



Name and address of employer	Scientific Data, Validation of Laboratory Methods) <b>Università degli Studi di Genova</b> <b>Dipartimento di Fisica</b> Via Dodecaneso, 33 – IT-16146 Genova, Italy
Type of business or sector	Public University
Dates	January 2022 – June 2022
Occupation or position held	Strategy Implementation Senior Officer
Main activities and responsibilities	Project Management, Industrial Liaison Office, and Technology Transfer, General and Scientific Communication
Name and address of employer	<b>Central European Research Infrastructure Consortium ERIC</b> S.S. 14, km 163,5 in Area Science Park 34149 Basovizza, Trieste, Italy
Type of business or sector	European Research Infrastructure Consortium (ERIC)
Dates	January 2014 – December 2018
Occupation or position held	General Coordinator
Main activities and responsibilities	General Management Head of Human Resources (April 2016 – January 2018)
Name and address of employer	<b>Eletra - Sincrotrone Trieste S.C.p.A.</b> S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste
Type of business or sector	Research Infrastructure
Dates	July 2008 – October 2018
Occupation or position held	Director
Main activities and responsibilities	General and Project Management
Name and address of employer	<b>Kyma Tehnologija d.o.o.</b> Kraška ulica 2, SI-6210 Sežana (Slovenija)
Type of business or sector	Private Company – Manufacturing of insertion devices for light sources (synchrotrons and free-electron lasers)
Dates	September 2007 – March 2019
Occupation or position held	CEO
Main activities and responsibilities	General and Project Management
Name and address of employer	<b>Kyma Srl</b> S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste
Type of business or sector	Private Company – Design and commercialization of insertion devices for light sources (synchrotrons and free-electron lasers)
Dates	July 2007 – December 2013
Occupation or position held	Coordination Group Industrial Liaison Office
Main activities and responsibilities	Organization and Management System Knowledge and Technology Transfer
Name and address of employer	<b>Eletra - Sincrotrone Trieste S.C.p.A.</b> <b>Eletra Synchrotron Light Laboratory</b> S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste
Type of business or sector	Research Institution
Dates	July 2003 - June 2007
Occupation or position held	Professional contract - Responsible of the Quality Assurance Department
Main activities and responsibilities	Development of the quality and integrated management system Accreditation of testing laboratories
Name and address of employer	<b>ARPAL – Agenzia Regionale per la Protezione dell’Ambiente Ligure</b> <b>(Agency for Environment Protection of the Liguria Region)</b> Via Bombrini, 8 – IT-16149 GENOVA

Type of business or sector	Public Regional Agency
Dates	1999 - 2012
Occupation or position held	Partner and CEO
Main activities and responsibilities	Management and field activities, customer relationship
Name and address of employer	<b>GESA Srl</b> - GEstione e Sistemi Avanzati per il controllo dei processi Via XX Settembre, 12/2G – IT-16121 GENOVA
Type of business or sector	Private Company – Management consulting and training services
Dates	1995 - 1999
Occupation or position held	Partner and Member of Board of Directors
Main activities and responsibilities	Management, design and manufacturing of power semiconductor devices
Name and address of employer	<b>S-CUBE Srl</b> – Solid State Switches Via Greto di Cornigliano, 6R – IT-16152 GENOVA
Type of business or sector	Design, realization and commercialization of power electronic devices
Dates	1994 - 2011
Occupation or position held	Partner and CEO
Main activities and responsibilities	Management and field activity, customer relationship
Name and address of employer	<b>Q-2000 Srl – QUANTA Consulting Srl</b> Via Greto di Cornigliano, 6R – IT-16152 GENOVA
Type of business or sector	Private Company – Consulting and training services on management and software systems
Dates	1990 - 2000
Occupation or position held	Partner and Director
Main activities and responsibilities	Management, design and development, customer relationship
Name and address of employer	<b>EBTech snc</b> - R&D in mechanical & electronic engineering Via Greto di Cornigliano, 6R – IT-16152 GENOVA
Type of business or sector	Private Company Design, realization, installation and commissioning of hardware and software systems for test and measurement, data acquisition, process control Application of electron irradiation of materials
Dates	1989 - 1999
Occupation or position held	Partner Technical director (1989-1992) President (1992-1993) Member of Board of Directors (1994-1999)
Main activities and responsibilities	Management, design and manufacturing, customer relationship
Name and address of employer	<b>IDEA Srl</b> – Innovative Devices, Equipment and Applications Via Val Lerone, 12 – IT-16011 ARENZANO (GE)
Type of business or sector	Private company Design, manufacturing and commercialization of equipment for power electronics and photovoltaic energy conversion
Dates	1975 - 1989
Occupation or position held	Responsible for research and development of power semiconductor devices (since 1982) Responsible for research and development of silicon sensors for high energy physics (since 1984) Responsible for research and development for the whole Semiconductor Department (since 1986)
Main activities and responsibilities	Research, development, manufacturing and applications of power semiconductor devices (diodes and thyistors), silicon solar cells, silicon detectors for high energy physics
Name and address of employer	<b>ANSALDO Spa – Semiconductor Department</b> Via Nicola Lorenzi, 8 – IT-16152 GENOVA
Type of business or sector	State company – Electromechanical sector Semiconductor department
<b>Education and training</b>	

