

University Academic Curriculum Vitae

Personal information

Dr.-Ing. Patrick Dallasega

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Education since leaving school

- 2018, **National Scientific Habilitation** (Abilitazione Scientifica Nazionale) as Associate Professor in Industrial Engineering (sector 09/B2 ING-IND/17 Impianti Industriali Meccanici)
- 2016, **Doctor of Philosophy in Industrial Engineering (PhD)**, University of Stuttgart, Faculty 7 Mechanical Engineering, Pfaffenwaldring 9, 70569 Stuttgart (Germany), Supervisor: Univ.-Prof. Dr.-Ing. Dr.-Ing. E.h. Dr. h.c. Dieter Spath
- 2012, **Master of Science in Industrial Engineering and Management**, Polytechnic of Turin, Corso Duca degli Abruzzi 24, 10129 Torino (Italy)
- 2009, **Bachelor of Science in Logistics and Production Engineering**, Free University of Bolzano in collaboration with Polytechnic of Turin, Piazza Università 1, 39100 Bozen-Bolzano (Italy)
- 2004, **Technical High School diploma in German language** (Gewerbeoberschule, Istituto tecnico industriale), Electronics and Communications Engineering, Otto Huber Straße 74, 39012 Meran-Merano (BZ)

Present appointment

- **Assistant Professor tenure track** in Industrial Engineering (ricercatore a tempo determinato "senior" L.240/10 tipo B nel settore scientifico disciplinare ING-IND/17 RTD-B)
- Starting date: 01.12.2019
- Free University of Bozen-Bolzano (Italy)
- Activities and responsibilities:
 - Research in the fields of Industry 4.0, supply chain management, lean construction, lean manufacturing and production planning and control in MTO and ETO enterprises
 - Responsibility and lecturing of the following courses: "Industrial Installations and Operational Safety" in German language (Bachelor degree in Industrial Mechanical Engineering L-9) and "Project Management" in English language (Master degree in Industrial Mechanical Engineering LM-33)
 - Participation to examination commissions
- Organizational and administrative activities in support to the Faculty (committee for recruiting contract professors, board of teachers of the doctoral course)

Professional experience

From / to	Job title	Name of academic Institution	Academic level	Responsibilities
01.05.2019 – 30.11.2019	Assistant Professor (RTD-A)	Free University of Bozen-Bolzano	PhD	Assistant Professor in Industrial Engineering (Ricercatore a tempo determinato L.240/10 tipo A nel settore scientifico disciplinare ING-IND/17)
01.05.2016 – 30.04.2019	Assistant Professor (RTD-A)	Free University of Bozen-Bolzano	PhD	Assistant Professor in Industrial Engineering (Ricercatore a tempo determinato L.240/10 tipo A nel settore scientifico disciplinare ING-IND/17)
26.02.2018 – 31.01.2019	Member of the Advisory Board of the research group "Process Engineering in Construction"	Research institute Fraunhofer Italia s.c.a.r.l.	PhD	Scientific advice and consulting through regular meetings
01.11.2015 – 30.04.2016	Research Associate (AR)	Free University of Bozen-Bolzano	M.Sc.	Modeling and Managing Processes in Construction – MoMaPC (IN2021)
15.01.2014 – 15.09.2015	Research Associate (AR)	Free University of Bozen-Bolzano	M.Sc.	Concepts and innovative material handling systems for optimizing the construction execution process (TN2004)
01.08.2012 – 31.07.2015	Research Associate	Fraunhofer Italia Research s.c.a.r.l.	M.Sc.	Scientific collaborator within the research group "Process Engineering in Construction" Principle investigator of publicly co-funded projects as well as direct commissioned research projects from local companies
01.12.2012 – 01.12.2013	Research Associate (AR)	Free University of Bozen-Bolzano	M.Sc.	Adaptation of the Value Stream Optimization approach to collaborative company networks in the construction industry (TN5048)
01.03.2012 – 31.07.2012	Research Assistant	Fraunhofer Italia research s.c.a.r.l.	B.Sc.	Development of Master Thesis "Process optimization for the supply chain of window installation using the Value Stream Engineering approach"
01.10.2004 – 26.02.2010	Collaborator technical office	Fructus Meran AG – Food Industry	B.Sc.	Technical design/planning of production lines, automation of existing production plants, project management of new investments

