Riad MENASRI

Date of birth : 04 April 1986

Address : 24 Rue de la Courneuve
93300 Aubervilliers
France
+336.10.04.80.62
menasri.riad@gmail.com

Education

PhD student — **Since December 2012**, *Lissi Laboratory*, University of Paris Est Créteil, France.
Control by artificial vision of a robotic endoscope.

Master's degree — **2012-2013**, *University of Paris 6*, France.
specializing in Advanced systems and robotics.

Master's degree — **2010-2011**, *Ecole Normale Supérieure de Cachan*, France.
specializing in Embedded systems and information processing.

Engineering degree — **2009**, *Ecole Nationale Polytechnique d'Alger*, Algeria.
specializing in Automatic.

Work Experience

Teaching

Temporary — **02/2014-05/2014**, *University of Paris Est Créteil*, France.
TP VHDL, 60 hours .

Temporary — **01/2014-04/2014**, *University of Paris 8*, France.
Lecturer (TD): Robotics, 30 hours .

Temporary — **09/2013-12/2013**, *University of Paris 8*, France.
Lecturer (TD): VHDL 30 hours .

Work

Intern — **04/2011-09/2011**, *INRIA*, France.
Design and realization of a real-time scheduler taking into account the cost of preemption .
Realized work : modelling and simulation with Petri nets, coding with ARM Assembly and C language, tests on the MCB2929 board.

Intern — **03/2010-06/2010**, *Schneider Electric*, Algeria.
Contribution to the supervision of pumping stations.
Realized work : technique specifications, achievements views supervision with Vijeo Citect, realization of PLC programs with Unity Pro software, tests and validation.

Intern — **07/2009-08/2009**, *Sonatrach*, Algeria.
Treatment plant gas.
Realized work : observation and understanding the operation of gas processing stations.

Intern — **07/2008-08/2008**, *Sonatrach*, Algeria.
Introduction to programmable logic controllers.
Realized work : observation and understanding the operation of a pumping station using supervision schemes.

Skills

Automatic — Modelling and simulation, stability analysis, control loop realization, optimization,...

programming language — C, C++, Matlab, Simulink, ARM Assembly, VHDL, SystemC, Grafcet, Ladder.

Software — Unity Pro, Zeliosoft, Zen omron, Proteus, Vijeo Citect, Xilinx ISE.

Languages

Arabic — Fluent.

French — Fluent.

English Good working knowledge.

Publications

Conferences **R. Menasri, H. Oulhadj, B. Daachi, A. Nakib and P. Siarry**, *A genetic algorithm designed for robot trajectory planning*, IEEE International Conference on Systems, Man, and Cybernetics, San Diego USA, October 2014.

R. Menasri, H. Oulhadj, B. Daachi, A. Nakib and P. Siarry, *Smooth trajectory planning for robot using particle swarm optimization*, International Conference on Swarm Intelligence Based Optimization, Mulhouse France, May 2014.

R. Menasri, A. Nakib, H. Oulhadj, B. Daachi, P. Siarry and G. Hains, *Path planning for redundant manipulators using metaheuristic for bilevel optimization and maximum of manipulability*, IEEE International Conference on Robotics and Biomimetics (ROBIO), Shenzhen China, December 2013,145-150.

Journal **R. Menasri, A. Nakib, H. Oulhadj, B. Daachi, P. Siarry and G. Hains**, *A trajectory planning of redundant manipulators based on bilevel optimization*, Article **submitted** to Applied Mathematics and Computation journal.

R. Menasri, H. Oulhadj, B. Daachi, A. Nakib and P. Siarry, *Smooth trajectory planning for robot using metaheuristics*, Article **submitted** to Robotics and Autonomous Systems journal.

Others

Representative of the PhD students for the academic year 2013/2014.

Participation in the ROADEF Congress 2014.

Hobbies

Science and technology, Mathematics, Cinema, Sport.