Dates	March 2009
Title or qualification awarded	None
Principal subjects/occupational skills covered	<b>Lectures on Insertion Devices</b>
Name and type of organization providing education and training	Babcock Noell GmbH The Cockcroft Institute Accelerator Science and Technology Centre (ASTeC) @ Darersbury Laboratory
Dates	2003
Title or qualification awarded	<b>Auditor, Lead Auditor of information security management systems (ISO 19011)</b>
Principal subjects/occupational skills covered	Planning and implementation of audits on information security management systems (BS 7799)
Name and type of organization providing education and training	BSI – British Standard Institution
Dates	1999, 2002
Title or qualification awarded	<b>Auditor, Lead Auditor of quality management systems (ISO 19011)</b>
Principal subjects/occupational skills covered	Planning and implementation of audits on quality management systems (ISO 9001:1994, ISO 9001:2000)
Name and type of organization providing education and training	BSI – British Standard Institution / Rina Industry Srl
Dates	1995
Title or qualification awarded	None
Principal subjects/occupational skills covered	<b>Professional Selling Skills</b> Principles and techniques of professional selling of technological issues
Name and type of organization providing education and training	National Instruments Italy Srl
Dates	1979 - 1989
Title or qualification awarded	None
Principal subjects/occupational skills covered	<b>General Physics</b> <b>Solid State Physics</b>
Name and type of organization providing education and training	University of Genova Faculty of Mathematical, Physical and Natural Sciences Department of Physics
Dates	1978
Title or qualification awarded	None
Principal subjects/occupational skills covered	<b>Non-destructive evaluation of semiconductor devices</b>
Name and type of organization providing education and training	NATO Advanced Study Institute
Dates	1977
Title or qualification awarded	None
Principal subjects/occupational skills covered	<b>Physics and technology of semiconductor devices</b> <b>Summer School of CNR/GNSM</b>
Name and type of organization providing education and training	CNR/GNSM – Consiglio Nazionale delle Ricerche Gruppo Nazionale di Struttura della Materia
Dates	November 1977
Title or qualification awarded	<b>Professional qualification for the engineering profession</b>
Principal subjects/occupational skills covered	Electronic engineering Solid state electronic devices Solid state physics
Name and type of organization providing education and training	University of Genova

providing education and training Level in national or international classification	Faculty of Engineering Professional qualification: Electronic Engineer
Dates	November 1972 – July 1977
Title or qualification awarded	<b>Diploma of “Laurea” (5 years degree) in Electronic Engineering 110/110 Summa cum Laude</b>
Principal subjects/occupational skills covered	Electronic engineering Solid state electronic devices Solid state physics
Name and type of organization providing education and training	University of Genoa Faculty of Engineering
Level in national or international classification	“Dottore in Ingegneria Elettronica”

### Personal skills and competences

Mother tongue(s)	<b>Italian</b>
Other language(s)	
Self-assessment <i>European level (*)</i>	
<b>English</b>	
<b>French</b>	

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User
B2	Independent User	C1	Proficient User	B1	Independent User	B1	Independent User	A2	Basic User

