2019 · **[Graduated]** Co-supervising the PhD of Begum Genc with Barry O'Sullivan:

An Approach to Robustness in Stable Marriage and Stable Roommates Problems