

University Academic Curriculum Vitae

Personal information

Prof. Dr. Guido Orzes
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Education since leaving school

- 2015, Doctor of Philosophy in Industrial Sciences and Information Technologies (Excellent), Università degli Studi di Udine
- 2013, Culture della Materia (Expert) in the field of Management Engineering (2013 - present), 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

- Associate Professor in Management Engineering (Habilitation as Full Professor in Management Engineering valid from 04/05/2021 to 04/05/2030)
- Starting date: 01.02.2021
- Free University of Bozen-Bolzano (Italy)
- Activities and responsibilities:
 - Research in the following three main areas: management and implementation of Industry 4.0 and smart technologies (both in the industrial and in the agricultural context); global operations management (offshoring and reshoring); sustainability and circular economy
 - Responsibility and lecturing of the following courses: "Economics for Engineers" (Bachelor Degree in Industrial Mechanical Engineering), "Process and Technology Management" and "Management Control and Business Planning" (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)

Professional experience

From / to	Job title	Name of academic Institution	Academic level	Responsibilities
Feb. 2018 – Jan. 2021	Assistant Professor ("Riccatore 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 fo 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 Ja 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
Feb. 2011	External collaborator	Università degli Studi di Udine	Undergraduate and post-graduate	Conceptual and graphic editing for a publication in the Innovation Management field (in English) Revision of the drafts of the text

Experience in academic teaching

Courses, modules, and lectures taught during the last 5 years

- Responsible and teacher of the course (60 out of 60 hours) “Economics for Engineers” (6 CFU) and the associated (“mutuato”) course “Introduction to Business Management” (6 CFU), Bachelor in Industrial Mechanical Engineering, Free University of Bolzano, Teaching language: English. 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022. Evaluation by students: *“Are you generally satisfied with the way this course was taught?”*

- AY 2021-2022 (Economics for Engineers): 94% Generally Yes + Definitely Yes
- AY 2020-2021 (Economics for Engineers): 100% Generally Yes + Definitely Yes
- AY 2019-2020 (Economics for Engineers): 100% Generally Yes + Definitely Yes
- AY 2018-2019 (Economics for Engineers): 92% Generally Yes + Definitely Yes
- AY 2018-2019 (Introduction to business management): 100% Generally Yes + Definitely Yes
- AY 2017-2018: 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 module "Industrial Accounting" (5CFU) and "Management Control and Business Planning" (5CFU), Master in Industrial Mechanical Engineering, Free University of Bolzano & Otto-von Guericke-Universität Magdeburg (double degree), Teaching language: English. 2017-2018, 2018-2019, 2019-2020, 2020-2021. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*
 - AY 2020-2021: 100% Generally Yes + Definitely Yes
 - AY 2019-2020: 100% Generally Yes + Definitely Yes
 - AY 2018-2019: 100% Generally Yes + Definitely Yes
 - AY 2017-2018: 100% Generally Yes + Definitely Yes
 - Responsible and teacher of the course (46 out of 46 hours) "Process and Technology Management (5 CFU), Master in Industrial Mechanical Engineering, Free University of Bolzano & Otto-von Guericke-Universität Magdeburg (double degree), Teaching language: English. AY 2021-2022. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*
 - AY 2021-2022: 95% Generally Yes + Definitely Yes
 - Responsible and teacher of the course (16 out of 48 hours) "Process and Technology Management (5 CFU), Master in Industrial Mechanical Engineering, Free University of Bolzano & Otto-von Guericke-Universität Magdeburg (double degree), Teaching language: English. AY 2021-2022. Evaluation by students: *"Are you generally satisfied with the way this course was taught?"*
 - AY 2021-2022: 100% Generally Yes + Definitely Yes
 - Co-responsible, teacher and co-organizer of the Erasmus+ Blended Intensive Programme "Digital Manufacturing: Technologies and Management". The programme involved 25 students and 8 professors from 5 universities (and 3 EU countries), AY 2021-22.
 - 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 module "Process Management" (12 hours) in the Lifelong Learning Programme (Master di I livello) in "Human Resource Management", University of Udine, Teaching language: Italian. 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022.
 - Contract professor of the module "Process Design" (8 hours) in the Executive Master in Business Administration, University of Udine, Teaching language: Italian. AY 2021-2022.
 - Contract professor of the seminar "Process RFX-to-contract and

competitive bidding" (4 hours) in the Lifelong Learning Programme "Job Leader Procurement", CUA Business School, Teaching language: Italian. AY 2019-2020, 2020-2021, 2021-2022.