Social skills and competences	<ul style="list-style-type: none"> <li>• Human resources management</li> <li>• Teamwork and coordination of workgroups</li> <li>• Coordination of improvement groups (“quality circles”)</li> <li>• Coordination of research groups for European research projects</li> <li>• Consultancy and expert support to organization top management</li> <li>• Auditing</li> <li>• Ability to adapt to multicultural environments</li> <li>• Academic and managerial teaching (6.000+ hours)</li> </ul>
Organisational skills and competences	<ul style="list-style-type: none"> <li>• General management of private companies and public bodies (administration and finance, legal issues, procurement, marketing and communication, infrastructures, ICT, human resources, etc.)</li> <li>• Program &amp; Project Management</li> <li>• Analysis and improvement of business processes</li> <li>• Planning and production techniques (total quality management, just-in-time, quality function deployment, lean manufacturing, business process re-engineering, etc.)</li> <li>• Implementation of certified management systems (ISO 9001, ISO/IEC 17025, ISO 14001, ISO/TS 16949, OHSAS 18001, ISO 27001, SA 8000, D.Lgs. 231/01, HACCP, etc.)</li> <li>• Auditing on management systems</li> <li>• Development and implementation of research/industry joint ventures</li> <li>• Knowledge and Technology transfer</li> <li>• Marketing &amp; sales</li> </ul>

Organisational skills and competences (specific issues)	European Spallation Source ERIC (Lund) 2019 Today <ul style="list-style-type: none"> <li>• Management of In-Kind Contributions</li> <li>• Knowledge and Technology Transfer</li> <li>• Liaison between research institutions and industry</li> <li>• BrightnESS<sup>2</sup> Project European Union Framework Programme for Research and Innovation Horizon 2020 – Grant Agreement 823867 Responsibility of Work Package 3 “Management of In-Kind Contributions”</li> </ul>
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	Elettra Sincrotrone Trieste S.C.p.A. (Trieste)	2007 2018	<ul style="list-style-type: none"> <li>• General management (General Coordinator)</li> <li>• Process analysis and procedure development</li> <li>• Liaison between research and industry</li> <li>• Knowledge and technology transfer</li> <li>• Public procurement</li> <li>• Management systems (ISO 9001, BS OHSAS 18001)</li> </ul>
	Kyma Srl (Trieste) Kyma Tehnologija d.o.o. (Sežana)	2007 2019	<ul style="list-style-type: none"> <li>• General management (CEO, Managing director)</li> <li>• Project management</li> <li>• Analysis, mapping, control and improvement of organizational and manufacturing processes</li> <li>• Marketing &amp; sales</li> <li>• Production planning and control</li> <li>• Customer relationship management</li> <li>• Management systems (ISO 9001, BS OHSAS 18001)</li> </ul>
	ARPAL (Genova)	2003 2007	<ul style="list-style-type: none"> <li>• Management of the Quality Assurance Department</li> <li>• Development and implementation of the quality management system</li> <li>• Analysis and improvement of organization processes</li> <li>• Preparation for quality system certification according to ISO9001:2000</li> <li>• Accreditation of testing laboratories according to ISO/IEC 17025:2005</li> </ul>
	Gesa Srl Quanta Srl (Genova)	1994 2007	<ul style="list-style-type: none"> <li>• Management consulting for more than 100 different companies and institutions, both private and public</li> <li>• Development and certification of quality (ISO 9001), environment (ISO 14001), health&amp;safety (OHSAS 18001), information security (ISO/IEC 27001) management systems</li> <li>• Process analysis, mapping, control and improvement</li> <li>• Project management</li> <li>• Customer relationship management</li> <li>• Training</li> </ul>
	CEE BRITE Contract RI1B-138 (Bruxelles)	1986 1990	<ul style="list-style-type: none"> <li>• Scientific Coordination of Project P-1244-3-85: "Basic Research into Fabricating Silicon/Heat-sink Assemblies in High Power Semiconductor Device". Partners: Ansaldo SpA - GEC Hirst Research Centre - Marconi Electronic Devices Ltd.</li> </ul>
	CEE BRITE Contract RI1B-250 (Bruxelles)	1988 1991	<ul style="list-style-type: none"> <li>• Scientific Coordination of project P-2318-4-87: "Development of a Non-destructive test Method, Based on Acoustic Microscopy, for Process Monitoring of Power Semiconductor Device Manufacture". Partners: Ansaldo Trasporti SpA - Bertin et Cie. - Gec-Plessey Semiconductors Ltd. - Università di Genova, DIBE - Université de Montpellier, LMAM</li> </ul>
	Consiglio Nazionale delle Ricerche (Roma)	1985 1989	<ul style="list-style-type: none"> <li>• Technical and scientific coordination of the following research programs in the frame of the "Progetto Finalizzato Materiali e Dispositivi per l'Elettronica a Stato Solido": <ul style="list-style-type: none"> <li>▪ Development of Gate Turn-Off Thyristors (GTO) for medium-current applications (Sub-project 3 - Task 3).</li> <li>▪ Development of thyristors of upper-limit power (Sub-project 3 - Task 1).</li> <li>▪ Silicon energy&amp;position detectors for ionizing radiations (Sub-project 4 - Task 3).</li> </ul> </li> </ul>
	ANSALDO SpA Semiconductor Department (Genova)	1982 1983	<ul style="list-style-type: none"> <li>• Manufacturing process analysis and improvements</li> <li>• Technology transfer</li> <li>• Project management</li> <li>• Coordination responsibility of a pilot experiment for the implementation of Quality Circles (improvement workgroups)</li> </ul>
Technical skills and competences	<ul style="list-style-type: none"> <li>• Semiconductor technology</li> <li>• Semiconductor device modelling and simulation</li> </ul>		

