

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

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WORK EXPERIENCE

- *Dates (from – to)* 2020-today
 - *Name and address of employer* Università degli Studi di Brescia –Dipartimento di Ingegneria Civile, Architettura, Territorio, Ambiente e di Matematica- via Branze 43, 25123 Brescia (Italy)
 - *Type of business or sector* Research and teaching
 - *Occupation or position held* **Full professor** – Academic Discipline 09B2 (INGIND17) “Industrial Systems Engineering”
 - *Main activities and responsibilities* Research activities in the following streams:
 - Logistics and Inventory Control
 - Lean Management
 - Supply Chain Management
 - Productive Systems: modelling, organization and control
 - Energy, Environment and Safety in Industrial PlantsTeaching activities (courses presently and recently taught (*)):
 - “Production Plant Design” (6 credits in the Industrial Engineering Bachelor)
 - “Maintenance and Energy Management” (6 credits in the Master of Industrial and Mechanical Engineering)
 - “Safety and Regulations in Biomedical Productions” (3 credits)
 - Further courses previously taught listed below
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- *Dates (from – to)* 2105 – 2019
 - *Name and address of employer* Università degli Studi di Brescia – Facoltà di Ingegneria
Dipartimento di Ingegneria Meccanica – Via Branze 38 – I 25123 – Brescia (Italy)
 - *Type of business or sector* Research and teaching
 - *Occupation or position held* Associate professor – National Scientific Sector INGIND17 “Industrial Systems Engineering”
 - *Main activities and responsibilities* Research activities as listed above
Teaching activities: courses of “Industrial Plants”, Laboratory of Industrial Plant Design”, “General Services of Industrial Plants”, “Environmental Compatibility of Industrial Plants”
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- *Dates (from – to)* 2005 – 2014
 - *Name and address of employer* Università degli Studi di Brescia – Facoltà di Ingegneria
Dipartimento di Ingegneria Meccanica – Via Branze 38 – I 25123 – Brescia (Italy)
 - *Type of business or sector* Research and teaching

- *Occupation or position held* Assistant professor – National Scientific Sector INGIND17 “Industrial Systems Engineering”
- *Main activities and responsibilities* Research activities as listed above
Teaching activities: courses of “Industrial Plants”, Laboratory of Industrial Plant Design”, “General Services of Industrial Plants”, “Environmental Compatibility of Industrial Plants”

- *Dates (from – to)* January 2002 – December 2004
- *Name and address of employer* Università degli Studi di Brescia – Facoltà di Ingegneria
Dipartimento di Ingegneria Meccanica – Via Branze 38 – I 25123 – Brescia (Italy)
- *Type of business or sector* Research
- *Occupation or position held* Research fellow– National Scientific Sectors INGIND17 “Mechanical Industrial Plants” – MAT09 “Operations Research”
- *Main activities and responsibilities* Research activities in the field of analytical and simulative modelling of production systems with project entitled: “Application of analytical model, heuristic and meta-heuristic methodologies to production planning”

- *Dates (from – to)* Since 2011 to now
- *Name and address of employer* Court of Brescia
- *Type of business or sector* Administration of Justice
- *Occupation or position held* Technical Consultant of the Court and Public Prosecutor in the field of Industrial Engineering
- *Main activities and responsibilities* Expert reports in the fields of:
 - Technical performance and/or economic evaluation of instrumental goods of companies (i.e., machines, inventories and industrial plants);
 - Industrial services of productive plants;
 - Environmental compatibility of productive systems.

EDUCATION AND TRAINING

- *Dates (from – to)* 2002 – 2004
- *Name and type of organisation providing education and training* Università degli Studi di Brescia
- *Principal subjects/occupational skills covered* Industrial Plants; Supply Chain Management
Title of the dissertation: “Models for closed-loop supply chain”
- *Title of qualification rewarded* Doctorate Degree in “Design and Management of Integrated Production-Logistics Systems”

- *Dates (from – to)* 1996 – 2001
- *Name and type of organisation providing education and training* Università degli Studi di Brescia
- *Principal subjects/occupational skills covered* Mechanical Technology; Industrial Plants; Machine Design;
Thesis title: “Layout design for production systems”
- *Title of qualification rewarded* Degree in Mechanical Engineering