Experience in academic teaching

- Academic year 2021-2022, **member of the PhD Council** of the PhD course "Advanced-Systems Engineering" of the Free University of Bozen-Bolzano.
- Academic year 2021-2022, **responsibility and lecturing** of the course "Project Management" (28 hours lectures, 18 hours exercises and 15 hours student tutoring) Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany) – English language
- Academic year 2021-2022, **responsibility and lecturing** of the course "Industrial Installations and Operational Safety" (50 hours lectures, 24 hours exercises and 24 hours student tutoring) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – German language
- Academic year 2020-2021, **member of the PhD Council** of the PhD course "Advanced-Systems Engineering" of the Free University of Bozen-Bolzano.
- Academic year 2020-2021, **responsibility and lecturing** of the course "Project Management" (28 hours lectures, 18 hours exercises and 15 hours student tutoring) Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany) – English language
- Academic year 2020-2021, **responsibility and lecturing** of the course "Industrial Installations and Operational Safety" (50 hours lectures, 24 hours exercises and 24 hours student tutoring) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – German language
- Academic year 2019-2020, **member of the PhD Council** of the PhD course "Advanced-Systems Engineering" of the Free University of Bozen-Bolzano.
- Academic year 2019-2020, **responsibility and lecturing** of the course "Project Management" (28 hours lectures, 18 hours exercises and 15 hours student tutoring) Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany) – English language
- Academic year 2019-2020, **responsibility and lecturing** of the course "Industrial Installations and Operational Safety" (50 hours lectures, 24 hours exercises and 24 hours student tutoring) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – German language
- Academic year 2018-2019, **responsibility and lecturing** of the course "Project Management" (28 hours lectures, 18 hours exercises and 15 hours student tutoring) Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany) – English language
- Academic year 2018-2019, **responsibility and lecturing** of the course "Industrial Installations and Operational Safety" (50 hours lectures, 24 hours exercises and 24 hours student tutoring) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – German language
- Academic year 2018-2019, **member of the PhD Council** of the PhD "Sustainable Energy and Technologies" (since XXXIV cycle) of the Free University of Bozen-Bolzano.
- Academic year 2017-2018, **responsibility and lecturing** of the course "Project Management" (28 hours lectures, 18 hours exercises and 15 hours student tutoring) Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany) – English

language

- Academic year 2017-2018, **responsibility and lecturing** of the course “Industrial Installations and Operational Safety” (64 hours lectures and 20 hours student tutoring) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – English language
- Academic year 2016-2017, **responsibility and lecturing** of the course “Project Management” (26 hours lectures and 8 hours student tutoring) Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany) – English language
- Academic year 2016-2017, **responsibility and lecturing** of the course “Industrial Installations and Operational Safety” (64 hours lectures, 30 hours exercises and 30 hours student tutoring) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – English language
- Academic year 2016-2017, **lecturing** of the course "Construction Project Management" within the study program Construction Engineering and Management (CEM) (6 hours lectures). Chiang Mai University (Thailand); for free during the secondment within the project “SME4.0 – Industry 4.0 for SMEs”; – English language
- Academic year 2015-2016, **lecturing** of the course “Produktionsplanung und -steuerung (PPS)” (30 hours exercises) Bachelor Degree in Industrial and Mechanical Engineering L-9, Free University of Bozen-Bolzano – German language
- Academic year 2015-2016, **teaching assistant** of the course “Production systems and industrial logistics” (60h exercise), Free University of Bozen-Bolzano; - German language
- Academic year 2014-2015, **teaching assistant** of the course “Production systems and industrial logistics” (60h exercise), Free University of Bozen-Bolzano; - German language
- Academic year 2014-2015, **lecturing** of part of the course “Wertstrom Engineering – Typen- und variantenreiche Produktion” (4h exercise), Free University of Bozen-Bolzano; - German language

Use of innovative teaching methods

- Academic year 2019-2020, course “Project Management” Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany): During the excursion to the **Brenner Base Tunnel (BBT) project**, a **haptic business simulation** (the VILLEGO Last Planner simulation <https://www.villego.com/>) was used to teach the application of the Last Planner System.
- Academic year 2018-2019, course “Project Management” Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany): During the excursion to the **company Frener&Reifer GmbH** a **haptic business simulation** (the VILLEGO Last Planner simulation <https://www.villego.com/>) was used to teach the application of the Last Planner System.
- Academic year 2017-2018, course “Project Management” Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany): During the excursion to the **company Frener&Reifer GmbH** a **haptic business simulation** (the VILLEGO Last Planner simulation <https://www.villego.com/>) was used to teach the application of the Last Planner System.