- Physical and electrical characterization of high-power semiconductor devices
- Physical and electrical characterization of solar cells and photovoltaic modules
- Physical and electrical characterization of silicon sensors for high energy physics
- Thermal simulation and characterization of power semiconductors
- Technologies and processes for semiconductor fabrication
- Electronic and gamma irradiation of semiconductor components
- Design and realization of:
  - High-power thyristors
  - High-power rectifying and fast bipolar diodes
  - Reverse-conducting thyristors
  - Gate-turn-off thyristors
  - Silicon detectors for high energy physics
  - Silicon solar cells and solar panels
- Applications of power electronic components:
  - Design and realization of power sub-assemblies
- Methods and tools for thermal control of electronic components and assemblies
- Technologies and processes for insertion device fabrication
- Development of software applications for:
  - Simulation of fabrication processes
  - Simulation of the electrical characteristics of electronic components and assemblies
  - Physical analysis of electronic devices
  - Data acquisition
  - Test and measurements
  - Process control
- Management and technical software applications developed in the following languages:
  - ASSEMBLER
  - FORTRAN
  - BASIC/VISUALBASIC
  - PASCAL
  - LabVIEW
- Development of virtual instrumentation for data acquisition, test and measurements and process control
- Development of relational databases
- Design and development of analog and digital hardware
- Equipment and systems for photovoltaic solar energy conversion
- Production management
- Manufacturing process analysis, mapping, control and improvement
- Business process re-engineering (BPR)
- Total Quality Management (TQM)
- Statistical Process Control (SPC)
- Statistical Quality Control (SQC)
- Project Management (PM)
- Development of management systems according to the following standards:
  - ISO 9001 / ISO/IEC 17025 - (Quality)
  - SA 8000 - (Social Accountability)
  - ISO 14001 - (Environment)
  - OHSAS 18001 – (Health&Safety)
  - ISO/IEC 27001 – (Information Security)
- Auditing

#### Computer skills and competences

- Windows and Mac operating systems
- Office tools (Microsoft Office, Open Office, Adobe, etc.)
- Graphic design applications (Photoshop, Google Sketchup, etc.)
- Project management applications (MS Project, RedMine, etc.)

