

# Sarra Jlassi, PHD

## Curriculum Vitae

### PERSONAL INFORMATION:

- NAME: SARRA Jlassi
- BIRTH: TUNIS, TUNISIA, OCTOBER 27TH, 1984
- NATIONALITY: TUNISIAN

### ADDRESS:

#### Home Institute

Tunisia Polytechnic School  
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**2013-2014**

Temporary Lecturer and Research Assistant, University of Paris SUD, Mathematical Department.

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### Education

**2010 – 2013**

**PHD in Automatic Control/Robotics at Signals and Systems Laboratory, Supelec & University of Paris SUD.**

Research topic: heavy load co-manipulation in the context of physical human-robot interactions.

Supervisors: CHITOUR Yacine and TLIBA Sami

**2008 – 2009**

**Master of Mathematical Engineering at Tunisia Polytechnic School.**

Research Project: «contribution to energy-shaping control of impulsive nonlinear dynamical systems».

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### Skills

#### **Languages ability:**

English: (writing–advanced, reading–advanced, communication skills–advanced).

French: (writing–advanced, reading–advanced, communication skills–advanced).

Arabe: Native.

**Computer Skills:**

Advanced knowledge of Microsoft & Windows environment and Office suite (Word, Excel, Access, PowerPoint, FrontPage and Outlook).

**Programming languages:**

C/C++, Matlab/Simulink, Maple, Pascal.

**Editing and publishing:**

Advanced knowledge of LATEX.

**Mathematical skills**

Fundamental mathematics, Engineering Mathematics, Operational Research, Numerical Analysis and Optimization, Probability and Stochastic Processes, algebra and differential geometry etc.

**Other skills**

Automatics, dynamical systems, robotics control.

**Personal Characteristics:**

Hardworking, persistent, actively listening to people and stimulating interest and discussion, Enjoy involvement in active research group collaborating within wider research community to communicate scientific opinions.

**Hobbies and Interests:**

Sports (biking, swimming, jogging), travel, dance.

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## LIST OF PUBLICATIONS

**International Communications**

- Jlassi Sarra; Tliba Sami; Chitour Yacine, "An Online Trajectory generator-Based Impedance control for co-manipulation tasks," Haptics Symposium (HAPTICS), 2014 IEEE , vol., no., pp.391,396, 23-26 Feb. 2014.  
keywords: {Co-manipulation; Impedance control; Online trajectory generation; Physical human-robot interaction}.
- Jlassi Sarra, Tliba Sami, Chitour Yacine, On Human-Robot Co-manipulation for Handling Tasks: Modeling and Control Strategy - Conference: SYROCO 2012 (Dubrovnik, HR, 2012-09-05) - Publiées: Proceedings of the 10th International IFAC Symposium on Robot Control, vol. p.710 (2012).
- Jlassi Sarra, Tliba Sami, Chitour Yacine, Sur la co-manipulation homme-robot pour des tâches de manutention - Conférence: 7ème Conférence Internationale Francophone d'Automatique 2012, (CIFA 2012) (Grenoble, FR, 2012-07-04) - Publiées: Actes de la 7ème Conférence Internationale Francophone d'Automatique (CIFA 2012), vol. p.72 (2012).

## Journal articles

- Sarra Jlassi, Sami Tliba, Yacine Chitour, (2014) "An event-controlled online trajectory generator based on the human-robot interaction force processing", *Industrial Robot: An International Journal*, Vol. 41 Iss: 1, pp.15 – 25.
- In Preparation: Sarra Jlassi , Sami Tliba , Yacine Chitour, LPV Modeling and Control For Physical Human-Robot Interaction Based On Descriptor Representation.