

CURRICULUM VITAE



FABIO RISCICA

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EDUCATION

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| 2011 | Ph.D. Computers and Electronics - Bioengineering.
University of Trieste, Italy. Thesis: Online characterization of HFPV. |
| 2008 | Master of Clinical Engineering. University of Trieste, Italy. |
| 1992 | B. Eng. Computers and Electronics. University of Roma "La Sapienza", Italy. |

CONFERENCE CONTRIBUTIONS

1. Riscica F, Lucangelo U, Accardo A. Development of an innovative instrument for the online characterization of high-frequency percussive ventilators. Proceed. of World Congress 2009 of Medical Physics and Biomedical Engineers, Munich, September 7-12, 2009, pp.480-483.
2. Riscica F, Lucangelo U, Accardo A. Development of an innovative instrument for the online characterization of high-frequency percussive ventilators. Atti del Congresso Nazionale di Bioingegneria 2010, Torino, Luglio 9-10, 2010, pp.141-142.

INTERNATIONAL PUBLICATIONS

1. Riscica F, Lucangelo U, Accardo A. A portable instrument for the volume measurement of high-frequency percussive ventilators. Biomedical Sciences Instrumentation 2010;46:93-98.
2. Lucangelo U, Accardo A, Bernardi A, Ferluga M, Borelli M, Antonaglia V, Riscica F, Zin WA. Gas distribution in a two-compartment model ventilated in high-frequency percussive and pressure-controlled modes. Intensive Care Med. 2010; 36:2125-2131.
3. Riscica F, Lucangelo U, Ferluga M, Accardo A. In-vitro measurements of respiratory mechanics during HFPV using a mechanical lung model. Physiological Measurement 2011; 32:637-648.

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NATIONAL PUBLICATIONS

1. Riscica F. Serratura a chip card. Elettronica IN 2005:101.
2. Riscica F. Programmable Logic Controller con PIC. Elettronica IN 2006:108.
3. Riscica F. Corso smartcard – quinta parte. Elettronica IN 2006:112.
4. Riscica F. Corso smartcard – sesta parte. Elettronica IN 2006:113.
5. Riscica F. Corso smartcard – settima parte. Elettronica IN 2007:114.
6. Riscica F. Lettore/scrittore per smartcard ACOS2. Elettronica IN 2007:118.
7. Riscica F. I sistemi robotici Lego Mindstorms – Introduzione al sistema. Fare Elettronica 2007:265-266.
8. Riscica F. I sistemi robotici Lego Mindstorms – La programmazione in NQC (prima parte). Fare Elettronica 2007:267.
9. Riscica F. I sistemi robotici Lego Mindstorms – La programmazione in NQC (seconda parte). Fare Elettronica 2007:268.
10. Riscica F. I sistemi robotici Lego Mindstorms – Uso dei sensori. Fare Elettronica 2007:270.
11. Riscica F. I sistemi robotici Lego Mindstorms – una competizione per i Lego Mindstorms. Fare Elettronica 2008:271.
12. Riscica F. Riconoscitore di colori con Speech Processor. Elettronica IN 2008:128.
13. Riscica F. Corso CUBLOC – prima parte. Elettronica IN 2008:129.
14. Riscica F. Corso CUBLOC – seconda parte. Elettronica IN 2008:130.
15. Riscica F. Corso CUBLOC – terza parte. Elettronica IN 2008:131.
16. Riscica F. Irrigatore con CUBLOC. Elettronica IN 2008:132.

CERTIFICATIONS

2009	Microchip Authorized Design Partner.
2009	Ingenico Telium POS Terminals Software Developer.
2006	Microsoft Office Specialist Master Instructor. ECDL CAD Examiner.
2005	Ingenico Unicapt 32 POS Terminals Software Developer.
2004	Registration as Professional Engineer.
1994	Siemens STEP 5 PLC and SINUMERIK CNC Software Developer.

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AWARDS

2014	Siemens Automation Olympiad. Project Selection "Electronic nose for detection of explosives". 1700 Euro prize. Milano, Italy.
2013	Omron Smart Project PLC Competition. Project Selection "Vending Machine". Roma, Italy.
2011	Element 14 Medical Design Award. Third prize. Milano, Italy.
2010	Exhibition of the electronic device "Instrument for the online characterization of high-frequency percussive ventilators". Trade Fair Electronica, Microchip stand. Monaco, Germany.
2008	Phoenix Contact Xplore Competition. Project Selection "Zigbee Communication Module for Interbus". 3000 Euro prize. Blomberg, Germany.
2005	Phoenix Contact Xplore Competition. Project Selection "Smartcard Authentification Module for Interbus". 3000 Euro prize. Blomberg, Germany.

EMPLOYEMENT HISTORY

- 1998, present Engineering consulting services. ELETTRONNOVA. Frosinone, Italy.
- 1998, present Teacher in higher education of Electronic Systems. Ferentino, Italy.
- 1998 - 1993 Electronic Software and Hardware designer. BITRON SPA. Alatri, Italy.

PATENTS

- SMARTSHIELD Arduino (www.elettroinnova.it).

SKILLS

- Microprocessor and Microcontroller electronic devices design expert (Z80, 8086, 8051, PIC).
- PCB design (ORCAD, EAGLE).
- Firmware design (MASM, MPLAB, IAR C, C18).
- LABVIEW, LABWINDOWS/CVI and ANSI C programming expert.
- PLC programming expert (SIEMENS, OMRON).
- POS terminals programming expert (INGENICO TELIUM, UNICAPT 32).
- Smartcards and cryptographic technology expert.
- English level CEF B1.1.
- Portuguese level DEPLE.