	<ul style="list-style-type: none"> <li>▪ Process analysis and mapping applications (All Fusion Process Modeler – BPwin)</li> <li>▪ Data acquisition and test suites (LabVIEW)</li> </ul>																																																								
Artistic skills and competences	Playing classical guitar (...once upon a time)																																																								
Other skills and competences	<p>Scientific publications</p> <ul style="list-style-type: none"> <li>• M. Zambelli et al.</li> </ul> <p>More than 40 papers presented at international conferences and/or published in international technical/scientific magazines</p>																																																								
Memberships	<table border="1"> <tr> <td>AEI – Associazione Elettrotecnica Italiana</td> <td>Milano</td> <td>Member</td> <td>1975 – 1992</td> </tr> <tr> <td>IEEE – The Institute of Electrical and Electronic Engineers</td> <td>New York</td> <td>Student (1975) Member (1978)</td> <td>1975 – 1992</td> </tr> <tr> <td>ED – Electron Device Society of IEEE</td> <td>New York</td> <td>Member</td> <td>1975 – 1992</td> </tr> <tr> <td>PE – Power Electronics Society of IEEE</td> <td>New York</td> <td>Member</td> <td>1975 – 1992</td> </tr> <tr> <td>Ordine degli Ingegneri della Provincia di Genova</td> <td>Genova</td> <td>No. 5957</td> <td>1988 – 2002</td> </tr> <tr> <td>ASTE – Associazione Scambio Termico in Elettronica</td> <td>Bologna</td> <td>Member (1991-1995) President (1995-1996)</td> <td>1991 – 1996</td> </tr> <tr> <td>Associazione degli Industriali della Provincia di Genova</td> <td>Genova</td> <td>Member of workgroup “Progetto Qualità”</td> <td>1995 – 1996</td> </tr> <tr> <td>SOGEA SCpA Scuola di Organizzazione e Gestione Aziendale</td> <td>Genova</td> <td>Member of the Faculty</td> <td>2002 - 2006</td> </tr> <tr> <td>THEMIS Scuola per la Pubblica Amministrazione</td> <td>Genova</td> <td>Member of Scientific Committee</td> <td>2002 - 2006</td> </tr> <tr> <td>Elettra – Sincrotrone Trieste S.C.p.A.</td> <td>Trieste</td> <td>Coordinator of the “Infrastructure Advisory Committee”</td> <td>2013 - 2015</td> </tr> <tr> <td>Società Italiana di Fisica</td> <td>Bologna</td> <td>Member</td> <td>2013 - 2015</td> </tr> <tr> <td>Elettra – Sincrotrone Trieste S.C.p.A.</td> <td>Trieste</td> <td>Head of of the Coordination Committee (formerly “Executive Committee”)</td> <td>2014 - 2018</td> </tr> <tr> <td>CRAL Elettra Sincrotrone Dilettantistica (sport association of Elettra employes)</td> <td>Trieste</td> <td>President</td> <td>2015 - 2018</td> </tr> <tr> <td>Centro Regionale di Sperimentazione e Assistenza Agricola – CeRSAA Ente di Certificazione “Made in Quality”</td> <td>Albenga</td> <td>President of the “Comitato per la Salvaguardia dell’Imparzialità”</td> <td>2016 - Today</td> </tr> </table>	AEI – Associazione Elettrotecnica Italiana	Milano	Member	1975 – 1992	IEEE – The Institute of Electrical and Electronic Engineers	New York	Student (1975) Member (1978)	1975 – 1992	ED – Electron Device Society of IEEE	New York	Member	1975 – 1992	PE – Power Electronics Society of IEEE	New York	Member	1975 – 1992	Ordine degli Ingegneri della Provincia di Genova	Genova	No. 5957	1988 – 2002	ASTE – Associazione Scambio Termico in Elettronica	Bologna	Member (1991-1995) President (1995-1996)	1991 – 1996	Associazione degli Industriali della Provincia di Genova	Genova	Member of workgroup “Progetto Qualità”	1995 – 1996	SOGEA SCpA Scuola di Organizzazione e Gestione Aziendale	Genova	Member of the Faculty	2002 - 2006	THEMIS Scuola per la Pubblica Amministrazione	Genova	Member of Scientific Committee	2002 - 2006	Elettra – Sincrotrone Trieste S.C.p.A.	Trieste	Coordinator of the “Infrastructure Advisory Committee”	2013 - 2015	Società Italiana di Fisica	Bologna	Member	2013 - 2015	Elettra – Sincrotrone Trieste S.C.p.A.	Trieste	Head of of the Coordination Committee (formerly “Executive Committee”)	2014 - 2018	CRAL Elettra Sincrotrone Dilettantistica (sport association of Elettra employes)	Trieste	President	2015 - 2018	Centro Regionale di Sperimentazione e Assistenza Agricola – CeRSAA Ente di Certificazione “Made in Quality”	Albenga	President of the “Comitato per la Salvaguardia dell’Imparzialità”	2016 - Today
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Driving licence	Driving licence for cars and small sized commercial vehicles (Italian category “B”)																																																								
<b>Annexes</b>	<p>The following annexes can be supplied upon specific request, as lists of references for:</p> <ol style="list-style-type: none"> <li>1 – Technical consultancy</li> <li>2 – Management consulting</li> <li>3 – Education and training activities</li> <li>4 – System certifications</li> <li>5 – Scientific publications</li> <li>6 – Certificates of qualification as auditor of management system</li> </ol>																																																								



July 2023

*I undersigned declare that all the information supplied in this curriculum vitæ is accurate and trustful. I authorize its use according and within the meanings of European regulations on the privacy of personal data, with specific reference to GDPR 2016/679.*

**Mauro Zambelli**

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