- Member of the PhD Council of the PhD "Sustainable Energy and Technologies" (since XXXIII cycle) of the Free University of Bozen.
- Mentor for the topic "Operations and Supply Chain" at the school for PhD Students organized the Scientific Association AiG - Associazione Italiana Ingegneria Gestionale <http://www.scuolaestivaaiig.it/2017/>

Other teaching related experiences:

- Coordinator / responsible of the scientific sector ING-IND/35 (Management Engineering) at the Free University of Bozen-Bolzano since October 2016.
- Reference Professor "Docente di riferimento" for the bachelor L-9 "Industrial Mechanical Engineering" in AY 2017-18
- Reference Professor "Docente di riferimento" for the master LM-33 "Industrial Mechanical Engineering" in AY 2018-19, 2019-20, 2020-21, 2021-22
- Member of the Quality Assurance (AQ) group of the bachelor L-9 "Industrial Mechanical Engineering" in AY 2018-19, 2019-20, 2020-21, 2021-22
- Member of the Quality Assurance (AQ) group of the master LM-33 "Industrial Mechanical Engineering" in 2018-19, 2019-20, 2020-21, 2021-22
- Tutor of the master LM-33 "Industrial Mechanical Engineering" AY 2017-18 and 2019-20
- Supervisor (or co-supervisor) of three PhD students: i.e., Mirjam Beltrami (unibz), Ahmed Hmouda (unibz), and Beatrice Santos (University of Beira Interior). Topics: Industry 4.0 and sustainability, sustainability in energy sector.
- Supervisor of nine master theses at the Free University of Bozen-Bolzano. Titles of the theses: "The digitalization of South Tyrol: an empirical analysis", "An advanced assessment framework for the evaluation of Circular Economy performance", "Key Performance Indicators to measure environmental sustainability. A food supply chain case study", "An assessment model to evaluate the readiness for digital business models", "A sand cone model of sustainability: A secondary analysis", "The effects of the COVID-19 epidemic on global supply chains: a multiple case study", "Blockchain technology adoption in operations and supply chain management", "Effects of Sustainability Courses on waste separation knowledge and behaviour" (University of Innsbruck), "Re-thinking Logistics Flows: A Case Study of the Specialty Vehicles Industry", "ISO 45001: literature review and empirical evidence".
- Supervisor or co-supervisor of five bachelor theses at the Free University of Bozen-Bolzano. Titles of the theses: "Industry 4.0: Implementation barriers in Small and Medium Enterprises", "The relationship between Internet of Things and sustainability: a patent analysis", "Impatto dell'industria 4.0 sull'organizzazione del lavoro", "Business Model Innovation through Industry 4.0 in SMEs", "Sustainability Plattformen".
- Academic supervisor of four curricular internships at the Free University

of Bolzano.

- Co-supervisor of 13 Bachelor's theses in Industrial and Information Management Engineering at the University of Udine. Topics: global sourcing, ISO14001, Failure Mode and Effects Analysis, lean and agile manufacturing, ISO26000, organizational legitimacy, reshoring.
- Co-supervisor of 9 Master's theses in Management Engineering at the University of Udine and Polytechnic University of Milan. Topics: global sourcing, reshoring, build-operate-transfer in service offshoring, Failure Mode and Effects Analysis, ISO 14001, SA8000, United Nations Global Compact.
- 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) in AY 2017-18, AY 2018-19, AY 2019-20, AY 2020-21, AY 2021-22.
- Member of the commission for the final PhD exam of the PhD Sustainable Energies and Technologies (unibz) in AY 2018-19.
- Member of the commission for the final thesis exam of the Master Degree in Industrial Mechanical Engineering (LM-33) in AY 2017-18, 2018-19, 2019-2020, 2020-2021.
- 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 8th to 12th March 2021.
- Member of the commission for the final PhD exam of Aalto University (Finland) in AY 2021-22.
- Member of the commission for the final PhD exam in Management Engineering at the University of Padova in AY 2021-22.

