

# University Academic Curriculum Vitae

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## Personal information

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## Education since leaving school

- **2021**, National Scientific **Habilitation as Full Professor** in Management Engineering (Sector 09/B3 Ingegneria Economico Gestionale; 5 out 5 positive evaluations)
- **2017**, National Scientific **Habilitation as Associate Professor** in Management Engineering (Sector 09/B3 Ingegneria Economico Gestionale; 5 out 5 positive evaluations)
- **2015**, **Doctor of Philosophy in Industrial Sciences and Information Technologies** (Excellent), Università degli Studi di Udine
- **2013**, **Visiting PhD Student** at the University of Exeter Business School (UK)
- 2012, Abilitazione all'esercizio della professione di Ingegnere Industriale (Engineering License), Università degli Studi di Udine
- **2011**, **Master's Degree in Management Engineering** (Magna Cum Laude), Università degli Studi di Udine
- **2009**, **Bachelor's Degree in Industrial Management Engineering** (Magna Cum Laude), Università degli Studi di Udine

## Present appointment

- **Full Professor in Management Engineering** (SSD: IEGE-01/A) at the **Faculty of Engineering**, Free University of Bolzano-Bozen (**since February 2026**).
- **Coordinator of the Quality Committee** ("Presidio della Qualità") of the Free University of Bolzano-Bozen (**since October 2024**)
- **Deputy Director of the Competence Center for Innovation Ecosystems in Mountain Contexts** of the Free University of Bolzano-Bozen (**since 2022**). The center includes numerous professors, researchers, research fellows, and technologists affiliated with the Free University of Bozen-Bolzano and other institutions (Ca' Foscari University of Venice, Eurac Research, University of Padova, University of Udine, and University of Verona). Further information is available at the following links: <https://www.unibz.it/it/home/research/competence-centre-mountain-innovation-ecosystems/>.
- **Coordinator (scientific responsible) of the Management Engineering research group at the Free University of Bozen-Bolzano** (internal-level research group, with national and international cooperations). The group focuses on three main topics and their interactions: digitalization, sustainability, and supply chain management. It has been composed over the years by the following people\* (supervised or co-supervised by prof. Orzes):
  - One RTT (Dr. Molinaro);
  - Two RTDs (Dr. Sauer, currently Associate Professor at NEOMA Business School; Dr. Molinaro),
  - Eight research fellows (Dr. Hmouda; Dr. Sacco; Dr. Teshome; Dr. Podrecca, currently RTT at the University of Padova; Dr. Molinaro; Dr. Pedrini, currently Associate Professor at the University of Enna Kore; Dr. Berni, Dr. Altavilla);

- Two technologists (Dr. Teshome; Dr. Rasool);
- Four PhD students (Beltrami; Hmouda; Bais currently post-doc researcher at ATH Zurich; and Zecchillo);
- Three visiting PhD students (Ciano, currently Assistant Professor at the University of Nottingham; Freire, Santos).

The group have also collaborations with several academics affiliated with leading Italian and foreign universities, as well as several interdisciplinary collaborations with unibz, Italian and foreign scholars from other research fields.

\* Some staff members are mentioned twice since they had multiple roles in the group.

- **Member of the Research Team of the Competence Center for Plant Health** of the Free University of Bozen-Bolzano.
- **Member of the Technical Scientific Committee** – as representative of unibz (designated by the University President) – **of the iNEST (Interconnected Nord-Est Innovation Ecosystem) consortium** since January 2025. iNEST is a network of Universities, Public Research Institutions, Territorial Institutions and Companies located in North-East of Italy. It was established within a PNRR project but it is expected to continue beyond the project itself, supporting its members in third mission activities. More information is available at the following link: <https://www.consorziointest.it/en/#content-1-en> (since 2024).
- **Member of the Technical Scientific Committee (CTS)** – as representative of unibz (designated by the University Council) – **of the CUOA Business School** since 2022. Founded in 1957 as a postgraduate specialization school within the Faculty of Engineering of the University of Padova, CUOA is now one of the most important management schools in Italy. The members of CUOA now include several leading universities across Italy (including all nine Universities in north-east Italy) as well as businesses, trade associations, credit institutions and public bodies. The Technical Scientific Committee provides advices, suggestions and guidelines about the teaching offer and the other institutional activities of CUOA Business School.

## Professional experience

From / to	Job title	Name of academic Institution	Academic level	Responsibilities
Feb. 2021 – Jan. 2026	Associate Professor	Free University of Bozen-Bolzano	Undergraduate and post-graduate	Research in the following three main areas: management and implementation of Industry 4.0 technologies, global operations management (offshoring and reshoring), sustainability and circular economy. Responsibility and lecturing of the following courses: "Introduction to Business Management" (Bachelor Degree in Industrial Mechanical Engineering) and "Industrial Accounting and Management" (Master Degree in Industrial Mechanical Engineering). Organization and coordination of the management engineering research group. Organizational and administrative activities in support to the Faculty (e.g.,

				committee for recruiting contract professors, committee for student admission, examination commissions)
July-August 2024	Visiting Scholar	Worcester Polytechnic Institute (USA)	Undergraduate and post-graduate	Research activities withing research project "A Strategic Roadmap Towards the Next Level of Intelligent, Sustainable and Human-Centred SMEs (SME5.0)" in collaboration with Prof. J. Sarkis and prof. C. Brown. Topic of the research: sustainability and circular economy.
Oct. 2016 – now	Contract professor	University of Udine	Post-graduate	Teaching of several courses/seminars on process management within different Lifelong Learning Programmes, including the Executive Master in Business Administration and the Master in People Management.
Feb. 2018 – Jan. 2021	Assistant Professor ("Ricercatore a tempo determinato L.240/10 tipo B")	Free University of Bozen-Bolzano	Undergraduate and post-graduate	Research in the following three main areas: management and implementation of Industry 4.0 technologies, global operations management (offshoring and reshoring), sustainability and circular economy. Responsibility and lecturing of the following courses: "Introduction to Business Management" (Bachelor Degree in Industrial Mechanical Engineering) and "Industrial Accounting and Management" (Master Degree in Industrial Mechanical Engineering). Organization and coordination of the management engineering research group. Organizational and administrative activities in support to the Faculty (e.g., committee for recruiting contract professors, committee for student admission, examination commissions)
July 2020 – July 2020	Contract professor	Libera Università Mediterranea	Post-graduate	Teaching of the course "Project Management" in the Lifelong Learning Programme (Master di I livello) "Health, Safety and Environmental Management"
Oct. 2016 – Jan. 2018	Assistant Professor ("Ricercatore a tempo determinato L.240/10 tipo A")	Free University of Bozen-Bolzano	Undergraduate and post-graduate	Research in the following three main areas: management and implementation of Industry 4.0 technologies, global operations management (offshoring and reshoring), sustainability and circular economy. Responsibility and lecturing of the following courses: "Introduction to Business Management" (Bachelor Degree in Industrial Mechanical Engineering) and "Industrial Accounting and Management"