- Academic year 2016-2017, course “Project Management” Master Degree in Industrial Mechanical Engineering LM-33, Free University of Bozen-Bolzano (Italy) and Otto-von-Guericke-University Magdeburg (Germany): During the excursion to the **company Frener&Reifer GmbH** a **haptic business simulation** (the VILLEGO Last Planner simulation <https://www.villego.com/>) was used to teach the application of the Last Planner System.

Other academic responsibilities

- **Member** of the **Editorial Board** journal *Buildings* MDPI (Basel Switzerland) indexed in Scopus Q2 (<https://www.mdpi.com/journal/buildings/editors>)
- **Guest Editor** of the special issue on the international journal “Buildings” entitled “*Towards Construction 4.0: The Connection of Lean Construction and Industry 4.0*”. Call for papers will close the 31st May 2021. (https://www.mdpi.com/journal/buildings/special_issues/Construction_Connection_Lea_n_Industry)
- **Guest Editor** of the special issue on the international journal “Sustainability” entitled “*The Role of Engineering Education in Industry 4.0 Era*”. Call for papers closed the 30th June 2019. (https://www.mdpi.com/journal/sustainability/special_issues/sus_engineering_edu)
- **Invited Speaker** at the 5th North American International Conference on Industrial Engineering and Management – 18th IEOM Global Engineering Education in Detroit on August 12th 2020.
- **Conference Chair** of the “4th European International Conference on Industrial Engineering and Operations Management” that will take place in Rome from the 3rd to the 5th of August 2021 at the Faculty of Civil and Industrial Engineering of Sapienza University of Rome (<http://www.ieomsociety.org/rome2020/>).
- **Supervision of PhD-student** Sascha van der Veen – PhD program in Advanced-Systems Engineering (ASE) 37th cycle.
- **Supervision of PhD-student** Felix Schulze – PhD program in Advanced-Systems Engineering (ASE) 35th cycle.
- **Substitute member** for the **selection of PhD students** within the PhD program in Advanced-Systems Engineering (ASE) 35th cycle.
- **Supervision** of various **bachelor and master theses** of students from the degrees L-9 Industrial and Mechanical Engineering and LM-33 Master in Industrial Mechanical Engineering.
- Academic year 2018-2019, support of the didactic activities of the course L-9 Industrial and Mechanical Engineering with **student tutoring**.
- Academic year 2017-2018, support of the didactic activities of the course LM-33 Industrial Mechanical Engineering with **student tutoring**.
- International peer-review **journal referee** for the following leading international journals:
 - Computers in Industry
 - Computers and Industrial Engineering
 - Journal of Cleaner Production
 - International Journal of Production Research
 - International Journal of Production Economics
 - Production Planning & Control
 - Resources, Conservation & Recycling
 - Automation in Construction

- Journal of Manufacturing Technology Management
- Engineering Management Review
- Sustainability
- **Project proposal reviewer** for the National Science Center Poland. Review of a project proposal submitted to the executive government agency of the National Science Centre (Narodowe Centrum Nauki – NCN) under the call “BEETHOVEN” – Polish-German Funding Initiative.
- Participation in the creation of the **Smart Mini Factory (SMF)** laboratory of the Free University of Bozen-Bolzano. The SMF laboratory has been designed for applied research, education and technology transfer to local industry. Organization and management of the seminar "Construction 4.0 - Digital tools for the construction site" focused on the practical illustration of the impact of digitisation to the ETO sector and regional construction industry. (<https://smartminifactory.it/>)

Membership

Member of the following scientific associations:

