



Vittorio Sanguineti

Full professor

✉ vittorio.sanguineti@unige.it

☎ +39 010 353 6487

📱 +39 329 210 4393

Education and training

1994

PhD in Robotics

Self-organization and Motor Control

University of Genoa - Genoa - IT

1989

Laurea (Master's) degree in Electronic Engineering

Summa cum laude

University of Genoa - Genoa - IT

Academic experience

2019 - ONGOING

Full Professor of Bioengineering

Università di Genova - Genova - IT

2005 - 2019

Associate Professor of Bioengineering

University of Genoa - Genoa - IT

Teaching Motor control and human performance assessment Analysis of biomedical data and signals. Research neural control of movements interactive technologies for assessment and therapy robotics for rehabilitation clinical trials in the rehabilitation domain.

1998 - 2005

Assistant Professor of Bioengineering

University of Genoa - Genoa - IT

Teaching Computer Programming Biomedical signal processing Rehabilitation engineering. Research neural control of movement computational neuroscience neural interfaces

1999 - 2001

Visiting Scholar

Dept. Physiology Northwestern University Medical School - Chicago - US

Research Neuro-robotic system for the study of motor learning in vertebrates

1997 - 1998

Post-doctoral fellow

Dept. Physiology Northwestern University Medical School - Chicago - US
Research Neurophysiology of motor learning in vertebrates (supervisor FA Mussa Ivaldi)

1996

Post-doctoral fellow

Dept Psychology McGill University - Montreal - CA
Research Neural control of upper limb and oral cavity (supervisor DJ Ostry)

1995 - 1996

Post-doctoral fellow

Institut National Polytechnique de Grenoble - Grenoble - FR
Research Biomechanics and neural control of tongue in speech (supervisor R. Laboissière)

1995 - 1997

Post-doctoral fellow

Dept. Informatics Systems and Telematics University of Genoa - Genoa - IT
Research Geometric and Computational Aspects of Motor Control

2009 - 2012

Team Leader

Fondazione Istituto Italiano di Tecnologia (IIT) - Genoa - IT
Research on the use of robots and BCI to facilitate motor skill learning and neuromotor rehabilitation. Scientific coordinator of a EU-funded project (HUMOUR) involving a joint research team (University of Genoa IIT)

Work experience

2017 - ONGOING

Head of Technical-Scientific Committee

Regional Innovation and Research Hub for the Life Sciences - Genoa - IT
Promotion assessment of technology transfer and networking activities in the field of Health and Life Sciences

Language skills

English

Proficient

Cambridge CAE

French

Basic

Research interests

My main areas of research are neural control of movements and computational motor control; sensorimotor adaptation and motor learning; the mechanisms underlying physical interpersonal interaction; movement biomechanics; and mechatronic and interactive technologies for neuromotor rehabilitation.