				(Master Degree in Industrial Mechanical Engineering). Organization and coordination of the management engineering research group. Participation to examination commissions. Organizational and administrative activities in support to the Faculty (e.g., committee for recruiting contract professors, committee for student admission)
Jul. 2017 – Jul. 2023	Honorary Research Fellow	University of Exeter Business School	Undergraduate and post-graduate	The position is offered based on a significant research contribution in collaboration with one or more professors of the University of Exeter. The collaboration began through a period as Visiting PhD Student of Dr. Orzes at the University of Exeter (collaboration with Prof. Richard Lamming and Dr. Fu Jia) and continued over the years through various researches
Feb. 2016 – Sept. 2016	Post-doctoral Research Fellow and Teaching Assistant	Università degli Studi di Udine	Undergraduate and post-graduate	Research in the International Sourcing and Manufacturing field Presentation of articles in national and international conferences Lectures in the courses of "Business Management", "Business Strategy" and "Quality Management" of the Bachelor and Master Degree in Engineering Management Participation to examinations Supervision of Bachelor and Master theses
Apr-2016 – Sept. 2016	Contract professor	Free University of Bozen	Master degree	Teaching of the course "Economics and Management of Energy Systems"
Jan. 2016 – May 2016	Contract professor	Consorzio Friuli Formazione	Post-graduate	Teaching of the module "Process Management" within the course "Formazione manageriale interna per dipendenti delle tre università del Friuli Venezia Giulia" (I e II edizione)
Jan. 2015 – Dec. 2015	Post-doctoral Research Fellow and Teaching Assistant	Università degli Studi di Udine	Undergraduate and post-graduate	Research in the International Sourcing and Manufacturing field Presentation of articles in national and international conferences Lectures in the courses of "Business Management", "Business Strategy" and "Quality Management" of the Bachelor and Master in Engineering Management Participation to examinations Supervision of Bachelor and Master theses

Apr. 2013 – Oct. 2013	Contract professor	IAL Innovazione Apprendimento Lavoro Friuli Venezia Giulia	Post-graduate	Teaching of some lectures of the module "La gestione strategica degli approvvigionamenti" (AF2012/A04 e AF2012/C04)
Jan. 2013 – Mar. 2013	Visiting Doctoral Student	University of Exeter Business School	Undergraduate and post-graduate	Research in the International Sourcing and Manufacturing field, in particular on the "International Purchasing Offices", in cooperation with Dr. Fu Jia and Prof. Richard Lamming
Jan. 2012 – Dec. 2014	Doctoral Student and Teaching Assistant	Università degli Studi di Udine	Undergraduate and post-graduate	Research in the International Sourcing and Manufacturing field Presentation of papers at national and international conferences Lectures in the following courses: "Economia Aziendale" (Fundamentals of Economics), "Strategia Aziendale" (Business Strategy) and "Gestione della qualità" (Quality Management) of the Bachelor and Master Degree in Management Engineering Participation to examinations commissions Supervision of Bachelor and Master theses

## Experience in academic teaching

### Courses, modules, and lectures taught at unibz

- Responsible and teacher of the course (60 out of 60 hours) "Economics for Engineers" (6 CFU) and the associated ("mutuato") courses "Economics and Management" and "Introduction to Business Management" (6 CFU),** Bachelor in Industrial Mechanical Engineering and Bachelor in Electronic and Information Engineering, Free University of Bolzano, Teaching language: English. Since AY 2016-2017. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*  
 AY 2020-2021: 100% Generally Yes + Definitely Yes  
 AY 2021-2022: 87,5% Generally Yes + Definitely Yes  
 AY 2022-2023: 100% Generally Yes + Definitely Yes  
 AY 2023-2024: 100% Generally Yes + Definitely Yes  
 AY 2024-2025 (Economics for Engineers): 100% Generally Yes + Definitely Yes  
 AY 2024-2025 (Economics and Management): 100% Generally Yes + Definitely Yes
- Responsible and teacher of the module (46 out of 46 hours) "Process & Technology Management" (5 CFU, SSD: ING-IND/35),** Master in Industrial Mechanical Engineering (and Master in Entrepreneurship and Innovation – loaned), Free University of Bolzano & Otto-von Guericke-Universität Magdeburg (double degree), Teaching language: English. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*  
 AY 2021-2022 (Master in Industrial Mechanical Engineering): 94,74% Generally Yes + Definitely Yes  
 AY 2021-2022 (Master in Entrepreneurship and Innovation): 100%

Generally Yes + Definitely Yes

AY 2022-2023 (Master in Industrial Mechanical Engineering):

87,50,32% Generally Yes + Definitely Yes

AY 2022-2023 (Master in Entrepreneurship and Innovation): 100%

Generally Yes + Definitely Yes

AY 2023-2024 (Master in Industrial Mechanical Engineering): 87,50%

Generally Yes + Definitely Yes

AY 2024-2025 (Master in Industrial Mechanical Engineering): 100%

Generally Yes + Definitely Yes

- **Responsible and teacher of the course (60 out of 96 hours) "Industrial Accounting and Management" (10 CFU)**, offered also as two separate modules **"Industrial Accounting" (5CFU)** and **"Management Control and Business Planning" (5CFU)**, Bachelor in Industrial Mechanical Engineering, Free University of Bolzano & Otto-von Guericke-Universität Magdeburg (double degree), Teaching language: English. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*

AY 2016-2017: 100% Generally Yes + Definitely Yes

AY 2017-2018: 100% Generally Yes + Definitely Yes

AY 2018-2019: 100% Generally Yes + Definitely Yes

AY 2019-2020: 100% Generally Yes + Definitely Yes

AY 2020-2021: 100% Generally Yes + Definitely Yes

- **Responsible and teacher of the course (16 out of 48 hours) "Management Control and Business Planning" (5CFU, SSD: ING-IND/35)**, Master in Industrial Mechanical Engineering, Free University of Bolzano & Otto-von Guericke-Universität Magdeburg (double degree), Teaching language: English. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*

AY 2021-2022: 100% Generally Yes + Definitely Yes

AY 2022-2023: 100% Generally Yes + Definitely Yes

AY 2023-2024: 90% Generally Yes + Definitely Yes

AY 2024-2025: 100% Generally Yes + Definitely Yes

### **Seminars and guest lectures taught at other universities**

- **Contract professor of the seminar "Process Management"** (8 hours) in the Lifelong Learning Programme **Executive Master in Business Administration (EMBA), University of Udine**, Teaching language: Italian. From AY 2020-2021 to AY 2024-2025.
- **Guest (visiting) lecturer at the WFI Ingolstadt School of Management**, Catholic University of Eichstätt-Ingolstadt, Germany, 12th-26th June 2024. I delivered two lectures (3 hours in total) on the following topics: „Basics of Procurement“ and „Sustainable Principles in Procurement“.
- **Contract professor of the seminar "Mappatura dei processi – Progettazione e gestione"** (12 hours) in the Lifelong Learning Programme (Master di I livello) in **"Human Resource Management" / "People Management, diritto del lavoro, HR analytics", University of Udine**, Teaching language: Italian. From AY 2016-2017 to AY 2024-2025.
- **Contract professor of the module "Analisi e rappresentazione grafica dei processi"** (8 hours) in the Lifelong Learning Programme (Master di I livello) in **"Acquisti, Logistica e Gestione della Supply Chain", University of Udine**, Teaching language: Italian. AY 2022-2023

and AY 2023-2024.

- **Contract professor of the module "Project Management"** (14 hours) in the **Lifelong Learning Programme** (Master di I livello) in **"Health, Safety and Environmental Management", Libera Università Mediterranea (LUM)**, Teaching language: Italian. AY 2019-2020.
- Contract professor of the **seminar "Process RFX-to-contract and competitive bidding"** (4 hours) in the **Lifelong Learning Programme "Job Leader Procurement", CUOA Business School**, Teaching language: Italian. AY 2019-2020.
- **Responsible and contract professor of the course 'Economics and Management of Energy Systems'** (in English, 30 hours – master degree level) at the Faculty of Science and Technology, **Free University of Bozen** (AY 2015-2016)
- **Mentor for the topic "Operations and Supply Chain" at the school for PhD Students organized the Scientific Association AiIG** - Associazione Italiana Ingegneria Gestionale <http://www.scuolaestivaaiig.it/2017/>
- **Contract professor of the module 'Process management'** (12 hours – repeated in 3 editions) at the **course for the technical staff of the Universities of Udine, Trieste, and SISSA** (post-graduate/post-diploma) organized by **Consorzio Friuli Formazione** (academic year 2015-2016)

