

Francesco Liberati

Curriculum Vitae ai fini della pubblicazione

Personal Information

Name Francesco Liberati
Nationality Italian

Education

Intr. Project Management Uni. of California – Coursera (Sept. 2015)	<i>Grade 100/100.</i> Topics: process groups (initiate, plan, execute, monitor and control, close), planning & scheduling, stakeholder analysis, WBS, risk management, track and control the project, closing the project.
Intr. Operations Management Wharton School – Coursera (June - Jul 2015)	<i>Grade 100/100.</i> Topics: supply process, reducing labor costs, operations and finance, flow interruptions and variability, quality management, statistical process control, lean operations, Toyota production system).
Ph.D. Systems Eng. Sapienza University of Rome (March 2015)	Research in the field of systems theory, smart grids, critical infrastructures protection, finance; teaching; drafting of scientific papers; participation in international conferences; supervision of students; work in several EU FP7-H2020 research projects; attending to business meetings and conferences.
MS Systems Eng. Sapienza University of Rome (October 2011)	<i>12 exams, average mark 30/30, final mark of 110 summa cum laude.</i> Topics: systems theory, advanced analysis, automatic control, industrial automation, process and network control. Thesis: "Gestione della domanda in reti elettriche intelligenti tramite controllo del carico, dispositivi di accumulo d'energia e generazione distribuita in utenze residenziali".
BS Automatic Control Eng. Sapienza University of Rome (November 2009)	<i>32 exams, average mark 29/30, final mark of 110 magna cum laude.</i> Topics: mathematics, physics, geometry, chemistry, systems theory, automatic control, informatics. Thesis: "Un approccio basato sulle reti di Bayes per l'analisi delle interdipendenze tra le infrastrutture critiche".

Languages

Italian (mother tongue), **English** (advanced professional proficiency), **Spanish** (basic/medium writing and speaking, medium/advanced listening and reading)

Technical competencies

- Extensive knowledge of the Microsoft Office suite, UML, PERT, Gantt, WBS diagrams; knowledge of the main programming languages (Java, C++, Julia, etc.); SOA architectures, AWS.
- Extensive knowledge of project management techniques.

Teaching

- **Sapienza Univ. of Rome** - Lessons of the courses *Control of Communication and Energy Networks* (2014), *Automatic control* (2015/2014), *Automation* (2013/2012), *Technologies for automation* (2012), *Network Management and Handling* (2012-).
- **eCampus Univ.** – owner of courses "*Advanced Control Systems*" (2015), "*Analysis and Modelling*" (2015).

Work Experience

Research Eng. & Project Manager at CRAT (Feb. 2010, ongoing)	CRAT - Consortium for Research in Automation and Telecommunication. Description: working/worked in FP7/H2020 European projects, dealing with (i) proposals drafting; (ii) project negotiation; (iii) project planning, execution, technical/financial reporting, intermediate/final review, closing. List of projects: <ul style="list-style-type: none">• ChargeAdvisor (www.incense-accelerator.com/, INCENSE acceleration grant). Smart PEV charging.• BONVOYAGE (http://bonvoyage2020.eu, H2020 Research Program). Smart transportation networks.• TNOVA (http://www.t-nova.eu, FP7 Research Program). Network Service Virtualization.• SWIPE (http://swipe.tekever.com, FP7). Data fusion for planetary exploration.• MOBINCITY (http://www.mobincity.eu, FP7). Smart grids (electromobility).• CockpitCI (http://www.cockpitci.eu, FP7). Critical Infrastructure Protection from cyberattacks.• MICIE (http://www.micie.eu, FP7). Critical Infrastructure Protection.
Researcher, Control Eng. eCampus University (May 2015, ongoing)	Holder of courses <i>Advanced Control Systems</i> (MS Industrial Eng.), <i>Systems Analysis and Modelling</i> (MS Management Eng.); research activities focused on Smart Grids and advanced topics in ICT.
Project Eng. at Ares2T (Jan. 2015 – April 2015)	Responsible for the design and development of an intelligent navigation system commissioned by the JRC (https://ec.europa.eu/jrc/).

<p>Research Eng. at Sapienza University (Dec. 2011 – Dec. 2014)</p> <p>Other regular professional activities</p>	<p>SmartV2G FP7 European project (http://www.smartv2g.eu/). Duties: internal coordination, execution, reporting at final review meeting; drafting of deliverables.</p> <ul style="list-style-type: none"> • Networking with EU companies and research centres. • Drafting of proposals (~20) for international (FP7 and H2020 programs) and Italian (MIUR/CINECA) research projects. Definition of proposals' technical contents, effort allocation and budgeting. • Participation in proposal, negotiation, technical and review project meetings. • Support to accounting activities and preparation to financial and technical audits. • Referee activity for international scientific journals and conferences, supervision of students.
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Research

Publications	27 publications (int. journals, books and conference proceedings)
Conference talks	Talks (~10) at the international conferences MED11, MED12, MED13, MED14, CDC13 and AHS-NASA/ESA14

Professional Organizations

- Accredited Industrial Eng. (Roma, SEZIONE A, Settore "b industriale").
- Member of the Institute of Electrical and Electronics Engineers (IEEE).

Hobbies & Interests

Art, reading, competitive running, traveling, trading

Driving licence

B

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Signed - Francesco Liberati
Rome, 28/04/2016