Guillaume de Chambrier

Avenue de la Gare 3 – 1020 Renens – Switzerland   •   Born 29.06.1987
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🌐 http://lasa.epfl.ch/people/member.php?SCIPER=213946.com   •   Swiss and British

Profile

With several independent projects, I am an expert in developing and applying machine learning techniques to robot systems and I poses meticulous strong analytical skills.

Education

PhD in Manufacturing Systems & Robotics   **École polytechnique fédérale de Lausanne, Switzerland**
- Thesis: Learning Search Strategies from Human Demonstrations   *2012 - 31.08.2016*
  supervisor: Prof. Aude Billard

First class Master of Informatics with Honours Informatics   **University of Edinburgh, UK**
- supervisor: Thesis: [add]   *2006 - 2011*
  Dr. Michael Herrmann

Erasmus Exchange, Bachelor   **Universität des Saarlandes, Germany**
2008 - 2009

Experience

Teaching Assistant   **École polytechnique fédérale de Lausanne**
- Course: Applied Machine Learning (MSc)   *2013-2016*
- Course: Advanced Machine Learning (MSc)

European Project   **École polytechnique fédérale de Lausanne**
- Flexible Skill and Intuitive Robot Tasking   *2012-2013*

Supervision   **École polytechnique fédérale de Lausanne**
- Akshara Rai (Msc student)   *2013*

Technical Skills

Programming: C/C++, Python, Java, MATLAB

Expertise: Robotics, Reinforcement Learning, Non-parametric Bayesian inference, Machine learning & Computer Vision

Languages

French, English (first language)

Awards and Certification

2010: Google Prize: Best Phase 1 Project in Master of Informatics Programme

Publication

Oral Presentations

de Chambrier G,et al: (Oct. 2013). Learning from Failed Demonstrations in Unreliable Systems. IEEE-RAS International Conference on Humanoid Robots, Atlanta, US.

de Chambrier G,et al: (Dec. 2013). Learning search behaviour from humans. IEEE-Robotics and Biomimetics (ROBIO), Shenzhen, CN.

de Chambrier G,et al: (Jun. 2014). Learning search policies from humans in a partially observable context. Journal of Robotics and Biomimetics. 1:8

de Chambrier G,et al: (2016). Learning Peg-in-Hole policies given no visual information. Journal of Robotics and Autonomous Systems (RAS) *(under review)*

de Chambrier G,et al: (2016). Measurement Likelihood Memory for Bayesian State Estimation for search scenarios. Journal: Frontiers in Artificial Intelligence*(under review)*