



Maura Casadio

Professoressa associata

✉ maura.casadio@unige.it

☎ +39 0103532749

☎ +39 0103536550

Istruzione e formazione

2007

Laura magistrale in Bioingegneria

Rehabilitation robotics - for stroke survivors minimally assistive and adaptive protocols for visuo-haptic tracking and bimanual coordination
Università degli studi di Genova - Genova - IT

2006

PhD Degree in Robotics Materials Science and Bioengineering University of Genoa.

Neural Control of movement from the mechanical impedance to robot therapy
Università di Genova - Città - IT

2002

Laurea Magistrale in Ingegneria Elettronica

Study and set-up of a (ultrasound- infrared) system for ergonomic evaluation of gait
Università di Pisa - Pisa - IT

Esperienza accademica

2016 - IN CORSO

Professore Associato

Università di Genova - Genova - IT

2012 - 2015

Ricercatore a tempo indeterminato

Università di Genova - Genova - IT

2008 - 2011

Post-doctoral fellow

Northwestern University Feinberg School of Medicine - Chicago - US

Esperienza professionale

2006 - 2007

Ingegnere/ricercatore

Fondazione Don Gnocchi - Sarzana La Spezia - IT

Competenze linguistiche

Italian

Madrelingua

English

Esperto

French

Elementare

Attività didattica

2018/2019

Biomedical Robotics (6 CF), Master's Program in Bioengineering, School of Engineering, University of Genoa

Biomedical Robotics (6 CF), Master's Program in Robotics Engineering & Emaro, School of Engineering, University of Genoa

Rehabilitation Engineering (6 CF), Master's Program in Bioengineering, School of Engineering, University of Genoa

2016/2017 & 2017/2018

Biomedical Robotics (6 CF), Master's Program in Bioengineering, School of Engineering, University of Genoa

Rehabilitation Engineering (6 CF), Master's Program in Bioengineering, School of Engineering, University of Genoa

Biomeccanics and bioengineering (2 CF), Master's Program in Kinesiology, School of Medicine University of Genoa,

Biomeccanics (4 CF), Bachelor's Program in Kinesiology, School of Medicine University of Genoa, (1/2 course)

2015/2016 Biomedical Robotics (6 CF), Master's Program in

Bioengineering, School of Engineering, University of Genoa

Rehabilitation Engineering (6 CF), Master's Program in Bioengineering, School of Engineering, University of Genoa

Biomeccanics and bioengineering (2CF), Master's Program in Kinesiology, School of Medicine University of Genoa

Biomeccanics (4CF), Bachelor's Program in Kinesiology, School of Medicine University of Genoa, (1/2 course)

2014/2015 Biomedical Robotics and Rehabilitation Engineering (6 CF),

Master's Program in Bioengineering, School of Engineering, University of Genoa

Biomeccanics (4CF), Bachelor's Program in Kinesiology, School of Medicine University of Genoa, (1/2 course)

2013/2014 Biomedical Robotics and Rehabilitation Engineering (6 CF),

Master's Program in Bioengineering, School of Engineering, University of Genoa

2013/2014 Neurorehabilitation and Biorobotics Laboratory (5CFU),

Master's Program in Bioengineering, School of Engineering, University of Genoa

2013/2014 Movement Biomechanics and Rehabilitation Engineering (12

CF), Master's Program in Bioengineering, School of Engineering, University of Genoa, of unit on 'Rehabilitation Engineering' (6 CF)

2012/2013 Anthropomorphic Robotics. (5CF).

2012/2013 Control and models of biological systems (5 CF), Undergraduate curriculum of Biomedical Engineering. School of Engineering University of Genoa. Instructor of module on Controls.

2011/2012 Control and models of biological systems (5 CF), Undergraduate curriculum of Biomedical Engineering. School of Engineering University of Genoa. Instructor of module on Controls.

Attività didattica e di ricerca nell'alta formazione

Supervisione di dottorandi, specializzandi, assegnisti

PhD students advisor:

2017-present Fabio Rizzoglio (co-advisor FA Mussalvaldi) -Unige

2017-present Elisa Galofaro -Unige

2016-present Serena Ricci (co-advisors G. Arnulfo, MF Girardi) -Unige

2015-present Iandolo Riccardo (co-advisor M. Inglese) -Unige

2014-2017 Laura Pellegrino (co-advisor M. Coscia)-Unige

2013-2016 Alice De Luca -Unige

2013-2016 Camilla Pierella (co-advisor FA Mussalvaldi) -Unige

Participant PhD advisor commette:

2017-present Valay Shah - Marquette Univestity

Supervision of the foreign PhD students:

- Valay Shah visiting PhD student from Marquette Univestity (september 2017-august 2018)

- Julie Wagner visiting PhD student Marquette Univestity (september 2017-august 2018)

Research fellow advisor(assegnista di ricerca)

2017 Laura Pellegrino (post-doc)

2014 Riccardo Iandolo (pre-doc)

Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero

2013- present

Partecipazione Collegio Docenti del Dottorato 'BIOINGEGNERIA E ROBOTICA - BIOENGINEERING AND ROBOTICS'

2012 -2015

Partecipazione al Collegio Docenti del Dottorato 'BIOINGEGNERIA'

Interessi di ricerca

Interessi di ricerca:

- Interfacce corpo-macchina
- Controllo neurale dei movimenti
- Riabilitazione neuromotoria
- Robotica
- Sensory enhancement and substitution

Incarichi all'estero

2008-2011 Visiting scholar (9/2008-12/2011)-Postdoctoral fellow (3/2009-9/2011)

- Northwestern University, Feinberg School of Medicine, Chicago, USA
Department of Physical Medicine and Rehabilitation (September 2008-February 2009)

Department of Physiology (March 2009-December 2011)

- Robotics Laboratory, Sensory Motor Performance Program, Rehabilitation Institute of Chicago,
Chicago, USA.

Dal 09-04-2012 a oggi - Adjunct Professor in the department of Physiology, Northwestern University, Chicago, USA

<http://www.feinberg.northwestern.edu/faculty-profiles/az/profile.html?xid=24779>

dal 19-06-2016 a oggi - Adjunct Associate Professor, Department of biomedical Engineering, Marquette University, Milwaukee, USA. I am part of the NeuroMotor Control Laboratory -

http://www.eng.mu.edu/scheidtr/Scheidt_MUCOE/People.html).