- *Dates (from – to)* 1991 – 1996
- *Name and type of organisation providing education and training* Industrial Technical Institute “B. Castelli” of Brescia
- *Principal subjects/occupational skills covered* Mechanical Technology; Energy Systems; Machine Design; Metallurgy; Industrial Automation
- *Title of qualification rewarded* Higher School Diploma in Mechanics

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills
- Reading skills
- Writing skills
- Verbal skills

ENGLISH
Very good
Very good
Very good
GERMAN
Elementary
Elementary
Elementary

ORGANISATIONAL SKILLS AND COMPETENCES

COORDINATION/PARTICIPATION TO RESEARCH PROJECTS

Scientific responsibility for research projects, selected for funding based on calls that involved competitive peer review:

- MIUR PRIN 2003: Planning of e-purchasing and e-procurement systems for mechanical industrial plants (Participant)
- MIUR PRIN 2005: Safety, environment and logistics in design and management of WEEE (Participant)
- MIUR Interlink Project 2006: Supply Chain Sustainability: integration of the forward and reverse value chains (Participant)
- EU Project LIFE+ 2008: H-REII Heat Recovery in Energy Intensive Industries (Collaborator)
- EU Project CIP-EIP-Eco-Innovation-2012: COLDTAINER (Subcontractor-unit coordinator)
- EU Project JUST/2013: CFMnet- Towards European Caseflow Management development network – Identifying, developing and sharing best practices (Participant)
- Regione Lombardia POR FESR 2007-2013: SCUOLA, “Smart Campus as Urban Open Labs” (WP coordinator)
- MIUR PRIN 2012: DIEMS-SSP Disasters and emergencies management for safety and security in industrial plants (WP coordinator)
- SMART CITY MIUR 2016: Project “Smart Aging” (Departmental Scientific coordinator)
- SMART CITY MIUR 2015-2018: Project “Brescia Smart Living: Energy and integrated public services to deliver well-being” (Departmental Scientific coordinator)
- SMART CITY MIUR 2017-2019: Progetto “SWARM-net: Smart water resource management -network” (Departmental Scientific coordinator)
- EU HORIZON 2020 – Project ICCEE “Improving Cold Chain Energy Efficiency” (Project coordinator)

JOURNAL EDITORIAL FUNCTIONS

- area editor Logistics and Inventory Systems of COMPUTERS & INDUSTRIAL ENGINEERING,
- international subject editor of APPLIED MATHEMATICAL MODELLING
- associate editor of INTERNATIONAL JOURNAL OF SYSTEM SCIENCE
- topic editor of ENERGIES
- editorial board member of SUSTAINABILITY
- editorial board member of MODELLING
- editorial board member of SUSTAINABLE OPERATIONS AND COMPUTERS

RESEARCH GROUP COORDINATION

Scientific coordinator of Granted Researcher fellows at the Mechanical and Industrial Engineering Department of the University of Brescia (Italy)

- 2008: 12 months grant for project entitled: “Models for biomass energy supply chain”.
- 2010: 16 months grant for project entitled: “Models for energy production from renewable resources and energy efficiency interventions in industry.”
- 2012: 12 months grant for project entitled: “Models for anemological data analysis and techno-economic study of the wind energy production in mountain areas”
- 2013: 12 months grant for project entitled: “Development of operative methodologies for productive systems layout design and redesign based on Lean Production principles”
- 2013: 12 months grant for project entitled: “Eco-efficiency analysis of metal-scrap supply chains”
- Supervisor of more than 70 master/bachelor student thesis projects in Mechanical and

Industrial Engineering at the University of Brescia. Typical topics are supply chain management, reverse logistics, production planning and control, energy efficiency, project management, lean manufacturing, inventory management, services in industrial plants.