- Affiliation to the international research group **Industrial Engineering and Operations Management (IEOM)** (<http://ieomsociety.org/>) (2017-now)
- Ordinary member of the **Italian Association of Industrial Plant Teachers (AIDI)** (ING-IND/17) (<http://www.aidi-impianti-industriali.it/>) (2016-now)

Research and scholarships

Date granted	Award Holder(s)	Funding Body	Title	Amount received
01.01.2022 – 31.12.2024	Principal Investigator: Dr.-Ing. Patrick Dallasega	Joint Projects Switzerland-Italy CH-I	Smart Mobile Factory for Infrastructure Projects (SMF4INFRA) Research partner: ETH-Zurich, Euro-Tube Foundation	266.403 Euro
01.02.2021 – 31.01.2024	Principal Investigator: Dr.-Ing. Patrick Dallasega	Photogram GmbH (Contract for research project)	DIGital PLATform for Building and Infrastructure Projects (DIGPLABI)	70.000 Euro
18.08.2021 – 31.10.2021	Principal Investigator: Dr.-Ing. Patrick Dallasega	Intercable GmbH (Contract for research project)	Pianificazione e ottimizzazione digitale della fabbrica per la produzione di componenti per la mobilità elettrica (DIGIFAP)	11.100 Euro
01.07.2020 – 31.03.2022	Principal Investigator: Dr. Elisa Marengo Co-Investigator: Dr.-Ing. Patrick Dallasega	Internal research project of the Free University of Bolzano (ID call 2020)	Confucius - "Study the past if you would define the future": Discovering Patterns in Scheduling and Monitoring Data	110.000 Euro
28.02.2020 – 28.02.2021	Principal Investigator: Dr.-Ing. Patrick Dallasega	Mader GmbH (Contract for research project)	Feasibility study on the use of Industry 4.0 technologies to support construction site management (Industry 4 Site)	10.000 Euro
29.05.2020 – 30.09.2020	Principal Investigator: Dr.-Ing. Patrick Dallasega	Novitas-Italia srl. (Contract for research project)	Implementation study for the development of a digital platform to support the maintenance of the urban line infrastructure (DIGPLAMI)	8.000 Euro
01.01.2017 – 31.12.2020	Project Coordinator: Prof. Dominik Matt Dr. Dallasega collaborated actively in the acquisition of the research project. Moreover, he collaborates	European Union (H2020 program)	SME 4.0 - Industry 4.0 for SMEs "Smart Manufacturing and Logistics for SMEs in an X-to-order and Mass Customization Environment (SME 4.0)"	Total funding: 783.000 Euro; allocated funding to the Free University of Bolzano: 472.500 Euro