### **Thesis supervision**

#### **Supervision of PhD theses (6 theses):**

- Supervision of **4 PhD theses at unibz** (as first supervisor):
  - Miriam Beltrami, "Industry 4.0 and sustainability: an empirical investigation", PhD in Sustainable Energy and Technologies, 34th cycle, Free University of Bozen-Bolzano (defended in August 2022).
  - Ahmed Mohamed Omar Hmouda, "Sustainable Supply Chain Management in Energy Production", PhD in Sustainable Energy and Technologies, 36th cycle, Free University of Bozen-Bolzano (defended in June 2024).
  - Beatrice Bais, "Assessment of ESG practices and performance", PhD in Sustainable Energy and Technologies, 35th cycle, Free University of Bozen-Bolzano (defended in March 2025).
  - Nunzia Zecchillo\*, "Leveraging on sustainability standards and policy incentives to improve social and environmental sustainability of companies", PhD in Sustainable Energy and Technologies, 38th cycle, Free University of Bozen-Bolzano (in progress).
- Co-supervision of **2 PhD theses at Italian or Foreign universities**:
  - Maria Pia Ciano, "Towards an industrial transformation: the link between lean techniques and industry 4.0 technologies", PhD in at Università Carlo Cattaneo (Italy) (defended in 2021). The PhD student spent a period at unibz as visiting doctoral student.
  - Beatrice Santos, "An investigation upon Industry 4.0 implementation: the case of small and medium enterprises and lean organizations", PhD in Industrial Engineering and Management at University of Beira Interior (Portugal) (defended in November 2022). The PhD student spent a period at unibz as visiting doctoral student.

### **Supervision of Master's Degree theses (25 theses):**

- Supervision of **8 Master's Degree theses at unibz** (as first supervisor).
- Co-supervision of **8 Master's Degree theses at unibz** (as second supervisor).
- Co-supervisor of **9 Master's theses** in Management Engineering at the University of Udine. Topics: global sourcing, reshoring, build-operate-transfer in service offshoring, Failure Mode and Effects Analysis, ISO 14001, SA8000, United Nations Global Compact.

### **Supervision of Bachelor's Degree theses (19 theses):**

- Supervision of **5 Bachelor's Degree theses at unibz** (as first supervisor):
- Co-supervision of **1 Bachelor's Degree theses at unibz** (as second supervisor):
- Co-supervisor of **13 Bachelor's theses** in Industrial and Information Management Engineering **at the University of Udine**, where prof. Orzes was employed before joining unibz (as second supervisor).

### **Other teaching related experiences and roles:**

- **Coordinator / responsible of the scientific sector ING-IND/35** (Management Engineering) at the Free University of Bozen-Bolzano since October 2016.
- **Member of the Council ("Collegio") of the PhD in "Sustainable Energy and Technologies"** (since XXXIII cycle) of the Free University of Bozen. As member of the Council, I took part to the several workshops where PhD students presented their activities and results and we provided them feedback and suggestions to improve their doctoral theses.
- **Second member of the study council of the Master Degree in Industrial Mechanical Engineering (LM-33)** (AY 2022-2023 and 2023-2024). I worked together with the Director (prof. Vidoni) on the re-design, the management, the quality assurance procedures and the internationalization (thanks also to double degrees and new Erasmus agreements) of the Master Programme.
- **Member (aggregate) of the Joint Studies Committee (Commissione Paritetica Docenti Studenti - CPDS) of the Faculty of Engineering** (AY 2023-2024). The Joint Studies Committee acts as a permanent monitor of teaching on the faculty's study courses; it creates an annual report, paying particular attention to the results of the course evaluation by students, monitors problematic situations and proposes corrective actions and improvements.
- **Faculty coordinator of the EUR-ACE accreditation process** of three study programmes of the Faculty of Engineering of the Free University of Bozen-Bolzano (Bachelor in Industrial Mechanical Engineering, Master in Industrial Mechanical Engineering and Master in Energy Engineering). In this role I supervised the preparation of the documentation for the accreditation visit and I was in particular responsible for the documentation of the Master in Industrial Mechanical Engineering. The accreditation visit took place in May 2024.
- **Member of the admission committee of the Bachelor Degree in Industrial Mechanical Engineering (L-9)** in AY 2017-18.
- **Member of the admission committee of the Master Degree in Industrial Mechanical Engineering (LM-33)** (AY 2017-18, 2018-19,



2019-20, 2020-21, 2021-22, 2023-24, and 2024-2025).

- **Member of the admission committee of the PhD in "Sustainable Energy and Technologies"** (since XXXIII cycle) of the Free University of Bozen (AY 2023-24, 2024-25 and 2025-26).
- **Member (in some cases President) of several commission for the final thesis exam of the Master Degree in Industrial Mechanical Engineering (LM-33)** since AY 2018-19.
- **Member of the various commission for the final thesis exam of the PhD Programme Sustainable Energy and Technologies (SET)** since AY 2017-18.
- **Co-organizer of the International Week "Industry 4.0: Technologies and Management"**, a winter school attended by engineering students of different European universities belonging to the EUCLIDES network. The school will take place online from 8<sup>th</sup> to 12<sup>th</sup> March 2021.

#### Other academic responsibilities

#### Organization of national and international scientific conferences and events

- **Chair of the 18<sup>th</sup> EPIEM Conference 2025** that took place in **Bolzano** on **18<sup>th</sup> – 20<sup>th</sup> June 2025** within the 4th International Symposium on Industrial Engineering and Automation (ISIEA 2025) (international scientific conference). More information is available at the conference website: <https://www.epiem.org/18%E1%B5%97%CA%B0-epiem-conference-2025/>.
- **Chair of the 14<sup>th</sup> European Decision Sciences Institute (EDSI) Annual Conference** "The Science of Responsible Decisions" that took place in **Venice from June 3<sup>rd</sup> to 5<sup>th</sup> 2024**. The conference was co-organized by the University of Udine, the Free University of Bozen-Bolzano, and ALiG. It was one of the most important international conferences in the field of Operations & Supply Chain Management in Europe. Around 120 scholars from Europe, America and Asia attended it.
- **Chair of the 2<sup>nd</sup> International Symposium on Industrial Engineering and Automation (ISIEA 2023)** that took place in **Bolzano** on **22<sup>nd</sup> – 23<sup>rd</sup> June 2023** (international scientific conference). The conference was attended by around 90 professors and researchers from 13 countries (4 continents). More information is available at the conference website: <https://isiea.events.unibz.it/isiea-2023/>. The conference proceedings have been published in a Scopus-indexed book (<https://doi.org/10.1007/978-3-031-38274-1>).
- **Chair of the special track** "Towards Industry 5.0: Disentangling the complex relationship between digital technologies and sustainability" **at the XXXV Riunione Scientifica Annuale AiIG** (national conference).
- **Chair of the "Operations and Supply Chain Management Workshop"** that took place at the Free University of **Bozen-Bolzano** on **21 May 2019**. Various professors, researchers and PhD students took place to the workshop.
- **Co-organizer of the Industry 4.0 and sustainability - seminar and workshop** at the Free University of Bozen-Bolzano on **21 June 2019**
- **Member of the Scientific Committee of multiple editions of the European Decision Sciences Institute (EDSI)**, the European Operations Management Association (**EUROMA**), the International Purchasing and Supply Education and Research Association (**IPSERA**), and the International Symposium on Industrial Engineering and Automation

- **(ISIEA) international conferences (since 2018).**
- **Member of the Scientific Committee of the 6th World P&OM Conference** that took place in Nara (Japan) in August **2022**.
- **Member of the scientific committee of the FAB 2020 conference** - Food and Applied Bioscience Insights for Research and Industry 4.0" that took place on 6–7, February **2020** in Chiang Mai, Thailand. The conference was co-hosted by unibz.