Innovative and online teaching methods

- In the course "Economics for Engineers" I used an online business game ("The Business Game") in which the students were asked to virtually manage a company producing washing machines and tumble dryers and compete with their colleagues. The "best" students were then invited to take part to the semi-finals in which they competed with other engineering students of various Italian Universities.
- I co-edited the textbook Quality Management: Tools, Methods and Standards (DOI: 10.1108/9781787698017), published by Emerald
- I taught the course "Economics for Engineers" in AY 2019-20 also in streaming with the Brunico Campus of unibz.
- For all the courses that I taught I used the unibz OLE system to upload the teaching material (both mandatory and supplementary).
- In the AY 2020-21 and 2021-22, I taught the courses "Economics for Engineers" and "Industrial Accounting and Management" both in presence and in streaming (also recording the lessons and making them available to the students).

Other academic responsibilities

Organization and coordination of the Management Engineering (ING-IND/35) research group at unibz

- Supervision (or co-supervision) of the following positions:
 - 1 RTD: Dr. Philipp Sauer
 - 4 AR: Dr. Giulio Pedrini (currently RTD at University of Enna Kore),

Dr. Margherita Molinaro (currently AR at University of Udine), Dr. Marcos Dieste, and Chiara Nezzi

- 2 PhD Students unibz: Mirjam Beltrami and Ahmed Mohamed Omar Hmouda
- 3 visiting PhD Students from other universities: Beatrice Santos (University of Beira Interior, Portugal), Maria Pia Ciano (Università LIUC Carlo Cattaneo), Ieva Cataldo (Vilnius Gediminas Technical University, Lithuania)

Organization of national and international conferences and events

Co-chair of the International Conference "9th Annual Conference of the European Decision Sciences Institute (EDSI 2018)" that took place in Udine and Venice from 3rd to 6th June 2018. The topic of the conference was "Decision Sciences for the New Global Economy". The conference was co-organized/co-hosted by unibz. The conference was attended by more than 100 scholars from all over the world.

Member of the scientific committee of the 26th EurOMA Conference "Operations adding value to society", that took place in Helsinki (Finland) from 17th to 19th June 2019.

Member of the scientific committee of the 10th Annual Conference of the European Decision Sciences Institute (EDSI 2019) that took place in Nottingham (UK) from 2nd to 5th June 2019.

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.

Member of the scientific committee of the 27th EurOMA Conference "Managing Operations for Impact", that took place in Warwick (UK) from 28th to 30th June 2020

Member of the scientific committee of the 11th Annual Conference of the European Decision Sciences Institute (EDSI 2021) that took place online in May 2021.

Member of the scientific committee of the 28th EurOMA Conference that took place online from 5th to 7th July 2021.

Member of the scientific committee of the 6th P&OM World Conference "P&OM and Strategy in the Era of Technological Revolution", that will take place in Nara (Japan) from 23rd to 26th August 2022.

Member of the scientific committee of the IPSERA 2022 Conference that took place in Jönköping (Sweden) from 10th to 14th April 2022.

Member of the scientific committee of the 12th Annual Conference of the European Decision Sciences Institute (EDSI 2022) that will take place in Dublin (Ireland) from 29th May to 1st June 2022.

Member of the scientific committee of the 29th EurOMA Conference that will take place online from 1st to 6th July 2022.

Organization of local conferences and events

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.

<https://www.unibz.it/en/events/131862-operations-and-supply-chain-management-workshop>

Co-organizer of the Industry 4.0 and sustainability - seminar and workshop at the Free University of Bozen-Bolzano on 21 June 2019

<https://www.unibz.it/events/132131-industry-4-0-and-sustainability-seminar-and-workshop>

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).

