



**Simone VALENTI**  
**Electronic Engineer – Ph.D. Student in ICT**

## PROFILE

### PERSONAL DETAILS

- Date of birth: 31/08/1995
- Place of birth: Erice (TP)
- Nationality: Italian
- Tel. +39-3890379269
- Email [simone.valenti@community.unipa.it](mailto:simone.valenti@community.unipa.it)

### KEY COMPETENCES

#### Professional profile

- Electronic design;
- Embedded systems programming;
- Conditioning of physiological signals;
- Extraction of physiological indices;
- Knowledge of the most common programming languages;
- Co-supervisor of bachelor's and master's theses.

#### Languages

- Italian (Mother tongue)
- English (B2)
- French (A2)
- Spanish (A2)

## EDUCATION

### STUDIES

- **Bachelor's degree in Electronic Engineering**  
*Università degli Studi di Palermo (27/07/2018);*
- **Master degree in Electronic Engineering**  
*Università degli Studi di Palermo (30/07/2020);*  
*Graduation Mark : 110L/110.*
- **Qualification to practice the profession of Engineer**  
*Università degli Studi di Palermo (17/01/2022).*
- **Ph.D. XXXVI Cycle in Information and Communication Technologies**  
Settore scientifico disciplinare : ING-INF 01, ING-INF 06.  
*Università degli Studi di Palermo & Fondazione RI.MED – From 03/2021-NOW.*

### CERTIFICATIONS/COURSES

- **ECDL**
- **FCE Certificate of English (B2)**  
*Cambridge University*
- **English Certification (B2)**  
*Università degli Studi di Palermo*  
*Master Degree delivered in English*
- **Spanish Certification (B1)**  
*Università degli Studi di Palermo*
- **Stabulari Training (ATEN Center)**  
*Università degli Studi di Palermo – 11/2021.*

### PUBBLICATIONS

- **S.Valenti**, V. Benfante, S. Puccio, R. Laudicella, W. Arancio, C. Coronello, A. Comelli, "Artificial intelligence and radiomics applications: a multidisciplinary report with different imaging approaches". In 2021 Ri.MED Research Retreat. Palermo, Italy, December 17, 2021. [Accepted]
- G. Volpes, **S. Valenti**, A. Parisi, A. Busacca, L. Faes, R. Pernice, "Low-invasive multisensor real-time acquisition system for the assessment of cardiorespiratory and skin conductance parameters". In 21st IEEE Mediterr. Electrotech. Conf. MELECON 2022. Palermo, Italy, June 14-16, 2022. [Accepted]
- **S. Valenti**, G. Volpes, A. Parisi, R. Pernice, S. Stivala, L. Faes, A. Busacca, "A silicon photomultiplier-based analog front end for DC component rejection and pulse wave recording in photoplethysmographic applications". In 17th IEEE Medical Measurement and Applications Conf. MEMEA 2022. Giardini Naxos – Taormina, Messina, Italy, June 22-24, 2022. [Accepted]
- G. Volpes, L. Sparacino, **S. Valenti**, A. Parisi, A. Busacca, L. Faes, R. Pernice, "A portable multisensor system to assess cardiorespiratory interactions through photoplethysmography". In 17th IEEE Medical Measurement and Applications Conf. MEMEA 2022. Giardini Naxos – Taormina, Messina, Italy, June 22-24, 2022. [Accepted]
- **S. Valenti** et al. "Assessing high-order interdependencies in intrinsic component network of R-fMRI acquisition from static O-Information". In 21st International conference on Image Analysis and Processing ICIAP 2021. Lecce, Italy, May 23-27, 2022. [Accepted]