

# Alessandra Crobe

## PERSONAL INFORMATION



Sex: Female | Date of birth: 27/05/1986 | Nationality: Italian



75, Redipuglia, Cagliari, 09100, Italy



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## WORK EXPERIENCE

- 07/2014 - 02/2015    Owner of the sole proprietorship **Smartecne**
- research and development of biomedical devices.
- 10/2012 - 01/2013    Traineeship at **University of Pisa - Physics Department** - Pisa (PI), Italy.
- development of a system for the recycling of solar panels using magnetic field.
- 08/2007                Waitress at "La Camera" Restaurant, Melbourne, Australia.

## EDUCATION AND TRAINING

- 01/2013 - Ongoing    **PhD in Biomedical Engineering** at University of Cagliari - Cagliari (CA), Italy.
- Variability of the brain signals between subjects.  
Objectives of the course are: analysis of brain networks using EEG signals, data analysis.
- 07/2014 - 02/2015    **Contamination Lab** at University of Cagliari - Cagliari (CA), Italy.
- Project created to promote entrepreneurship culture and innovation. Goals of the project are: development of problem solving and gestational abilities; acquisition of relationship and cooperation skill; analysis of entrepreneurial opportunities connected with specific technical expertise.
- 10/2012                **Industrial Engineering Professional Qualification** at University of Pisa - Pisa (Pi), Italy.
- 09/2011 - 04/2012    **Master's Thesis in Biomedical Engineering** at Scuola Superiore Sant'Anna - Biorobotics Institute - Pontedera (PI) - Italy.

- Development a system for the localization of a magnetic endoscopic capsule. Objectives of the thesis are: utilization of CAD and multiphysics simulation software.

- 11/2009 - 04/2012 **Master's degree in Biomedical Engineering** at University of Pisa - Pisa (PI) - Italy.
- Vote: 105/110; Knowledge acquired: Medical Robotics, Bioengineering of Rehabilitation, Biomechatronics, Tissue Engineering, Biomedical Electronics, Bioengineering of Radiation, Modeling of Complex Systems, Analysis of Biomedical Signals, Biomolecular and Cellular Engineering.
- 09/2005 - 10/2009 **Bachelor's degree in Biomedical Engineering** at University of Cagliari - Cagliari (CA) - Italy.
- Knowledge acquired: Mechanics, Electronics, Biomaterials, Informatics, Micro-fabrication processes, Chemistry and Biochemistry, Anatomy and Physiology.
- 09/2000- 06/2005 **Science High School diploma** at Brotzu- Quartu S.Elena(CA) - Italy.
- Knowledge acquired: Mathematics, Physics, Italian, English, Latin.

## LANGUAGES

Italian	Mother tongue
English	Intermediate Level

## OTHER SKILLS

**Informatics:** Autocad, Comsol, Labview, Matlab, Office, Windows.

**Personal interests:** Sports. I'm a belly dancer.

**Driving licence (categories B)**

## PUBLICATIONS

A. Crobe, M. Desogus, A. Sanna, M. Fraschini, C. Gerosa, D. Fanni, V. Fanos, P. Van Eyken, G. Faa, “*Decreasing Podocyte Number during Human Kidney Intrauterine Development.*”, American Journal of Physiology – Renal Physiology DOI: 10.1152/ajprenal.00165.2014. - The first two authors contributed equally to this work.

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