- Supervisor of 5 doctorate student in the PhD course “Planning and management of integrated logistic-productive systems” at the Mechanical Engineering Department of the University of Brescia

CONFERENCE ORGANIZATION AND SESSION CHAIR

- Organiser of the 8th International ISIR Summer School on Inventory Management, 30 July – 03 August 2007, Brescia, Italy.
- Organizer and Chair, Session on “Production and Inventory decisions with recycling, Stream: Lot-sizing and Scheduling, Economic Order Quantity” EURO XXIV - Lisbon 2010.
- Chair, Session on “General Production Economics” 14th International Working Seminar on Production Economics, February 20-24, 2006, Innsbruck, Austria.
- Chair, Session on “Risk Management” 15th International Working Seminar on Production Economics, March 4-7, 2008, Innsbruck, Austria.
- Chair, Session on “Mathematical Modelling ” 15th ISIR Symposium, August 22-26, 2008, Budapest, Hungary.
- Chair, Session on “General Production Economics” 16th International Working Seminar on Production Economics, March 1-5, 2010, Innsbruck, Austria.
- Chair, Session on “Service Logistics” 16th ISIR Symposium, August 23-27, 2010, Budapest, Hungary.
- Chair, Session on “Supplier Selection” 17th International Working Seminar on Production Economics, February 20-24, 2012, Innsbruck, Austria.
- Member of the International Scientific Committee of the APMS 2013 International Conference Sustainable Production and Service Supply Chains, September 9-12, 2013 State College PA (USA)
- Member of the International Scientific Committee of the Workshop Theory and Applications of Operations Research for Sustainability, Nov 2-3, 2015 - Barcelona, Spain.

ORGANISATIONAL ROLES AT THE UNIVERSITY OF BRESCIA:

- Since 2012: coordinator for the Industrial Engineering Area for International Mobility Programmes (such as Socrates and Erasmus EU projects);
- Since 2012: coordinator for the Industrial Engineering Area in the double degree project between the Faculty of Engineering of the University of Brescia and Georgia Tech of Atlanta (GATECH);
- 2009 – 2012: member of the Faculty Commission for the Admission Test (matriculation) at the courses of Engineering;
- 2006-2015: member of the scientific board for the doctorate course in “Design and management of integrated production logistics systems”.

ADDITIONAL TEACHING ACTIVITIES

Appointment as contract professor for the course “Purchasing and Supply Management” (5 ECTS), Master in Mechanical Industrial Engineering and Technologies, taught in English, at the Free University of Bozen, academic year 2018/19, 2019/20

Appointment as contract professor for the module “Fundamentals of Financial Analysis for Industrial Plants” (8 hours), Master in Industrial Plant Engineering and Technologies, taught in English, organized by University of Genova, academic year 2015, 2016, 2017, 2018, 2019, 2020

Courses taught in University Master Programmes

- Master of II level in “Production Planning and Supply Chain Management” (University of Brescia), editions 2003-2004-2005
- Master of I level in “Management of Small and Medium Enterprises” (Consortium University - Companies - Brescia), editions 2009-2010
- Master of II level in “Lean Production” (University of Trieste), editions 2010-2011;

Seminars at foreign Universities:

- Technical University of Lulea (Sweden),
- University of Magdeburg (Germany),
- Aarhus University (Denmark)
- Corvinus University of Budapest (Hungary)

CONSULTING ACTIVITIES

- 07/1998- 12/2001: Quality Manager for a Company active in the production of civil and industrial electrical systems
- Since 2002: Consulting activities in the area of Project Management, Quality Management, Enterprise Resource Planning, Operations Management, Lean Production, Six Sigma and Energy Efficiency auditing for a number of SMEs and major Italian companies.
- 2009: Technical Consultant for the municipalities of Castenedolo (BS), Calcinato (BS) and Mazzano (BS), regarding environmental compatibility of a waste management plant.
- Since 2012: Member of the technical-scientific commission "Italcementi" (leading Italian producer of cement), representing the municipality of Mazzano (BS-Italy)

TECHNICAL SKILLS AND COMPETENCES

Competence in the use/programming of the following software:

Software: MS OFFICE, MS ACCESS, MS PROJECT, MS VISIO, AUTOCAD.

Programming Software: Pascal, Delphi, Visual Basic

Mathematical Software: Minitab, MathCAD, Mathematica

Optimisation Software: MPL, Xpress

Simulation Software: Siman, Arena, Flexsim, Anylogic

Database: SQL

ERP: SAP

Avvalendosi della facoltà concessa dal DPR 445/2000, consapevole delle responsabilità e delle pene stabilite dalla legge per false attestazioni e mendaci dichiarazioni sotto la mia personale responsabilità dichiaro che i dati inseriti nel presente CV sono veritieri

Brescia, 22 September 2020

ATTESTAZIONE DI CONSENSO

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16.