# Nicola Preda

| *Personal Informations* | |
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| **First Name / Surname** | Nicola Preda |
| **Nationality** | Italian |
| **Date of birth** | April 10, 1984 |

| *Current position* | |
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| *Position* | Research Assistant |
| *Scientific sector* | Automatic Control |
| *Affiliation* | University of Ferrara, Department of Engineering, Via Saragat 1, 44122 Ferrara (Italy) |
| *Contact details* | email: nicola.preda@unife.it |

| *Education* | |
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| **December 2007** | B.S. in Ingegneria Informatica e dell'Automazione<br>*Final Thesis:* "Firmware development for a differential drive system for robotics applications" |
| **October 2011** | M.S. in Ingegneria Informatica e dell'Automazione<br>*Final Thesis:* "Retrofit hardware and software of the control system of an anthropomorphous robotic manipulator" |

| *Work experience* | |
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| **Sept 2008 – Sept 2010** | Design and development of hardware, firmware and software for the automation of a topographic instrument produced by Leica Geosystems (DNA03) |
| **Mar 2010 – May 2010** | Didactic tutor at University of Ferrara; lessons about the use of Matlab for algorithms implementation |
| **Jan 2010 – June 2010** | Laboratory technical; development of an Arduino-like board using a Microchip PIC24 microcontroller |

| *Personal skills and competences* | |
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| **Mother tongue** | Italian |
| **Other languages** | English |

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| **Technical skills and competences** | Good experience with the design and development of PCB; good experience in programming microcontrollers |
| **Computer skills and competences** | **Operating systems:** Good<br>**Programming languages:** Excellent<br>**Word processing:** Excellent<br>**Electronic spreadsheet:** Good<br>**CAD skills:** Good<br>**Programming languages known:** C, C++, C#, Java, Lua, Processing, Matlab<br>**Framework and libraries:** Orocos, OpenGL |