	within different work packages as well as he is responsible for the hosting of visiting researchers at the Free University of Bolzano.			
01.01.2017 – 31.08.2020	<p>Project Coordinator: Prof. Werner Nutt</p> <p>Dr. Dallasega collaborated actively in the acquisition of the interdisciplinary research project within the Faculty of Computer Science, the Faculty of Science and Technology and Fraunhofer Italia s.c.a.r.l.. Moreover, he is responsible area manager of the Industrial Engineering research group of the Faculty of Science and Technology.</p>	European Union (ERDF 2014 – 2020)	<p>“COCKPIT - Collaborative Construction Process Management”</p> <p>Research consortium: Faculty of Computer Science, Faculty of Science and Technology of the Free University of Bolzano and Fraunhofer Italia s.c.a.r.l.; Industrial partners: Unionbau GmbH, Frener&Reifer GmbH, Atzwanger AG.</p>	Total funding 747.000 Euro; allocated funding to the Free University of Bolzano: 503.200 Euro.
01.05.2018 – 31.10.2020	<p>Principal Investigator: Prof. Dominik Matt</p> <p>Dr. Dallasega is member of the research team and collaborates within different work packages.</p>	INTERREG I-A 2014-2020 Funding Body: European Regional Development Fund (ERDF) - Interreg Italy-Austria.	<p>“Engineering Education 4.0” - Research consortium with 5 partners: Carinthia University of Applied Sciences – Austria, HTL Höhere Technische Bundeslehranstalt Wolfsberg – Austria, Friuli Innovazione Centro di ricerca e di trasferimento tecnologico – Italy, t2i- trasferimento tecnologico e innovazione – Italy, Camera di Commercio di Treviso e Belluno – Italy.</p>	Total funding 1.150.000 Euro; allocated funding to the Free University of Bolzano: 190.000 Euro.
01.01.2017 – 30.06.2020	<p>Principal Investigator: Prof. Dominik Matt</p> <p>Dr. Dallasega is member of the research team and collaborates within different work packages.</p>	Internal research project of the Free University of Bolzano (CRC call 2016)	<p>“SMART SHOPFLOOR” - Development of a software prototype for intelligent Shop Floor Management through Industry 4.0 technologies Research consortium with 2 industrial partners: Solunio GmbH, Anyt1me.</p>	70.000 Euro
01.01.2015 – 31.12.2017	<p>Principal Investigator: Prof. Werner Nutt</p> <p>Dr. Dallasega was member of the research team and collaborated within different work packages.</p>	Internal research project of the Free University of Bolzano (CRC call 2014)	<p>“MoMaPC – Modeling and Managing Processes in Construction”</p> <p>Research consortium: Frener&Reifer GmbH, Fraunhofer Italia s.c.a.r.l., The University of Melbourne (UNIMELB)</p>	82.580 Euro
01.01.2015 – 31.12.2016	<p>Principal Investigator: Dr. Erwin Rauch</p> <p>Dr. Dallasega was member of the research team and collaborated within different work packages.</p>	Internal research project of the Free University of Bolzano (CRC call 2014)	<p>“DIMASY” - Design of decentralized and distributed manufacturing systems and their coordination in manufacturing networks</p> <p>Research consortium: Fraunhofer Italia s.c.a.r.l., Tecnomag GmbH.</p>	34.500 Euro

01.10.2013 – 30.09.2016	Principal Investigator: Prof. Dominik Matt Dr. Dallasega is member of the research team and collaborates within different work packages.	Internal research project of the Free University of Bolzano (CRC call 2013)	<p>“Concepts and innovative material handling systems for optimizing the construction execution process”</p> <p>Research consortium: Frener&Reifer GmbH, Lanz Metall KG, Fraunhofer Italia s.c.a.r.l.</p>	65.000 Euro
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- **Visiting researcher** at the company ELCOM (Slovakia) within the research project SME 4.0. Detailed analysis of the currently used production planning and control approach of the company. Analysis of the potential for real-time progress measurement. Period: 02.09.2019 – 10.09.2019
- **Visiting researcher** at Chiang Mai University (Thailand) within the research project SME 4.0. Collaboration with the research group "Excellence Center in Logistics and Supply Chain Management (E-LSCM)" for the identification of requirements for the application of Industry 4.0 principles in small and medium sized enterprises (SMEs) in Asia. Period: January 2019 – March 2019
- **Visiting researcher** at Worcester Polytechnic Institute (USA) within the research project "Industry 4.0 for SMEs - Smart Manufacturing and Logistics for SMEs in an X-to-order and Mass Customization Environment (SME 4.0)". Collaboration with Prof. J. Sarkis in the fields of Industry 4.0 as well as sustainable supply chain management. Period: June 2018 – July 2018
- **Visiting researcher** at Chiang Mai University (Thailand) within the research project SME 4.0. Collaboration with the research group "Excellence Center in Logistics and Supply Chain Management (E-LSCM)" for the identification of requirements for the application of Industry 4.0 principles in small and medium sized enterprises (SMEs) in Asia. Period: February 2017 – April 2017

Research areas

- **Lean Management and digitization in Make-to-Order (MTO) companies**
Lean Management has been widely applied to series production, such as in the automotive sector. The optimization of production processes through lean management in MTO companies (e.g. in the construction sector) poses specific challenges. The research interests in this area have focused on how digitization can support the optimization of the logistics-production chain. In particular, the synchronization between manufacturing and assembly on-site, to ensure an efficient material handling and supply has been studied.
- **Industry 4.0 applied to SMEs**
Research within the Industry 4.0 area has so far focused mainly on large companies. To date, it can be seen that there are no specific models for applying these concepts in small and medium-sized enterprises (SMEs). However, most Italian and South Tyrolean companies belong to the SME category. Therefore, this research area covers the identification of requirements for the application of Industry 4.0 to the logistics and production chain of SMEs. In addition to the identification of requirements, the development of concepts and methodologies for an efficient and integrated management of logistics systems and the logistics-production chain have been studied.
- **Sustainable Supply Chain Management**
Since recent years, the choice of industrial plant configuration has shifted towards decentralization of production systems. In addition to the comparative economic advantages of each country, such as the lower cost of labour or raw materials, this