<https://www.unibz.it/it/events/131769-series-of-lectures-at-unibz-pushing-buyer-supplier-collaboration-to-the-next-level>

<https://www.unibz.it/it/events/131770-series-of-lectures-at-unibz-best-practices-for-publishing>

<https://www.unibz.it/events/134129-series-of-lectures-at-unibz-technology-management-in-manufacturing>

<https://www.unibz.it/events/129894-series-of-lectures-at-unibz-reshoring-of-production-and-digital-manufacturing-technologies>

<https://www.unibz.it/de/events/123318-series-of-lectures-at-unibz-approccio-all-azienda-istruzioni-per-l-uso>

Co-organizer of the event “General Meeting of the Südtiroler Wirtschaftsring - Economia Alto Adige & Stakeholder Event of the Interreg A21Digital Tyro Veneto” that took place at Noi Techpark on 20th September 2019. The event was organized together with the industrial 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=vsFlibvJr2Y&t=17s>.

Other responsibilities

Participation to the coordination (together with Prof. Gasparella) of the working group for the Accreditation of the Bachelor Degree in Industrial Mechanical Engineering (L-9) and the Master Degree in Energy Engineering (LM-30). The working group was in charge of the preparing all the documents for the accreditation and organizing and managing the visit of the experts that carried out the evaluation. The visit took place in May 2018 and both courses obtained the accreditation. A subsequent review visit took then place in March 2022.

Responsible for the Erasmus+ agreements with KU Leuven (Belgium) and University of Antwerp (Belgium).

Support to the Dean and Vice Deans of the Faculty of Science and Technology in the design and implementation of the different quality assurance procedures.

Participant as expert at “I summit Accademici di CUOA Business School - Imprese, Università e Business School”, 16th-17th September 2021, CUOA Business School, Altavilla Vicentina (VI), Italy.

Participant at the 9th ICA (Association for European Life Science Universities) Rectors and Deans Forum 2019 (together with the Dean of the Faculty of Science and Technology) that took place in Beauvais from 23rd to

25th October 2019.

Participant at the 2018 ICA (Association for European Life Science Universities) Rectors and Deans Forum (together with the Dean of the Faculty of Science and Technology) that took place in Wageningen from 24th to 26th October 2018.

Participant as expert (esperto accreditato) at G7 UNIVERSIY "Education for all", 29th and 30th June 2017, Udine, Italy.

Participant at the CEDIA-ICA Conference 2017 (together with the Dean of the Faculty of Science and Technology), "Defining Agronomists Professional Profiles and Agricultural and Life Science Study Programmes", 4th - 5th May 2017, Vienna, Austria.

Member of the Scientific Committee – as representative of unibz – of the CUOA Business School.

Reference person at unibz for the project of the reference scientific association of the sector ING-IND/35 (Associazione Italiana Ingegneria Gestionale) which allows the sharing of the courses for PhD students of different universities.

Cooperation in the Internationalization of the Degree in Management Engineering of the University of Udine, in particular through the development of a Double Degree program between the University of Udine and the University of Klagenfurt (Austria) .

Editorial responsibilities

Associate Editor of the Journal of Purchasing and Supply Management (AIIG 2018: GOLD, AIIG¹ 2020: SILVER, ISI/WOS: Q2, Scopus: Q1)

<https://www.journals.elsevier.com/journal-of-purchasing-and-supply-management/editorial-board>

Consulting Editor of the International Journal of Management Reviews

<https://onlinelibrary.wiley.com/page/journal/14682370/homepage/editorialboard.html>

Member of the Editorial Review Board of the International Journal of Operations and Production Management (AIIG 2020: GOLD, ISI/WOS: Q1, Scopus: Q1).

https://www.emeraldgrouppublishing.com/products/journals/editorial_team.htm?id=ijopm

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 (AIIG 2020: GOLD, ISI/WOS: Q1, Scopus: Q1).

https://www.emeraldgrouppublishing.com/products/journals/call_for_papers.htm?id=8055

Reviewer for the following international journals:

- International Journal of Operations and Production Management (AIIG 2020: GOLD, ISI/WOS: Q1, Scopus: Q1)

¹ Ranking of the international journals developed by the Italian Association of Management Engineering: <https://www.ingegneriagestionale.it/ricerca/classificazione-delle-riviste-rilevanti-aiig/>. Five categories: GOLDSTAR, GOLD, SILVER, BRONZE, COPPER.

