

Francesco Liberati

Curriculum Vitae

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)

Communication skills

Inclination to team working, effective communication, proactive and critical thinking, developed in teaching activities and five years' experience in European research projects. Ability to work both in autonomy and plan/coordinate team's activities and interactions with projects' partners.

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).
- **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">• 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.
INCENSE acceleration program (June 2015, ongoing)	Co-winner of the INCENSE acceleration grant (http://www.incense-accelerator.com/), awarded by Enel, Endesa, Accelerace and FundingBox. The proposed project deals with the acceleration to market of e-mobility products. Duties: e-mobility products design, business plan drafting, market analysis, contacts with potential customers.

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)	Design and development of an intelligent navigation system commissioned by the JRC (https://ec.europa.eu/jrc/).
Research Eng. at Sapienza University (Dec. 2011 – Dec. 2014)	SmartV2G FP7 European project (http://www.smartv2g.eu/). <i>Duties:</i> internal coordination, execution, reporting at final review meeting; drafting of deliverables.
Other regular professional activities	<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 across Europe (~25 official meetings). • Support to accounting activities and preparation to financial and technical audits. • Referee activity for international scientific journals and conferences, supervision of students.

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

Driving licence

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Il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dal D. Lgs. 196/2003.

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Francesco Liberati