

PhD in Complex Systems Engineering and licence to practice as Civil Engineer since 2016. I am currently working as Team Leader in the Custom Engineering area and Manager in the R&D Department of an engineering company focused on safety and security. During my professional life, I have been involved in regional, national and European research projects in the field of sustainability and digital transformation. Moreover, I have been a teaching assistant at the University of Salento and for international master programs as well as a supervisor of several theses.

COMPUTER SKILLS AND COMPETENCES

Operating systems	Mac OS X and Microsoft Windows
Productivity suite	Microsoft Office and Open Office
Programming, scripting and mark up languages	LateX/TeX, Matlab, basic knowledge of FORTRAN, R (ongoing training)
Software for Fire and Evacuation simulation	FDS+Evac, Pyrosim, Pathfinder
Software for Structural analysis and design	SAP2000
Computer-Aided Design	Sketchup, Archicad, Autocad, Revit
Process Modelling tools	Signavio, Draw.io (BPMN language)
Life cycle assessment (LCA)	Simapro

WORK EXPERIENCE

Today September 2025	Safety Engineer, CERN, Meyrin, Switzerland <ul style="list-style-type: none">> General safety design for the Future Circular Collider (FCC) project.
July 2025 May 2023	Team Leader of the Custom Engineering area, GAE ENGINEERING, Turin, Italy <ul style="list-style-type: none">> Management of the team and its activities> Forensic engineering> fire safety design of complex projects> crowd analysis and management during public and private events
Today March 2021	R&D Manager, GAE ENGINEERING, Turin, Italy <ul style="list-style-type: none">> Risk Assessment for workers safety (façade maintenance of UnipolSai Tower, Milan) and for Event Safety (Eurovision song contest, Turin); Risk Assessment and definition of Safety and Security strategy (Einstein Telescope, Sardinia, ongoing project).> Market analysis on robotic technologies for maintenance of tall buildings' façade.> Comparative analysis of Water Mist and Sprinkler technologies for Corso Como Place Tower, Milan (performance and cost-benefit analysis).> Collaborator in a national project aiming at the digitalization of the Italian fire code (Fire Digital Check project).> Support for technical consultancy as party-appointed expert in crowd management (Piazza San Carlo stampede, 2017) and fire safety (Fiumicino airport fire, 2015; Corso Ferrucci 112 fire, 2021).> Life Cycle Assessment of PE and TE Energy Harvesting technology in the FAST SMART H2020 Project. Support to Dissemination and communication management within FAST SMART.> European project proposals writing and coordination.> Technical coordination secretariat of a scientific section in the national magazine Antincendio.> Other activities : writing of scientific papers, presentations at international conferences, theses supervisor, teaching assistant.

February 2021 November 2019	Research fellow, UNIVERSITY OF SALENTO, Lecce, Italy <ul style="list-style-type: none"> ➤ Collaboration for the design and development of technological solutions for a public administration, regional project BIM at ARCA. ➤ Communication management, regional project BIM at ARCA. ➤ Research activities on Product Life-cycle Management and Big Data, national project OK-INSAD. ➤ Collaborator in the national project "BIM for Rail LCA". ➤ Writing and Coordination of research projects about the digital transformation (regional, national and European projects). ➤ Academic activities : theses supervisor, writing of scientific papers, presentations at international conferences.
November 2019 November 2016	PhD Candidate, UNIVERSITY OF SALENTO, Lecce, Italy <ul style="list-style-type: none"> ➤ Research activities related to Fire Risk Assessment and Building Information Modeling. ➤ Writing of research projects about the digital transformation (regional, national and European projects). ➤ Academic activities : theses supervisor, writing of scientific papers, presentations at international conferences, teaching assistant.
October 2015 June 2015	Trainee Production Management, OFFICINA CREATIVA, Lecce, Italy <ul style="list-style-type: none"> ➤ Analysis of the company production processes. Definition of functional requirements for the development of a production management software and testing. ➤ Training of employees on the use of the software.
December 2014 September 2014	Trainee Project Management, 3F GROUP, Paris, France <ul style="list-style-type: none"> ➤ Project Manager Apprentice. 3F Group owns and manages more than 255000 social housing units. It is in charge of the design, construction, management and demolition of the built asset.