- Journal of Purchasing and Supply Management (AIIG 2018: GOLD, AIIG 2020: SILVER, ISI/WOS: Q2, 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)
- Computers and Industrial Engineering (AIIG 2018: SILVER, AIIG2020: BRONZE, ISI/WOS: Q1, Scopus: Q1)
- Operations Management Research (AIIG 2018: BRONZE, AIIG 2020: Silver, 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".

Other third mission activities

- Coordinator of the unibz working group that design and organized in cooperation with the NOI Techpark the Open Innovation Challenge Student & Company Sprint (<https://noi.bz.it/en/students-company-sprint>). 30 students from the five unibz faculties worked for five days at real-life problems of three South Tyrolean companies (VOG products, Markas and Vivius), following the Google Design Sprint Methodology, and presented their ideas and solutions at the end. The event was financed by the European Social Fund.
- 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 industrial 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=vsFlibvJr2Y&t=17s>.
- Invited presentation and moderation of the workshop "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>
- Invited presentation entitled "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>

- Invited presentation entitled “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/>
- 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
- 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).
- Invited keynote speaker at the roundtable “The impact of Industry 4.0 on the supply chain” of the conference Negotiorum fucina organized by the Italian Association of Purchasing Managers (ADACI).

Memberships

- Member of the following scientific associations:
 - IPSERA - International Purchasing and Supply Education and Research Association
 - EurOMA - European Operations Management Association
 - EDSI – European Decision Science Institute
 - AiIG - Associazione Italiana Ingegneria Gestionale
- President-Elect of the international scientific Association European Decision Sciences Institute since 2021 (from 2018 to 2021 I was also member of the board with other roles, i.e., Secretary General, Treasurer, Information Officer).

Research projects and scholarships

Period	Award Holder(s)	Funding Body	Title	Amount received
January 2021	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 euro
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 €
01.03.2018 -	Co-investigator of unibz team (the	Interreg Italia-	A21Digital Tyrol Veneto	300938 €

31.12.2019	unibz team is responsible for the scientific activities of the project)	Austria		
2018-2020	Member of the team Organizing and holding some seminars for companies and high school teachers	Interreg Italia-Austria	E-EDU 4.0 – Engineering Education 4.0	115000 €
01.01.2016 - 31.12.2019	Member of the team Leader of the WP5.2 (Analysis of organizational requirements in smart SMEs) and WP 8.2 (Organization and network models for smart SMEs) Unibz responsible for the communication and dissemination activities (WP 2)	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)	783000 €
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	5000 €
01/09/2020 - 31/08/2023	Member of the team	ID Call 2020 – unibz	Mastering the digital transformation in the family business: Getting ready for the Millennial generation (MASTERMIL)	173000 €
01/10/2021 - 30/09/2024	Member of the team	ID Call 2021 – unibz	Towards sustainable viticulture: a case study on wines from resistant grape varieties in South Tyrol (SUWIR)	188416 €
Jan 2016 – now	Member of the team	European Union agency	European Reshoring Monitor	114500 €

	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).	EUROFOUND		
July 2014 – Nov. 2014	Dr. Guido Orzes	Lucmar sas	Research contract (“prestazione occasionale”) for collecting data through interviews on the reshoring phenomenon in the footwear industry in Italy.	1500 €
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., development of scientific/commercial proposal, data analysis, reporting).	//	Twenty studies/researches funded through agreements/contracts between leading firms (such as Automotive Lighting, Brovedani Group, Banca Popolare di Cividale, UNIQA protezione, Friul Intagli Industries) and the University of Udine.	> 80000 €

In addition to the aforementioned projects, I have been involved (and/or I am currently involved) in many research projects in collaboration with leading institutions in Italy and worldwide, including:

