

Eng. Andrea Baldoni, Ph.D.

MSc. Mechanical Engineer & Inventor

Education:

✚ Ph.D. in BioRobotics

The BioRobotics Institute of Scuola Superiore Sant'Anna di Pisa in Wearable Robotics Lab. – Head Prof. Nicola Vitiello

Thesis: Design & Development of Novel Wearable Robots

Date defence: 28/05/2019

Mark: 100/100 cum laude

✚ Eng. qualification

April 2013, qualification to practice the profession of Industrial Engineer (LM33). Member of the Italian *Albo degli Ingegneri* since 2023.

✚ MSc Mechanical Engineering (LM33)

Università degli Studi di Perugia – Laurea magistrale in ingegneria meccanica.

Thesis: Feasibility Study to develop a sail Suez-Max Tanker.

Date defence: 18/07/2013.

Mark: 102/110

✚ BSc Mechanical Engineering

Università degli Studi di Perugia – Laurea magistrale in ingegneria meccanica

Date defence: 18/07/2013

Mark: 96/110

Baldoni Engineering

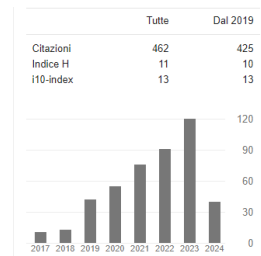
In 2023 I founded an engineering consultancy agency so call “**B-Eng**” (VAT number: 02479690501) with three main missions:

1. Service engineering & problem-solving activities
2. Fast-prototyping support
3. Intellectual property advising



Main personal indicators: [\(link to scholar profile\)](#)

- ✚ 19 patents families as (main) inventor for 57 total patents extensions;
- ✚ 20 exoskeletons/prosthesis actively designed, conceived, manufactured, assembled, and tested. Several test bench etc;
- ✚ 16 journals papers;
- ✚ 11 book chapters and/or conference papers;
- ✚ 24 involvements in private, national and/or international projects;
- ✚ H-Index from 2019: 10.



Main current commitments:

✚ Post-Doc @The BioRobotics Institute in Wearable Robotics Laboratory – Head: Prof. Nicola Vitiello, Dr. Simona Crea & Dr. Emilio Trigili

I lead the hardware R&D sub-team of the Laboratory which has designed and conceived many prototypes and complex mechatronic devices (e.g., exoskeletons, prostheses, and hybrid technology) with outstanding results (e.g. patents, papers, very promising feedback from users).

I take care of most of the Intellectual Property (IP) management of the WR Lab (i.e., patent applications), certification processes, and much of the micro-management of the whole Team (i.e.: orders, budget, facilities, etc.)



With some colleagues of mine we founded **IUVO S.r.l.** in 2016. Nowadays controlled by a joint venture between COMAU and OSSUR.



✚ Industrial Property Advisor @Transfer Technology Office of Scuola Superiore Sant'Anna – Head: Prof. Marco Frey & Dr. Annarosa Mezzasalma

As a knowledge transfer office manager, I deal with (i) the management of the SSSA's patent portfolio and all intellectual property at large, concentrating the effort on the new promising ideas; (ii) the establishment of new spin-offs; (iii) management of relationships between spin-offs, University, and networking; (iv) enhancement of patents and know-how; (v) supports the projects who the TT Office is involved in; (vi) reporting; etc.