LANGUAGES

Italian	● ● ● ● ●
English	● ● ● ● ○
French	● ● ○ ○ ○

EDUCATION

2020	PhD in Complex System Engineering, thesis title : "Integrating statistics based Fire Risk Assessment with Building Lifecycle Management", University of Salento
2019	Visiting PhD student at Aalto University (Finland) -10 months- in the Fire Safety Engineering research group, Prof. Simo Hostikka
2016	Master Degree in Civil Engineering Laurea Magistralis - 110/110 magna cum laude, thesis title : Analysis and possible integration between Building Information Modeling (BIM) and Product Lifecycle Management (PLM) : the case study of a real estate company, University of Salento
2014	Winner of a scholarship - Erasmus Placement Program, internship at 3F Group, Paris, France
2011	Bachelor Degree in Civil Engineering - 108/110, thesis title : Microclimatic analysis of an urban area, University of Salento

TRAINING

2022	Corso Base di Specializzazione in Prevenzione Incendi, Università degli Studi di Ferrara
2022	RAM&PHM 4.0 : Advanced methods for Reliability, Availability, Maintainability, Prognostics and Health Management of industrial equipment, 31 hours course, Politecnico di Milano, Department of Energy
2022	Ongoing - Data Science Program : online courses (EdX platform), Prof. Rafael Irizarry, Harvard University
2021	Life Cycle Assessment and Life Cycle Costing, 2B Srl
2021	Blockchain and the city, Advanced Workshop, Clust-ER BUILD and National Council of Engineers
2019	Fire Dynamics and Simulation, Prof. Simo Hostikka, Aalto University
2020	BIM Manager Course, Iperboole
2019	BIM Operator Course, Iperboole
2018	Business Integrated Management, Prof. Angelo Corallo, University of Salento
2018	Data analysis, Dr. Julian Rautenberg, Bergische Universitaet Wuppertal, Germany
2017	Virtual Reality Summer School : “Immersive Presence, Augmented Visualization and Advanced Interaction”, Prof. Lucio De Paolis, University of Salento

PRIZE

2020	AiFOS Foundation prize for Best PhD Thesis on Safety
2020	CAE Conference Poster Award
2018	CAE Conference Poster Award

ACADEMIC ACTIVITIES

EDUCATIONAL ACTIVITIES

2016-2022

2023	Teaching assistant of a course on the risk analysis and management in the Fire Safety Engineering master Programme - University of Bolzano (Lecturer Fabio Dattilo)
2023	Teaching assistant of a course on the safety and security of tall buildings in the IUAV Master Programme on Tall Buildings (Lecturer Giuseppe Amaro)
2022	Teaching assistant of a course on the safety and security of tall buildings in the IUAV Master Programme on Tall Buildings (Lecturer Giuseppe Amaro)
2022	Teaching assistant for a lesson on fire safety in the SOS-School of Sustainability by Mario Cucinella Architects (Lecturer Giuseppe Amaro)
2017-2022	Advisor of 2 Master's Degree Thesis in Civil Engineering, 1 Master's Degree Thesis in Management Engineering, 1 Bachelor's degree thesis in Industrial Engineering. Currently industrial supervisor of 1 Master's Degree Thesis in Nuclear and Energy Engineering)
2017-2018	Tutor for the course of Business Integrated Management, University of Salento (Prof. Angelo Corallo)
2016-2018	Teaching assistant/Tutor for the course of Mechanics of Solids-Structural Mechanics, University of Salento (Prof. Giorgio Zavarise)
2016-2018	Teaching assistant/Tutor for the course of Mechanics of Solids and Structures II, University of Salento (Prof. Francesco Paolo Pinnola)

MEMBER OF ORGANIZATIONAL COMMITTEES FOR INTERNATIONAL EVENTS AND CONFERENCES

2015 - 2020

 GAMM 2015  ICCCM 2017  CMIS 2018  IADA 2020

FURTHER INFORMATION

Academic Membership	- AIMETA : fellow of the Italian Association of Theoretical and Applied Mechanics, from 2016. - AiIG : fellow of the Italian Association of Management Engineering, 2017-2018.
Professional Membership	- Italian Professional Engineer : member of the Order of Engineer of Brindisi, from 2016.

I authorize the processing of personal data contained in my curriculum vitae according to art. 13 D. Lgs. 196/2003 and art. 13 GDPR 679/16.