- Prof. Joseph (Joe) Sarkis, School of Business, Worcester Polytechnic Institute (WPI), USA
- Prof. Fu Jia, University of York, UK
- Prof. Maling Ebrahimpour, University of Rhode Island, USA
- Prof. Lenny Koh, University of Sheffield, United Kingdom
- Prof. Lujie Chen, International Business School Suzhou, Xi'an Jiaotong-Liverpool University, China
- Dott. Ssa Yang Yang, Xiamen University, China
- Prof. Anne Touboulic, Business School, University of Nottingham, UK

- Dr. Slavomir Bednar, Dr. Robert Poklemba, Technical University of Kosice, Slovakia
- Dr. John Hurley, Tripartite European Union Agency Eurofound, Ireland
- Prof. Tobias Schoenherr, Eli Broad College of Business, Michigan State University, USA
- Prof. Federico Caniato and Dr. Antonella Moretto, Politecnico di Milano
- Prof. Guido Nassimbeni and Prof. Marco Sartor, Università degli Studi di Udine
- Prof. Carmela Di Mauro and prof. Alessandro Ancarani, Università degli Studi di Catania
- Prof. Luciano Fratocchi, Università degli Studi Dell'Aquila.
- Prof. Ruggero Golini, Dr. Albachiaro Boffelli e Dr. Stefano Dotti Università degli Studi di Bergamo
- Dr. Luca Fraccascia, Università La Sapienza di Roma
- Dr. Piera Centobelli Università Federico II di Napoli
- Dr. Paolo Barbieri, Università di Bologna

Publications

Bibliometric indicators

	Prof. Orzes	Parameter for the National (Italian) Habilitation as Full Professor – Sector 09/B3
Number of journal papers (last 10 years)	41	14
Number of citations (last 15 years)	1257	280
H Index (last 15 years)	21	8

Books

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Sartor, ISole24ORE, Milano, 2014, ISBN:9788863455885.

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² Ranking of the international journals developed by the Italian Association of Management Engineering: <https://www.ingegneriagestionale.it/ricerca/classificazione-delle-riviste-rilevanti-aiig/>. Five categories: GOLDSTAR, GOLD, SILVER, BRONZE, COPPER.

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Culot G., Orzes G., Sartor M., Nassimbeni G., 2021, "Information sharing in the digital context: Evidence from the automotive extended supply chain", Proceedings of the 10th Annual European Decision Sciences Conference".

Dieste M., Orzes G., Culot G., Sartor M., Nassimbeni G., 2022, "The "dark side" of Industry 4.0: How to make technology more sustainable?", Proceedings of the 9th EurOMA Sustainability Forum.

Sauer P.C., Orzes G., Culot G., Nassimbeni G., 2022, "Supply chain applications of the blockchain technology: a contingency approach", Proceedings of IPSERA 2022.

Papers in national conferences proceedings (peer-reviewed)

Sartor M., Orzes G., Nassimbeni G., Lamming R., Jia F., 2012, "Roles, capabilities and critical success factors of International Purchasing Offices in China", In: "Capitale Umano, Creatività e Innovazione", XXIII RSA AiIG 2012, Università degli Studi della Basilicata, Edited by Schiuma G., Matera.

Orzes G., 2012, "International Purchasing Offices: an empirical research", Conferenza di Dottorato. Presentazione dell'attività di Dottorato di Ricerca in Ingegneria Industriale e dell'Informazione 2012, Udine, December 20th 2012 (abstract).

Orzes G., 2013, "International Purchasing Offices: an empirical research", 2013 PhD Conference in Industrial Sciences and Information Technologies, Udine, June 27th 2013 (abstract).

Nassimbeni G., Sartor M., Orzes G., 2013, "Domestic vs. foreign plants: an empirical investigation", Proceeding of the XXIV Conference of the Italian Association of Management Engineering, Milan, October 17th to 18th 2013.

Orzes G., 2014, "International Purchasing Offices: an empirical research", 2014 PhD Conference in Industrial Sciences and Information Technologies, Udine, June 26th 2014 (abstract).

Ancarani, A., Di Mauro, C., Fratocchi, L., Orzes, G., Sartor, M., 2015, "A survival analysis of offshore initiatives", Proceeding of the XXVI Conference of the Italian Association of Management Engineering, Vicenza, October 15th to 16th 2015.