#### **Organization of third mission events**

- **Co-organizer of the event "Progetto iNEST: l'innovazione nei contesti montani"** that took place in Bolzano on 25<sup>th</sup> February **2025**.
- **Active participation (with a stand on the topic of *Sustainability in Supply Chains*) to the event "New Heights for Innovation: Discover Our New Faculty of Engineering!"** (January **2025**). The event, organized by the Faculty of Engineering of the Free University of Bozen-Bolzano, was open to all interested citizens (<https://www.unibz.it/en/home/third-mission/new-heights-innovation/#Organism-10426> ).
- **Co-organizer of the event "Certificazioni e standards per la "misurazione" della sostenibilità delle attività economiche"** for practitioners and companies interested on the topic.
- **Co-organizer of the kick-off and stakeholder event of the Spoke 1 of iNEST project** that took place in Bolzano on 16<sup>th</sup> March **2023**.
- **Organizer of 5 Series of Lectures** on management engineering topics with experts from both the academia (e.g., prof. Tobias Schoenherr – Michigan State University, Dr. Bernhard Dachs – Austrian Institute of Technology) and the Industry (Ing. Attilio Guatterini – Freud, Ing. Pietro Borgo – Iveco).
- **Co-organizer of the event "General Meeting of the Südtiroler Wirtschaftsring – Economia Alto Adige & Stakeholder Event of the Interreg A21Digital Tyrol Veneto"** that took place at Noi Techpark on 20th September **2019**. The event was organized together with the industria association Südtiroler Wirtschaftsring – Economia Alto Adige and was attended by about 160 people, among which various politicians and managers of South Tyrolean companies. A brief video presenting the event is available at the following link: <https://www.youtube.com/watch?v=vsFIbvJr2Y&t=17s>.

#### **Other third mission activities**

- **Responsible and teacher (6 out of 18 hours) of the life-long learning course "Gestione sostenibile della supply chain nelle aree montane"** (3 CFU, SSD: ING-IND/35, October 2024 – February 2025). The course was organized within the Studium Generale of the Free University of Bozen-Bolzano and funded by the PNRR project Interconnected Nord-Est Innovation Ecosystem (iNEST). It was attended by around 10 participants. The hours held by prof. Orzes were outside the teaching load and not paid.
- **Responsible for the Training & Education Activities (WP 6) of the European Digital Innovation Hub of Bolzano**. Several short life-long learning courses as well as a set of learning on platform courses (practical courses held within unibz labs) have been and will be organized within the project.
- **Responsible and teacher (16 out of 16 hours) of the life-long learning course "Rappresentazione e re-design dei processi"**

- aziendali,”** as part of the Continuing Education program for companies of the European Digital Innovation Hub (EDIH) in Bolzano. The 2-day course (**10-11.06.2025**) was intended for managers and employees of companies in the South Tyrol region.
- **unibz responsible of the cross-cutting activity CC4 (Education, from ITS to Lifelong Learning) of the project Interconnected Nord-Est Innovation Ecosystem (iNEST).** The goal of this activity is to contribute to the coordination and strengthening of education as well as life-long learning activities of the partner universities. Within the CC4, several life-long courses have been offered (for free) by unibz, including: (1) Educazione finanziaria per studenti universitari e laureati: sviluppare competenze di vita; (2) University Pedagogy 1: Course Design; and (3) WednesdAIs: Pedagogies for developing the XXIst century skills.
  - **Responsible for unibz of the lifelong learning Programme of the NOI Techpark (Level-up) since 2021.** The Level-up programme consists every year of around 15 courses lasting 4-12 hours each that are offered to employees of all companies and institutions located at the NOI Techpark. The role of prof. Orzes is on the one side to help the NOI Techpark team to do the training needs analysis (interviewing unibz lab directors) and then to advertise the programme; while on the other side to collect proposals from unibz professors for courses to be inserted in the programme. After when prof. Orzes became responsible for the programme the number of courses offered by unibz professors and researchers increased.
  - **Lecture within the Studium Generale course "Sustainable Development" (2 hours - December 2022).** Title of the lecture: "Certificazioni per la sostenibilità (ISO 14001, SA8000)".
  - **Unibz representative (together with prof. Erwin Rauch) of the working group "Univeristà per l'industria" (<https://reterus.it/universita-per-l-industria/>) of the Rete delle Università per lo Sviluppo sostenibile (RUS).** The objective of the working group is to encourage Italian universities to re-think how they use their scientific knowledge to support production activities. The activities concern the design of industrial policies and paths for the harmonious growth of production entities – with a focus on sustainability and climate change – in support of sustainable and circular innovation of the territories, with a long-term strategic vision.
  - **Project Officer of the cascade funding calls (call I and II) of the Spoke 1 of the PNRR iNEST project.** The project officer is member of the evaluation committee without voting rights but with the goal to ensure coordination with the Spoke management. The evaluation committee is in charge of selecting the projects to be financed as well so monitor their execution. The budget of the calls was over 3,2 Mio Euro.
  - **Principal investigator, co-investigator or member of the team of various contract research and teaching projects** (see section Research projects and scholarships) **with a variety of companies and other stakeholders.**
  - **Keynote speaker at various events organized by local and international stakeholders,** among which:
    - "Circular Economy: trend or must for future generations? at the Loop Circular Economy Conference organized by the **United Nations Development Programme of Bosnia and Herzegovina** (14.05.2024).

- "KI-Anwendungen zur Verbesserung der Wettbewerbsfähigkeit von Unternehmen" at the event KI Leichtgemacht - Praktische Anwendung organized by **BASIS Vinschgau Venosta** (13.06.2024)
- "Skills and training to support Artificial Intelligence adoption" at the roundtable "One-stop shop for artificial intelligence" organized by **NOI Techpark** to present the Digital Innovation Hub South Tyrol (21.03.2024).
- "Sostenibilità di prodotti, delle aziende e delle catene di fornitura" at the NOI Techpark (Bozen) within the seminar "Funghi, catene di fornitura e nuove idee" organized by **lvh-apa** (05.12.2022).
- "La sostenibilità nelle aziende: standard, pratiche e performance" at the event Finanza sostenibile (ESG) e relativi strumenti finanziari organized by the **Chamber of Commerce of Bolzano** (22.09.2022).
- "Dall'Industria 4.0 alla Smart Agriculture: applicazioni e sfide in una visione di sostenibilità" at the **fair Novelfarm** (focused on novel agricultural techniques) on 19th February 2020. <http://www.novelfarmexpo.it/programma-2020/>
- "Arbeit 4.0: konkrete Maßnahmen zur Entwicklung neuer Berufsprofile / Lavoro 4.0: misure concrete per sviluppare nuovi profili di lavoro" at the Digital Day 2019 organized by the **Chamber of Commerce of Bolzano** on 5th April 2019. <http://www.handelskammer.bz.it/en/node/6436>
- "Smart manufacturing and logistics for SMEs in an X-to-order and Mass Customisation Environment" at the Thematic Seminar - Industry 4.0 in Cities and Regions" Organized by the **European Committee of Regions and the DG Research and Innovation of the European Commission** on 28th June 2019. The speech was also transmitted in streaming. <https://cor.europa.eu/it/events/Pages/sedec-kep-industry-cities-regions.aspx>
- "The impact of Industry 4.0 on the supply chain" at the conference Negotiorum fucina organized by the **Italian Association of Purchasing Managers (ADACI)** (2018).
- **Presentation of the Engineering study programmes** of the Free University of Bozen-Bolzano and of the Smart Minifactory Lab **at the High School Galileo Galilei** (valid as alternanza scuola-lavoro) in the Spring 2018
- **Organizer of a visit of the laboratories of the Faculty of Science and Technology with the professors of the High School Galileo Galilei** in the spring 2019.
- **Participant as expert (esperto accreditato) at G7 UNIVERSITY** "Education for all", 29th and 30th June 2017, Udine, Italy

## Memberships

- **President-elect, President and Past/President** (2021-2024 – three-years term) of the **international scientific association European Decision Science Institute (EDSI)** - <https://edsi.decisionsciences.org/>. It is one of the most important scientific associations in Europe in the Decision Sciences field.
- Member of the **steering committee of the Special Interest Group (SIG) for Sustainable Entrepreneurship Education of the Association for European Life Science Universities (ICA)** (as

representative for unibz). The goal of the SIG is to organize seminars and workshop on the topic of sustainable entrepreneurship in higher education institutions.

