



ANNA BUCCHIERI

PHD CANDIDATE

SKILLS & ABILITIES

Language: C#

Software: MATLAB, Simulink,
Simscape, Unity, PTC Creo,
PowerPoint

Social skills: team building, public
speaking

INFO

Genoa, 16142

Italy

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EDUCATION

ISTITUTO ITALIANO DI TECNOLOGIA (IIT), GENOA

01/05/2021 - PRESENT

PhD in Bioengineering at Politecnico di Milano (Milan, Italy) in
collaboration with Rehab Technologies Lab of IIT
(<https://www.iit.it/web/rehab-technologies-inail-iit-lab>).

Project: Integration of compliant control strategies and
Augmented Reality applications for upper-limb robotic
Rehabilitation.

*"Design of a Mixed Reality Environment for the extrapolation of
Reference Trajectories in Upper-Limb Rehabilitation"*, Bucchieri et
al., ICVR2022 (RehabWeek)

POLITECNICO DI MILANO, MILAN

15/09/2018 – 30/04/2021

Master of Science in Bioengineering, with a focus on Electronic
Technologies for Biomedical Applications.

The Master thesis was conducted at Istituto Italiano di
Tecnologia of Genova and goes with the title:

*"Analysis and optimization of Hannes prosthetic hand: a multi-
body approach."*

Publications:

*"A Multi-Body Model of an upper-limb prosthesis for grip force
estimation and related object interaction application."* Bruni and
Bucchieri, et al. Biorob 2022 conference.

*"Object Stiffness Recognition Using Sensorless Hannes Prosthesis
and Vibratory Feedback: a Machine Learning Approach."*
Frontiers, currently under review.

PARTICIPATION AS SPEAKER

Lecture on Mixed Reality solutions for Rehabilitation; part of
GameAbility initiative - for making high school students aware of
issues on accessibility and inclusion by training them to design
games for people with disabilities (www.gameability.it).