Di Mauro, C., Fratocchi, L., Orzes, G., Sartor, M., 2016, "Dall'off-shoring al reshoring manifatturiero: alcune evidenze da quattro casi di piccole imprese italiane", XIII Workshop cMET - Ricerca economica e politiche. Studi, analisi e progetti per lo sviluppo economico e sociale, Napoli, June 15th to 16th 2016.

Orzes G., Jia F., Sartor M., Nassimbeni G., 2016, "The effects of the ethical certification SA8000 on firm performances: A secondary data analysis", XXVII Conference of the Italian Association of Management Engineering, Bergamo, October 13th to 14th 2016.

Wan L., Orzes G., Sartor M., Di Mauro C., Nassimbeni G., 2017, "Entry modes in reshoring strategies: An empirical analysis", XXVIII Conference of the Italian Association of Management Engineering, Bari, October 19th to 20th 2017.

Culot, G., Nassimbeni, G., Orzes, G., Sartor, M., 2018, "Industry 4.0: ambiguities and limitations of current definitions", In: The challenge of management engineering in a changing manufacturing world. Proceedings of the XXIX Annual Conference of the Italian Association of Management Engineering.

Boffelli, A., Golini, R., Orzes, G., Dotti, S., 2018, "Reshoring decision-making and implementation: A multiple-case study", In: The challenge of management engineering in a changing manufacturing world. Proceedings of the XXIX Annual Conference of the Italian Association of Management Engineering.

Wan, L., Orzes, G., Sartor, M., Nassimbeni, G., 2018, "Reshoring: Does home country matter?", In: The challenge of management engineering in a changing manufacturing world. Proceedings of the XXIX Annual Conference of the Italian Association of Management Engineering.

Culot G., Nassimbeni G., Orzes G., Sartor M., 2019, "Manufacturing value chains 4.0: a Delphi-based scenario analysis" In: The challenges ahead: work, technological change and the organizations of the future. Proceedings of the XXX Annual Conference of the Italian Association of Management Engineering.

Beltrami M., Orzes G., Centobelli P., Fraccascia L., 2021, "Industry 4.0 and sustainability: A multiple case study analysis in the food industry", In: Rethinking Sustainability and Resilience after the Covid-19 pandemic. Developing research and education in Management Engineering. Proceedings of the XXXII Annual Conference of the Italian Association of Management Engineering.

Culot G., Orzes G., Sartor M., Nassimbeni G., 2021, "The data sharing dilemma: evidence from the extended automotive supply network and theoretical implications", In: Rethinking Sustainability and Resilience after the Covid-19 pandemic. Developing research and education in Management Engineering. Proceedings of the XXXII Annual Conference of the Italian Association of Management Engineering.

Molinaro M., Orzes G., Sartor M., Nassimbeni G., 2021, "A sand cone model of sustainability performance", In: Rethinking Sustainability and Resilience after the Covid-19 pandemic. Developing research and education in Management Engineering. Proceedings of the XXXII Annual Conference of the Italian Association of Management Engineering.

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.

Orzes G., 2015, "International Purchasing Offices: an empirical research", Unpublished doctoral dissertation, University of Udine, Udine, 8th April 2015, available at: <http://hdl.handle.net/10990/573>.

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

Nassimbeni G., Sartor M., Wan L., Ancarani A., Di Mauro C., Mascali F., Barbieri P., Di Stefano C., Fratocchi L., Iapadre L., Orzes G. (2019). Future of manufacturing in Europe. Reshoring in Europe: Overview 2015–2018, Publications Office of the European Union, Luxembourg, DOI: 10.2806/610125, ISBN: 978-92-897-1837-0.

Linati G., de Carolis A., Dainese C., Myers J., Orzes G., Pezzi A., Seutter S., Mahmoud Diab A., Knüttel D., Sarmiento F., 2021, "Glocalisation in Manufacturing: Redesigning Supply Chains", White Paper of the World Manufacturing Forum, available at: https://worldmanufacturing.org/wp-content/uploads/09_Linati-1.pdf

Further data

Invited presentations at international conferences or workshops (last 3 years)

Invited presentation and moderation of the workshop "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

Invited presentation entitled "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.