- **Representative of unibz within the Network of European Universities EUCLIDES.** The network consists of 23 universities and engineering colleges located in 9 countries. Its main goal is to promote joint activities (such as Blended Intensive Programmes) as well as Erasmus+ agreement in the Engineering field.

#### **Editorial Boards of scientific journals**

- **Associate Editor of the International Journal of Operations and Production Management (since 2022).** It is the most important international Journal in the operations management field in Europe and one of the most important worldwide. The Journal is Q1 in ISI/WOS and in Scopus; GOLD in the ranking of the Italian Association of Management Engineering and 4 stars (maximum score) in the Academic Journal Guide 2024 of the Chartered Association of Business School (ABS).
- **Associate Editor of the Journal of Purchasing and Supply Management (since 2019).** It is one of most important international Journal in the operations management field worldwide. The Journal is Q1 in ISI/WOS and in Scopus; SILVER in the ranking of the Italian Association of Management Engineering and 3 stars in the Academic Journal Guide 2024 of the Chartered Association of Business School (ABS).
- **Consulting Editor of the International Journal of Management Reviews (since 2021).** It is one of the most important international Journal in management field, focused exclusively on literature reviews. The Journal is Q1 in ISI/WOS and in Scopus; GOLD in the ranking of the Italian Association of Management Engineering and 3 stars (maximum score) in the Academic Journal Guide 2024 of the Chartered Association of Business School (ABS).
- **Member of the Editorial Review Board of the International Journal of Operations and Production Management (2019-2022).**
- **Guest editor of the special issue** "The fourth industrial revolution: Operations and production management impact of Industry 4.0" in the International Journal of Operations and Production Management (2018-2019).
- **Associate Editor of the Electronic Journal of Business Research Methods** (Scopus: Q3) (2016-2020).
- **Reviewer for many leading international journals (since 2014),** including among others International Journal of Operations and Production Management (AIIG 2020: GOLD, ISI/WOS: Q1, Scopus: Q1), International Journal of Production Research (AIIG 2018: GOLD, AIIG 2020: Silver, ISI/WOS: Q1, Scopus: Q1), International Journal of Production Economics (AIIG 2020: GOLD, ISI/WOS: Q1, Scopus: Q1), Industrial Marketing Management (AIIG 2020: GOLD, ISI/WOS: Q1, Scopus: Q1), Production Planning and Control (AIIG 2018: GOLD, AIIG 2020: SILVER, ISI/WOS: Q1, Scopus: Q1), Journal of Cleaner Production (AIIG 2020: SILVER, ISI/WOS: Q1, Scopus: Q1), Resources, Conservation and Recycling (AIIG 2020: SILVER, ISI/WOS: Q1, Scopus: Q1)

#### **Reviewer of research projects**

- Project reviewer for the Provincia Autonoma di Bolzano
- Listed in the REPRISE database (MIUR scientific experts' database) in the

section "Ricerca di base".

**Research projects and scholarships**

Prof. Guido Orzes has been **principal investigator (PI) or Co-investigator** of the following research and teaching projects, with a **total budget received by unibz** (or by the University of Udine, when he was affiliated at this university) of **11.534.597 euro (2.523.855 of which as PI)**.

<b>Period</b>	<b>Role of prof. Orzes</b>	<b>Funding Body</b>	<b>Title</b>	<b>Amount received by unibz</b>
July 2014 – Nov. 2014	PI (grant hold01.09.2022 – 31.12.2025er)	Lucmar sas	Research contract ("prestazione occasionale") for collecting data through interviews on the reshoring phenomenon in the footwear industry in Italy.	1.500 €
01.03.2018-31.12.2019	Co-investigator of unibz team (the unibz team is responsible for the scientific activities of the project)	Interreg Italia-Austria	A21Digital Tyrol Veneto	155.000 €
01.01.2017 – 30.06.2022	Co-investigator of unibz team	ERDF (EFRE/FESR) Call 2019	Tiny FOP - "Real world laboratory" for ecological experimentation of the future building sector	113.850 €
01.09.2022 – 31.12.2025	Co-investigator	Next Generation EU - PNRR Ecosistemi territoriali dell'innovazione	Interconnected Nord-Est Innovation Ecosystem (iNEST)	8.278.773 €
28.09.2023 – 27.09.2025	PI (+ project coordinator)	Progetti di Rilevante Interesse Nazionale – PRIN 2022	Industry 4.0 and Sustainability: opportunities and challenges for Italian firms (I4.0SUST)	59.330 €
08.02.2023 – 31.10.2023	Co-investigator	Research contract with United Nations Development	Provision of support and expert advice in the design of platform for the	9.300 €

		Programme - Bosnia and Herzegovina (UNDP)	assessment of circularity and maturity of SMEs	
13.12.2022 – 31.03.2025	PI	Research contract with SPRAY LOGICS S.r.l.	Precision spraying and canopy analysis (FOCUS SPRAYING)	71.910 €
06.02.2025 – 31.03.2025	PI	Research contract with Fraunhofer ISI	I4.0 readiness: an international comparison (I4.0Readiness)	4.000 €
01.09.2025 – 31.08.2028	CO-I	ERDF (EFRE/FESR) Call 2025	RE-LOCI: local food networks to improve resilience of the agro-food supply chain in South Tyrol	269.579 €
Total third party funding acquired (as PI or co-investigator) for research projects				8.963.242 €
01.10.2022 – 31.12.2023	CO-I	ERASMUS-EDU-2022-EMJM-DESIGN	Designing an Erasmus Mundus Master on Digital and Sustainable Manufacturing (Design4SusMan)	55.000 €
07.11.2023 – 06.11.2026	PI	Contract for teaching with NOI Techpark (unibz subcontractor of an ESF project)	Student Sprint 2023-2026 (SPRINT23-26)	10.000 €
25.03.2024 – 30.09.2024	PI	Contract for teaching with NOI Techpark	Level UP 2024 (LevelUP)	6.300 €
15.05.2025 – 30.09.2025	PI	Contract for teaching with NOI Techpark	Level UP 2025 (Level-up2025)	4.950 €
01.05.2024 – 31.10.2028	PI	European Social Fund (ESF) 2021-2027	Research projects on strategic topics for the South Tyrolean economy carried out by researchers on fixed-term contracts (FOCUS)	2.320.855 €
Total third party funding acquired (as PI or co-investigator) for teaching projects				2.397.855 €

01.11.2016-30.04.2020	PI since 01.01.2019	CRC Call 2016 – unibz	Additive Manufacturing FDM: Dimensional Accuracy and Product Acceptability (AMDAPA)	45.000 €
15.12.2022 – 14.12.2025	Co-investigator	RC 2022 Call unibz	Contracts, technical standards and certification systems for the effective development of sustainable economic relationships (SUSTCOTECHCERT)	120.000 €
01.09.2020 – 31.08.2023	Co-investigator	RTD Call 2020 - unibz	Blockchain adoption in operations and supply chain management: An investigation for improved information sharing and performance (BT-OSCM)	9.250 €
Total unibz funding acquired (as PI or co-investigator) for research projects				174.250 €

Furthermore, Prof. Guido Orzes has been involved as member of the team in the following research and teaching projects, with a **total budget received by unibz** (or by the University of Udine, when he was affiliated at this university) of **5.935.878 euro**:

