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

2011 – 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 Undergraduate degree in Mathematics and Physics, " Classes préparatoires ", *IPEIS, Tunisia*

AWARDS

2016 **Best PhD Thesis Award, honorable mention**, 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**

SUPERVISION

PhD. 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