



Curriculum Vitae et Studiorum

Alessandro Borri

PhD, Electrical and Information Engineering, 2011

MSc, Computer and Control Systems Engineering, 2007

BSc, Computer and Control Systems Engineering, 2004

Main affiliation

Institute for Systems Analysis and Computer Science (IASI) “Antonio Ruberti”
Italian National Research Council (CNR)

Work Address :

CNR-IASI Biomathematics Laboratory (BioMatLab)

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Research Experience and Education

- **April 2012 – present**
Technician at IASI-CNR, Rome, Italy.
Main research topics: Mathematic modeling in pathophysiology, Systems Biology, Symbolic networked/decentralized embedded control, Filtering
- **March 2011 – January 2012**
Post-doctoral Researcher in Electrical and Information Engineering, University of L’Aquila, Italy. Research topic: Formal methods for analysis and control of networked systems
- **2007-2011**
PhD in Electrical and Information Engineering, University of L’Aquila, Italy.
Thesis: *Hybrid Control of Cyber-Physical Systems*. Grade: *Excellent*
- **2001-2007**
Bachelor of Engineering and Master of Engineering in Control Systems and Computer Science, Department of Electrical and Information Engineering, University of L’Aquila, Italy.
Full marks (110/110 *magna cum laude*)

Visiting Positions

- **November 2nd, 2011 – January 31st, 2012**
Visiting Researcher at the Royal Institute of Technology (KTH), Stockholm (Sweden)
- **September 15th, 2009 – June 15th, 2010**
Visiting Research Scholar at the University of California, Santa Barbara (USA)
- **April 13th – 26th, 2009, November 7th – December 15th, 2008**
Short time visitor at the University of California, Berkeley (USA)
- **December 18th, 2006 – June 22nd, 2007**
Internship at the Ford European Research Center, Aachen (Germany)

European Projects

- EU FP7 NoE **HYCON2**: Highly-complex and networked control systems (with University of L'Aquila, Italy)
- EU FP7 **EDEN**: End-user driven demo for CBRNE (with Catholic University of the Sacred Heart, Rome, Italy).
- EU FP7 **PULSE**: Platform for European medical support during major emergencies (with Catholic University of the Sacred Heart, Rome, Italy).
- EU FP7 **IMPRESS**: Improving Preparedness and Response of Health Services in Major Crises (with CNR-IASI, Rome, Italy).
- EU FP7 **COMMODITY12**: Continuous Multi-parametric and Multi-layered analysis Of Diabetes TYpe 1 & 2 (with CNR-IASI, Rome, Italy).

Scientific, Professional and Editorial Activities

- Author of over 40 peer-reviewed international publications.
- Member of **IEEE** (Institute of Electrical and Electronics Engineers), **IEEE Control Systems Society**, **IEEE Young Professionals** and **IEEE Life Sciences Community**.
- Reviewer for IEEE journals and conferences, 2008-present.
- **Professional degree** in Information Engineering, 2007.
- Member of the HSCC 2016 Repeatability Evaluation Committee (REC) for the 19th ACM International Conference on Hybrid Systems: Computation and Control (HSCC 2016), Vienna, Austria, April 2016.
- Member of the Technical Program Committee for the 5th International Workshop on Wireless Sensor, Actuator and Robot Networks (WiSARN 2012-Spring), Hangzhou, China, May 2012.

Teaching Experience

- Adjunct Professor, course of **Modeling and Simulation**, University of L'Aquila, 2017.
- **SIDRA Summer School 2017 – Formal Methods for the Control of Large-scale Networked Nonlinear Systems with Logic Specifications** (with Prof. M.D. Di Benedetto, Prof. G. Pola and Prof. P. Pepe) - Bertinoro (FC), Italy, July 2017.
- Lecturer of the course **Systems Biology: an Introduction** (with P. Palumbo), held at IASI-CNR, Rome, Italy, March 2014.
- Teaching assistant in Automatic Control, University of L'Aquila, 2008-2016.

Grants

- POF-SE-Abruzzo Scholarship for research abroad, 2011.
- PORAbruzzo Scholarship for research abroad, 2010.
- **URI** (International Relations Office) Scholarship, 2008.