Period	Role of prof. Orzes	Funding Body	Title	Amount received by unibz
Jan. 2012 – Sept. 2016	Dr. Orzes has been involved in the projects as PhD student or research fellow and has assumed responsibility for some of their parts (e.g.,	//	Twenty studies/researches funded through agreements/contracts between leading firms (such as Automotive Lighting, Brovedani Group, Banca Popolare di	> 80.000 €



	development of scientific/commercial proposal, data analysis, reporting).		Cividale, UNIQA protezione, Friul Intagli Industries) and the University of Udine.	
Jan 2016 – now	<p>Member of the team</p> <p>I contributed to the development of the project proposal and I was responsible/leader for some activities (conceptual development of a system for searching, analyzing and reporting reshoring cases based on secondary data; writing the interim report; revision of annual reports).</p>	European Union agency EUROFOUND	European Reshoring Monitor	114.500 €
2018-2020	<p>Member of the team</p> <p>Organizing and holding some seminars for companies and high school teachers</p>	Interreg Italia-Austria	E-EDU 4.0 – Engineering Education 4.0	180.000 €
01.01.2016-31.12.2019	<p>Member of the team</p> <p>Leader of the WP5.2 (Analysis of organizational requirements in smart SMEs) and WP 8.2 (Organization and network models for</p>	MSCA-RISE – H2020	Industry 4.0 for SMEs: Smart Manufacturing and Logistics for SMEs in an X-to-order and Mass Customization Environment (SME 4.0)	472.500€

	smart SMEs)  Unibz responsible for the communication and dissemination activities (WP 2)			
2019-2021	PI of unibz team	Call for Young Researcher – Associazione Italiana Ingegneria Gestionale	The relationship between Industry 4.0 and sustainability: An empirical investigation	5.000 €
01.09.2022 – 31.12.2025	Member of the project team	Interreg Italia-Austria 2021-2027	Best pRacticEs to Adapt to climaTe cHange: Interregional approach to reduce urbaN emerGent contamination (BREATHING)	94.080 €
31.12.2025 - 21.12.2028	Member of the project team	Erasmus+ KA 2-3 2021-2027	Smaller (strategic) Universities Network for Regional Innovation and Sustainable Evolution (SUNRISE)	1.607.208 €
01.03.2024 - 30.04.2026	Leader of WP6	PNRR	Digital Innovation Hub South Tyrol (DIS-HUB)	1.347.000 €
01.05.2023 - 31.07.2024	Member of the project team	Other (international funding)	SFF-ACCEL: Accelerating innovation Across Regional Deep Tech Valleys in Europe (SFF-ACCEL)	59.638 €
01.01.2023 - 31.12.2026	Member of the project team	Horizon Europe MSCA	A Strategic Roadmap Towards the Next Level of Intelligent, Sustainable and Human-Centred SMEs (SME 5.0)	317.400 €
01.12.2023	Member of the	Erasmus+	Smaller Universities	97.750 €

– 30.11.2026	project team	KA 2-3 2021-2027	for Sustainability in Engineering Education (SUSEE)	
Total third party funding acquired (as team member) for research projects 4.375.076 €				
01.05.2024 - 31.10.2028	Co-lecturer	European Social Fund (ESF) 2021- 2027	Excellence scholarships for doctoral students on topics of strategic relevance for South Tyrol (VIRTUS)	1.199.38 6 €
Total third party funding acquired (as team member) for teaching projects 1.199.386 €				
01.09.202 0 – 31.08.202 3	Member of the project team	ID Call 2020 unibz	Mastering the digital transformation in the family business: Getting ready for the Millennial generation (MASTERMIL)	173.000 €
01.10.202 1 - 31.03.202 5	Member of the project team	ID 2021 Call unibz	Towards sustainable viticulture: a case study on wines from resistant grape varieties in South Tyrol (SUWIR)	188.416 €
Total unibz funding acquired (as team member) for research projects 361.416 €				

**Publications** Guido Orzes is **author of 83 (190) SCOPUS (Google Scholar) listed publications**. According to SCOPUS (Google Scholar) his **H-Index is 36 (42)**, with a total number of citations of **5920 (10254)**.

**Publications list** (Especially significant publication are highlighted with a star (\*) in the left-hand margin)

#### **Books – Authored**

Matt D.T., Orzes G., Pedrini G., Huber A.M., Brunetti F., Bonfanti A., De Longhi A. (2019). *Erfolgreich Brücken in eine digitale Zukunft bauen*, Grafiche Baietta, Fumane (VR), ISBN 978-88-96419-80-9.

Matt D.T., Orzes G., Pedrini G., Huber A.M., Brunetti F., Bonfanti A., De Longhi A. (2019). *Costruire ponti verso il futuro digitale*, Grafiche Baietta, Fumane (VR), ISBN: 978-88-96419-79-3.

Sartor, G., Orzes, G. (2020). *La Gestione della Qualità. Strumenti, metodi e standard*. McGraw-Hill Education, ISBN: 978-88-38698-85-9.

## **Books – Edited**

Sartor M., Orzes G., Nassimbeni G. (edited by), (2018). Decision Sciences for the New Global Economy. 9th Annual EDSI Conference Proceedings.

Sartor M., Orzes G. (edited by), (2019). Quality Management: Tools, Methods and Standards, Emerald Publishing Limited, ISBN 9781787698048, DOI: 10.1108/9781787698017

Borgianni, Y., Matt, D. T., Molinaro, M., Orzes, G. (Eds.). (2023). Towards a smart, resilient and sustainable industry: proceedings of the 2nd international symposium on industrial engineering and automation ISIEA 2023 (Vol. 745). Springer Nature, DOI: 10.1007/978-3-031-38274-1.

## **Chapters in books**

Sartor M., Marmai A., Molfese R., Orzes G., 2014, "La certificazione etica d'impresa SA 8000", In: "La guida del Sole 24 ore alla Qualità", by M. Sartor, IISole24ORE, Milano, 2014, ISBN:9788863455885.

Orzes, G., Brozzi, R., Goldin, M., Matt, D.T., 2018, "Digitalisierungsstrategien: eine systematische Analyse der wissenschaftlichen Literatur und der EU-Projekte", In: KMU 4.0 - Digitale Transformation in kleinen und mittelständischen Unternehmen, GITO mbH Verlag

Orzes, G., Dal Bo, A., 2019, "Statistical Tools for Quality Management", In: M. Sartor, G. Orzes (eds.), "Quality Management: Tools, Methods and Standards", Emerald Publishing Limited.

Sartor, M., Orzes, G., Moras, E., 2019, "ISO 14001. In: M. Sartor, G. Orzes (eds.), "Quality Management: Tools, Methods and Standards", Emerald Publishing Limited.

Olivo, F., Orzes, G., 2019. "Process Mapping and Indicators", In: M. Sartor, G. Orzes (eds.), "Quality Management: Tools, Methods and Standards", Emerald Publishing Limited.

Sartor M., Orzes, G., 2019. "SA8000", In: M. Sartor, G. Orzes (eds.), "Quality Management: Tools, Methods and Standards", Emerald Publishing Limited.

Matt D.T., Orzes G., Pedrini G., Beltrami M., Rauch E., 2019. „Mensch and digitale Technologie: Eine Roadmap für die digitale Transformation einer Alpenregion", In: "Digitale Transformation - Gutes Arbeiten und Qualifizierung aktiv gestalten", Berlin: Gito Verlag, ISBN: 978-3-95545-309-1.

Orzes G., Poklemba R., Towner W.T. 2020. "Implementing Industry 4.0 in SMEs: A Focus Group Study on Organizational Requirements", In: D.T. Matt, V. Modrák, H. Zsifkovits (eds.), "Industry 4.0 for SMEs Challenges, Opportunities and Requirements", Springer Nature Switzerland, ISBN 978-3-030-25424-7.

