

Marco Silvestri, researcher and professor

PERSONAL INFORMATION

Name
Address
Telephone
E-mail
Nationality
Date of birth

SILVESTRI, MARCO

WORK EXPERIENCE

- From October 2002 to present
- Name and address of employer
- Type of business or sector
- Occupation or position held
 - Main activities and responsibilities

Università degli Studi di Parma,
Parco Area delle Scienze 181/A, 43124, Parma, Italy
Academia

Senior Researcher and Aggregate Professor

Scientific manager of research projects on pharmaceutical and food packaging machinery, both with equipment manufacturers (GEA Procomac, G.F. Industries, Bonfiglioli Engineering...) and with equipment end-user (GlaxoSmithKline, BBraun).
The most relevant R&D projects include:

- microleakage controls for pharmaceutical bags
- quality control of glass ampoules for parenteral products
- liquid mass flow dosing systems for parenteral products
- additive manufacturing of hydrogel medical devices
- quality control for needle-catheter assembly

Lecturing, over the years, on *Industrial Measurements and Instruments* (BSc Mech Eng), *Mechatronics* (MSc Mech Eng), *Packaging Machines for Food Industry* (MSc Mech Eng) and *Industrial Automation* (MSc Ind Eng).

Member of the Italian GAMP Forum, writing User Requirement Specification templates and guideline for pharmaceutical Equipment manufacturers.

Scientific manager of the postgraduate course on "*Automated machines for Life Sciences Industries*".

Supervisor of MSc thesis. Member of the Faculty Board of the PhD School in Industrial Engineering and doctoral supervisor of 5 PhD students.

- From November 2011 to present
- Name and address of employer
- Type of business or sector
- Occupation or position held
 - Main activities and responsibilities

SUPSI – University of Applied Sciences and Arts of Southern Switzerland
Via Cantonale 2C, CH-6928 Manno, Switzerland

Academia

Docent-Researcher

Researching and managing in EU and KTI funded projects on Automated and Intelligent Manufacturing Systems.

The last project I coordinated had an overall budget of 2.5M of CHF and I was responsible for my institution budget (720k CHF).

Lecturing on *Design of Machines and Equipment for Pharmaceutical Production Plant* (BSc Ind Eng), *Automated Manufacturing Systems* (BSc Ind Eng), *Mechatronics for Production and Logistics* (MSE).

Supervisor of MSc thesis.

<ul style="list-style-type: none"> • From October 2016 to present 	
• Name and address of employer	M3datek srl Parco Area delle Scienze 27/A, 43124, Parma, Italy
• Type of business or sector	Medical devices
• Occupation or position held	<i>Co-founder and CTO</i>
<ul style="list-style-type: none"> • Main activities and responsibilities 	Establishing, on the company engineering side, the technical vision and lead all aspects of technology development, partnerships, external relationships as well as building and managing the development team.
<ul style="list-style-type: none"> • From February 2002 to September 2005 	
• Name and address of employer	Vicivision s.r.l. 1, via Corradini, 43036, Fidenza (PR), Italy
• Type of business or sector	Automated machines using vision systems for measuring and quality control applied to precision manufacturing of medical devices and pharmaceutical ampoules.
• Occupation or position held	Project manager
<ul style="list-style-type: none"> • Main activities and responsibilities 	Designing the vision system (hardware, software, interface with PLCs) Developing bespoke software in C++ Managing customer and suppliers. Implementing GAMP life cycle and writing specifications and verification (IQ, OQ, PQ, PV) protocols / reports After receiving an university tenure I continued my collaboration as a consultant for the implementation of GAMP in applications for pharmaceutical companies and medical devices manufacturer.
<ul style="list-style-type: none"> • From November 2000 to January 2002 	
• Name and address of employer	Tecnomec s.r.l. 346, via dell'industria, 41058 Vignola (MO), Italy
• Type of business or sector	Food-industry internal handling and automation.
• Occupation or position held	Head of research and development
<ul style="list-style-type: none"> • Main activities and responsibilities 	Developing automated equipment and control systems for meat industry. Head of the technical staff, including mechanical design.
EDUCATION AND TRAINING	
• Name and type of organisation providing education and training	Università degli Studi di Parma Parma, Italy
• Principal subjects/occupational skills covered	Mechanical Engineering with specialization in Industrial Automation Industrial automation and Robotics
• Title of qualification awarded	Laurea Degree (5 years, equivalent to MSc) in Mechanical Engineering
PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	
• Reading, writing and verbal skills	ENGLISH UPPER INTERMEDIATE (B2)
• Reading, writing and verbal skills	FRENCH BASIC (A2)