

## Curriculum Vitae



### Personal information

First name / Surname **Cristina Pasquinelli**

Mobile: +45 53334147

E-mail [cristinap@drcmr.dk](mailto:cristinap@drcmr.dk)

### Work experience

Date December 2015 – present

Position PhD student

Topic Establishment of a setup for LIFUP (Low Intensity Focused Ultrasound Pulsation) and its implementation for human brain stimulation.

Department DTU (Danmarks Tekniske Universitet) Elektro, Kgs. Lyngby, Denmark  
DRCMR (Danish Research Centre for Magnetic Resonance), Hvidovre, Denmark  
KAIST (Korean Advanced Institute of Science and Technology), Daejeon, South Korea

Supervisors Main supervisor: Associate Prof. & Senior Researcher Axel Thielscher, DRCMR and DTU  
Co-supervisors: Associate Prof. & Senior Researcher Lars G. Hanson, DRCMR and DTU  
Assistant Prof. Hyunjoo Jenny Lee, KAIST

Date September 2016-September 2017

Position Exchange student

Description 1-year external stay as part of my PhD project

Department KAIST EE (Electrical Engineering), BMM (Bio Medical Microsystem) lab

### Education and training

Date September 2012 – March 2015

Title of qualification awarded M.Sc. degree in Biomedical Engineering

Thesis title: "Force and position control in a hybrid task" (**M.Sc. Thesis advisor:** Prof. Maura Casadio).  
Final grade: 110/110 cum laude

Thesis topic Investigate the mechanisms of motor control in a hybrid task that requires a concurrent control of force

Name and type of organisation providing education and training and position variables using a robotic interface.  
 Department of Informatics, Bioengineering, Robotics and System Engineering, DIBRIS, University of Genoa, Italy  
 Department of Robotics, Brain and Cognitive Sciences, RBCS, Italian Institute of Technology, IIT, Genoa, Italy

Date September 2014 – March 2015

Title of qualification awarded Student Internship

Name and type of organisation providing education and training Department of Robotics, Brain and Cognitive Sciences, RBCS, Italian Institute of Technology, IIT, Genoa, Italy

Date September 2009 – October 2012

Title of qualification awarded B.Sc. degree in Biomedical Engineering

Thesis title: "Experimental estimation of the mechanical effects of silicon oils on the human retina"  
**(B.Sc. Thesis advisor:** Prof. Alessandro Stocchino).  
 Final grade: 106/110

Thesis topic A plexiglass eye model was filled with silicon oil and human plasma. The effects of the surface tension on covering percentage of oil on the inner wall were studied. Silicon oils with different kinematic viscosities were considered.

Name and type of organisation providing education and training DICCA (Department of Civil Chemistry and Environmental Engineering) laboratories, University of Genoa, Italy

Date October 2009 – September 2014

Title of qualification awarded ISICT certificate

Description During my time as a Bachelor and Master student I won an ISICT scholarship. ISICT is a school that offers an excellent education in ICT (Information and communications technologies) at University of Genoa (<http://www.isict.it/>)

**Personal skills and competences**

Mother tongue **Italian**

Other language **English**

Self-assessment

**English**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Very good	Very good	Very good	Very good	Very good

Computer skills and competences Data analysis and statistics (Matlab), Signal processing, Programming (Python, C, C++, SQL, Assembly), Windows operating system, Office

**Additional informations**

The experimental work in which I have been involved at IIT has been accepted as research poster paper for "EMBC15, 37<sup>th</sup> annual international conference of the IEEE Engineering in Medicine and Biology Society"(Milan, August 25-29 2015)