Sauer, P. C., Orzes, G., & Davi, L. (2021). Toward SME 4.0: The Impact of Industry 4.0 Technologies on SMEs' Business Models. In *Implementing Industry 4.0 in SMEs* (pp. 293-343). Palgrave Macmillan, Cham.

Wan, L., Orzes, G., & Nassimbeni, G. (2024). Reconfiguring the Global Supply Chain: Reshoring. In *The Palgrave Handbook of Supply Chain Management* (pp. 873-897). Springer International Publishing, Cham.

**Journal Papers in refereed academic journals** (for articles as last or corresponding author the surname of prof. Orzes is reported in *italics*)

Sartor M., Orzes G., Nassimbeni G., Jia F., Lamming R., 2014, "International purchasing offices: Literature review and research directions", *Journal of Purchasing and Supply Management*, vol. 20, n. 1, pp. 1-17, DOI: 10.1016/j.pursup.2013.09.002 (AIIG 2020<sup>1</sup>: Silver).

Jia F., Lamming R., Sartor M., Orzes G., Nassimbeni G., 2014, "Global purchasing strategy and International Purchasing Offices: Evidence from case studies", *International Journal of Production Economics*, vol. 154, pp. 284-298, DOI: 10.1016/j.ijpe.2013.09.007 (AIIG 2020: Gold).

Jia F., Lamming R., Sartor M., Orzes G., Nassimbeni G., 2014, "International purchasing offices in China: A dynamic evolution model", *International Business Review*, vol. 23, n. 3, pp. 580-593, DOI: 10.1016/j.ibusrev.2013.09.006 (AIIG 2020: Gold).

Nassimbeni G., Sartor M., *Orzes G.*, 2014, "Countertrade: Compensatory Requests to Sell Abroad", *Journal for Global Business Advancement*, vol. 7, n. 1, pp. 69-87, DOI: 10.1504/JGBA.2014.058884.

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\* Ancarani, A., Di Mauro, C., Fratocchi, L., Orzes, G., Sartor, M., 2015, "Prior to reshoring: A duration analysis of foreign manufacturing ventures", *International Journal of Production Economics*, vol. 169, pp. 141-155, DOI: 10.1016/j.ijpe.2015.07.031 (AIIG 2020: Gold).

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Orzes G., Sartor M., Nassimbeni G., Fratocchi L., 2017, "Build-Operate-Transfer (BOT): An emerging entry mode for service offshoring", *Production Planning and Control*, Vol. 28, No. 4, pp. 295-309, DOI: 10.1080/09537287.2017.1282055 (AIIG 2020: Silver).

\* Orzes, G., Jia, F., Sartor, M., Nassimbeni, G., 2017, "Performance implications of SA8000 certification", *International Journal of Operations & Production Management*, 37(11), 1625-1653 (AIIG 2020: Gold).

\* Di Mauro, C., Fratocchi, L., Orzes, G., Sartor, M., 2018. "Offshoring and backshoring: A multiple case study analysis", *Journal of Purchasing and Supply Management*, 24 (2), 108-134 (AIIG 2020: Silver).

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<sup>1</sup> Ranking of the international journals developed by the Italian Association of Management Engineering: <https://www.ingegneriagestionale.it/associazione/attivita-ricerca/>. Five categories: GOLDSTAR, GOLD, SILVER, BRONZE, COPPER.

Orzes, G., Moretto, A. M., Ebrahimpour, M., Sartor, M., Moro, M., Rossi, M. (2018). United Nations Global Compact: Literature review and theory-based research agenda. *Journal of Cleaner Production*, 177, 633-654 (AIIG 2020: Silver).

Nassimbeni G., *Orzes G.*, Sartor M., 2018, "Strategic Types and Competences of Domestic and Foreign Plants: An Empirical Study", *Global Business Review*, 19 (4), 1-25 (AIIG 2020: Bronze).

Boffelli, A., Orzes, G., Dotti, S. (2018). "How to reshore": Some evidence from the apparel industry. *IEEE Engineering Management Review*, 46(4), 122-127, (AIIG 2020: Copper).

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\* Orzes, G., Moretto, A. M., Moro, M., Rossi, M., Sartor, M., Caniato, F., Nassimbeni, G. (2020). The Impact of the United Nations Global Compact on

firm performance: A longitudinal analysis. *International Journal of Production Economics*, 107664, DOI: 10.1016/j.ijpe.2020.107664 (AIIG 2020: Gold).

\* Brunetti, F., Matt, D. T., Bonfanti, A., De Longhi, A., Pedrini, G., Orzes, G. (2020). Digital transformation challenges: strategies emerging from a multi-stakeholder approach. *The TQM Journal*, DOI: 10.1108/TQM-12-2019-0309/full/html (AIIG 2020: Silver).

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Culot, G., Orzes, G., Sartor, M., Nassimbeni, G. (2020). The future of manufacturing: A Delphi-based scenario analysis on Industry 4.0. *Technological Forecasting and Social Change*, 157, 120092 (AIIG 2020: Gold).

\* Bai, C., Dallasega, P., Orzes, G., Sarkis, J. (2020). Industry 4.0 technologies assessment: A sustainability perspective. *International journal of production economics*, 229, 107776, DOI: 10.1016/j.ijpe.2020.107776, (AIIG 2020: Gold).

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\* Podrecca, M., Orzes, G., Sartor, M., Nassimbeni, G. (2021). The impact of

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<sup>2</sup> Ranking of the international journals developed by the Italian Association of Management Engineering: <https://www.ingegneriagestionale.it/associazione/attivita-ricerca/>. Five categories: GOLDSTAR, GOLD, SILVER, BRONZE, COPPER.



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### **Conference Papers (Indexed in Scopus\*)**

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Khan, N. A., Carabin, G., Nicolosi, F. F., Becce, L., Amin, S., Ali, A., Karaka, M., Orzes G., Mazzetto, F. (2024). Performance Evaluation of Two Commercial Proximal Sensors in Detecting Copper and Drought Stresses on Grapevine Under Controlled Environment. In *International Mid-Term Conference of the Italian Association of Agricultural Engineering* (pp. 739-745). Cham: Springer Nature Switzerland, DOI: 10.1007/978-3-031-84212-2\_91.

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\* Further conference proceedings articles (not Scopus-indexed) are listed in my Google Scholar profile available at this link:

[https://scholar.google.it/citations?hl=it&user=owhVLI4AAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.it/citations?hl=it&user=owhVLI4AAAAJ&view_op=list_works&sortby=pubdate).

### **Other publications**

Orzes G., 2013, "L'internazionalizzazione degli approvvigionamenti: Il ruolo degli International Purchasing Offices", PhD Expo 2013, University of Udine, 27th June 2013.

Orzes G., 2014, "Il backshoring manifatturiero nei processi di internazionalizzazione", PhD Expo 2013, University of Udine, 16th June 2014.

Fratocchi L., Ancarani A., Barbieri P., Di Mauro C., Nassimbeni G., Sartor M., Vignoli M., Zanoni A., "Tempo di reshoring manifatturiero, direttrici geografiche e motivazioni", *Sistema & Impresa*, Gennaio/Febbraio 2017, pp. 86-92.

Orzes G., Sarkis J., 2019, "Reshoring and environmental sustainability: An unexplored relationship?", *Resources, Conservation and Recycling*, 141, 481-482, DOI: DOI: 10.1016/j.resconrec.2018.11.004, Research Note

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Habicher, D., Gigante, S., Kofler, I., Altavilla, S., Babich, F., Bonelli, L., Borgianni, Y., Ibeas I.L., Nezzi C., Orzes, G., Ricciuti, S., Ruiz-Pastor, L.M., Torresin, S., Von Miller V., (2022). Report di progetto Tiny FOP MOB: un real world laboratory in legno e canapa in viaggio attraverso la Val Venosta; l'impegno comune di scienza e società per sviluppare soluzioni sostenibili. Eurac Research, <https://hdl.handle.net/10863/24068>.