Invited as external expert at the workshop of the research project "NEXT-NET", aimed at proposing an agenda for future European supply chains / value chains. The workshop took place on 15th May 2019 at the Zaragoza Logistics Center.

Invited presentation entitled "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

Invited moderator of the panel "The Future of Manufacturing in Europe" at the DSI 2020 conference.

Invited moderator of the panel "Manufacturing in the post-Covid-19 era. Invited Panel" at the EDSI 2021 conference.

Selected oral presentations at national and international congresses (last 3 years)

Speaker at the 9th EurOMA Sustainability Forum that took place in Zagreb (Croatia) from 21th to 22nd March 2022. Paper: "The "dark side" of Industry 4.0: How to make technology more sustainable?".

Speaker at the IPSEERA 2022 Conference that took place in Jönköping (Sweden) from 10th to 14th April 2022. Paper: "Supply chain applications of the blockchain technology: a contingency approach".

Speaker at the XXXII Annual Conference of the Italian Association of Management Engineering, that took place in Naples and online from 21st to 22nd October 2021. Paper: "Industry 4.0 and sustainability: A multiple case study analysis in the food industry".

Speaker at the 2019 international conference IPSEERA that took place in Milan (Italy) from 14th to 17th April 2019. Paper: Does reshoring affect firm performance? by Orzes G., Bais B., Sartor M., Nassimbeni G.

Speaker at the international conference 25th International EurOMA Conference that took place from 15th to 19th June 2019 in Helsinki (Finland). Presented paper: "Reshoring and firm performance: A longitudinal analysis", Proceedings of the 26th EurOMA Conference" by Orzes G., Bais B., Sartor M., Nassimbeni G.

Speaker at the international conference 10th Annual European Decision Sciences Conference that took place from 2nd to 5th June 2019 in Nottingham (UK). Presented paper: "How to foster the digital transformation of a macro-region: evidence from a multi-stakeholder analysis" by Matt D., Pedrini G., Orzes G.

Entrepreneurship

I have been involved in twenty applied research / technology transfer projects from 2012 to 2016 carried out in cooperation with leading companies (for more detail please see the table reported in the section "Research projects and scholarships").

In the courses "Industrial Accounting and Management" and "Management Control and Business Planning", I asked to the students to develop a Business Plan about a possible entrepreneurial idea under my supervision. This fosters their critical thinking as well as their entrepreneurship skills.

I coordinated the unibz working group that design and organized in cooperation with the NOI Techpark the Open Innovation Challenge Student & Company Sprint (<https://noi.bz.it/en/students-company-sprint>). 30 students from the five unibz faculties worked for five days at real-life problems of three South Tyrolean companies (VOG products, Markas and Vivius), following the Google Design Sprint Methodology, and presented their ideas and solutions at the end. The event was financed by the European Social Fund.

I am member of the Special Interest Group (SIG) on Sustainable Entrepreneurship of the Association for European Life Science Universities (ICA) and co-organized the Education Colloquium 2022 (<https://www.ica-europe.info/ica-edu-sig-programme>)

Awards for the scientific activities

Outstanding Associate Editor of the Journal of Purchasing and Supply Management (2021)

Outstanding Reviewer of the International Journal of Production Economics (2021)

The paper "Are Corporate Social Responsibility Initiatives Worth Having? Empirical Evidences from SA8000 Decertification?" (Podrecca M., Orzes G., Sartor M., Nassimbeni) received the best student paper award at the 51st Decision Sciences Institute (DSI) International conference

Runner-up for the 2018 IPSERA best paper award with the paper "Reshoring: Does home country matter?" (Wan L., 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.)

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

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Italian	Mother tongue				
English	C1	C1	C1	C1	C1
	Cambridge Certificate in Advanced English (Level C1, December 2016) (mark: 189)				
Deutsch	B2	B2	B2	B2	B2
	Telc Deutsch B2 Zertificat				

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

Bozen-Bolzano 2nd May 2022

Guido Orzes