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Vos, J., Alessandrini, M., Trevisan, M., Pii, Y., Mazzetto, F., Orzes, G., Cesco, S.

(2025). One Health approach: Addressing data challenges and unresolved questions in agriculture. *Science of The Total Environment*, 977, 179312, DOI: 10.1016/j.scitotenv.2025.179312, (AiIG 2022: Silver) (research note).

**Further data      Presentations at at scientific conferences over past 3 years (invited, selected, or keynote)**

- **Presentation** entitled "Trajectories and Future Prospect of Electric Vehicles in Mountain Logistics" at the **15th EDSI Annual Conference** - Decision Making facing economic, environmental and social changes, Gothenburg, Sweden, June 1-4, 2025 (abstract and oral presentation)
- **Invited presentation** entitled "Digitalization of manufacturing: sustainability benefits and issues" within the **PRICE Seminar: Progress in Innovation, Competition, Entrepreneurship** initiative of the **ZEW – Leibniz Centre for European Economic Research**, Mannheim, Germany, 29th April 2025.
- **Presentation** entitled "Industry 4.0 impact on sustainability performance: Evidence from the Italian mechanical and machinery sectors" at the **4th Euroma CEE research network workshop & 17th EPIEM Conference 2024**, October 2<sup>nd</sup> – 4<sup>th</sup> 2024 (extended abstract and oral presentation).
- **Presentation** entitled "Digital Platforms for Sustainable Supply Chains: Empirical Evidence and Theoretical Implications" at the **International Purchasing and Supply Education and Research Association**, held in Rio De Janeiro (Brasil) from March 24th-27th **2024** (competitive paper and oral presentation).
- **Invited presentation** entitled "Sostenibilità delle aziende: linee guida, standard, certificazioni e rating" within the **workshop Certificazioni e standards per la "misurazione" della sostenibilità delle attività economiche** organized by the Free University of Bozen-Bolzano, 19th May 2023.
- **Invited presentation** entitled "Education & Lifelong Learning in the frame of iNEST: UNIBZ" at the **seminar "Education & Life-Long Learning"** that took place in Padova (Italy) (30th March **2023**). The seminar was attended by around 30 professors from the 9 universities located in North-East Italy.
- **Invited presentation** entitled "Il ruolo della certificazione BCorp in tempi di incertezza" **within the workshop L'introduzione di pratiche di sostenibilità nella strategia delle imprese in Alto Adige** organized by the Free University of Bozen-Bolzano, 14th December 2023.
- **Keynote speech** entitled "Supply chain databases: opportunities and methodological issues" **within the OMIS (Operations Management and Information Systems) Research Seminar Serie of the University of Nottingham (UK)**. The keynote focused on the main supply chain databases (Bloomberg SPLC, FactSet Supply Chain Relationships, and Mergent Supply Chain) and illustrated the challenges of their adoption for Supply Chain Management research purposes (8<sup>th</sup> Marh **2023**). The main audience was composed by PhD students and researchers of the University of Nottingham.
- **Presentation** entitled of "Blockchain for supply chain traceability/trackability: a contingent perspective on emerging setups and their evolution" at the **XXXIII AiIG Scientific Meeting**, Rome, October 21st-22nd 2022 (full paper and oral presentation).

- Entrepreneurship**
- **Coordinator of the unibz working group that organized, in cooperation with the NOI Techpark, the Student & Company Sprint 2022, 2024 and 2025 editions**, an entrepreneurial course offered to all interested unibz students. During the programme students worked on real-world challenges proposed by leading South Tyrolean companies using the Google Design Sprint methodology. Some of the ideas developed by students during this programme have been adopted by the companies, while others are still under further study and analysis (with potential for a patent or a new product).
  - Prof. Orzes **involved in various applied research / technology transfer projects** carried out in cooperation with leading companies (for more detail please see the table reported in the section "Research projects and scholarships").
  - **Moderator of a group work activity within the workshop "Entrepreneurs and start-ups"**, aimed to foster unibz engagement (students, PhD students and professors) in the field of entrepreneurship and start-ups (08.05.2025).
- Awards for the scientific activities**
- Inclusion in the **2025 Stanford University's list of "World's Top 2%" scientists** (with a rank in the subfield "Business & Management" of 1963 out of 62666 authors worldwide).
  - Inclusion in the **Top Italian Scientists List for the Engineering** (economic managerial engineering) subject Area (<https://www.topitalianscientists.org/search-top-italian-scientists>) since **2024**.
  - **Best Paper Award** at the annual conference of the "**International Purchasing and Supply Education and Research Association**", held in Rio De Janeiro (Brasil) from March 24th-27th **2024**. The paper "Digital Platforms for Sustainable Supply Chains: Empirical Evidence and Theoretical Implications" (authors: Culot G., Nassimbeni G., Orzes G., Sartor M.).
  - The **presentation** "Introduction of disease-resistant/tolerant grape varieties for sustainable winemaking, enhanced occupational health, and addressing climate change" (authors: Boselli E., Viganò F., Orzes G., Cesco S., Longo E., Ceci A.T., Duley G., Piccoli A., Sacco P.), **was selected as one of the top 12 contributions for further dissemination activities** within the Climed-Fruit project.
  - **Top Cited Article Award of the Journal of Supply Chain Management (JSCM) for the period 2022-2023** with the paper "Using supply chain databases in academic research: A methodological critique" (authors: Culot G., Podrecca M., Nassimbeni G., Orzes G., Sartor M.). JSCM is the top-journal in the field of Operations & Supply Chain Management worldwide.
  - **Top Downloaded Article Award of the Journal of Supply Chain Management (JSCM)** with the paper "Using supply chain databases in academic research: A methodological critique" (authors: Culot G., Podrecca M., Nassimbeni G., Orzes G., Sartor M.).
  - **"DSI Chapter Best Paper Presentation Award - Finalist"** for recognition of outstanding achievement at the Decision Sciences Institute 2023 Annual Conference for the paper titled "Effectiveness of Firm-level Sustainability Policies: A Systematic Literature Review" (authors: Zecchillo N., Molinaro M., Orzes G.).

- **Best Student Paper Award at the 2020 DSI Annual Conference** with the paper "Are Corporate Social Responsibility Initiatives Worth Having? Empirical Evidences From SA 8000 Decertification" (Podrecca M., Orzes G., Sartor M., Nassimbeni).
- **Runner-up for the best paper award at the 10th Annual European Decision Sciences Conference (2019)** with the paper "Industry 4.0 and sustainability: A systematic literature review, In: "Decision Sciences in a connected world" (Beltrami M., Orzes G)
- **Runner-up for the 2018 IPSERA best paper award with the paper "Reshoring: Does home country matter?"** (Wan L., Orzes G., Sartor M., Nassimbeni)
- **2017 Chris Voss Best Paper Award at the 24th European Operations Management Association (EurOMA) conference** with the paper "Entry modes in reshoring strategies: An empirical analysis" (Wan L., Orzes G., Sartor M., Di Mauro C., Nassimbeni G.)
- **Dean's award "for the Best performance in the scientific production indexed in Scopus/Web of Science for the year 2017** in the research area Industrial Engineering and Automation" of the Faculty of Science and Technology (Free University of Bozen-Bolzano)
- **2015 Chris Voss Highly Commended Award at the 22nd European Operations Management Association (EurOMA) conference** with the paper "Does social accountability pay off? An empirical investigation on the performance impact of SA8000" (Orzes G., Jia F., Sartor M., Nassimbeni G.)

**Language competence**

**Italian**  
**English**

**Deutsch**

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Mother tongue				
C1	C1	C1	C1	C1
Cambridge Certificate in Advanced English (mark: 189)				
B2	B2	B2	B2	B2
Telc Deutsch B2 Zertifikat				

[Common European Framework of Reference for Languages](#)

Bozen-Bolzano, 1<sup>st</sup> February 2026