interest area has focused on how a decentralization of production can increase social and ecological sustainability. A particular interest concerned the application of the research topic "Distributed Manufacturing Systems" in the construction sector. In this context, it has been shown that through mobile production units capable to be flexibly configured according to the requirements of different sites, it is possible to achieve ecologically and economically efficient production systems. The concept of "Mobile On-site Factories" as production units that are available directly on different construction sites offers great opportunities for reducing logistics and production costs as well as CO2 emissions thus reducing the environmental impact.

Publications

International peer-reviewed journal papers

- 1) Schulze, F., Dallasega, P., 2021. Barriers to lean implementation in engineer-to-order manufacturing with subsequent assembly on-site: state of the art and future directions. *Production Planning & Control*, 1-25. doi: 10.1080/09537287.2021.1888159.
- 2) Bai, C., Dallasega, P., Orzes, G., Sarkis, J. (2020). Industry 4.0 technologies assessment: A sustainability perspective. *International Journal of Production Economics*, 107776. Scopus indexed (quartile 1).
- 3) Braglia, M., Dallasega, P., Marrazzini, L. (2020). Overall Construction Productivity: a new lean metric to identify construction losses and analyse their causes in Engineer-to-Order construction supply chains. *Production Planning & Control*, 1-18. Scopus indexed (quartile 1).
- 4) Ciano, M. P., Dallasega, P., Orzes, G., Rossi, T. (2020). One-to-one relationships between Industry 4.0 technologies and Lean Production techniques: a multiple case study. *International journal of production research*, 1-25. Scopus indexed (quartile 1).
- 5) Dallasega, P., Marengo, E., Revolti, A. (2020). Strengths and shortcomings of methodologies for production planning and control of construction projects: a systematic literature review and future perspectives. *Production Planning & Control*, 1-26. Scopus indexed (quartile 1).
- 6) Rauch, E., Linder, C., Dallasega, P. (2020). Anthropocentric perspective of production before and within Industry 4.0. *Computers & Industrial Engineering*, 139, 105644. Scopus indexed (quartile 1).
- 7) Matt, D. T., Orzes, G., Rauch, E., Dallasega, P. (2020). Urban production—A socially sustainable factory concept to overcome shortcomings of qualified workers in smart SMEs. *Computers & Industrial Engineering*, 139, 105384. Scopus indexed (quartile 1).
- 8) Dallasega, P., Revolti, A., Sauer, P. C., Schulze, F., Rauch, E. (2020). BIM, Augmented and Virtual Reality empowering Lean Construction Management: a project simulation game. *Procedia Manufacturing*, 45, 49-54. Scopus indexed (quartile 4).
- 9) Schulze, F., & Dallasega, P. (2020). Industry 4.0 Concepts and Lean Methods Mitigating Traditional Losses in Engineer-to-Order Manufacturing with Subsequent Assembly On-Site: A Framework. *Procedia Manufacturing*, 51, 1363-1370. Scopus indexed (quartile 4).
- 10) Woschank, M., Dallasega, P., Kapeller, J. A. (2020). The Impact of Planning Granularity on Production Planning and Control Strategies in MTO: A Discrete Event Simulation Study. *Procedia Manufacturing*, 51, 1502-1507. Scopus indexed (quartile 4).
- 11) Nowotarski, P., Dallasega, P., Paślowski, J. (2020). MULTI-CRITERIA ASSESSMENT OF LEAN MANAGEMENT TOOLS SELECTION IN CONSTRUCTION. *Archives of Civil Engineering* (accepted for publication). Scopus indexed (quartile 3).
- 12) Dallasega P, Rojas RA, Bruno G, Rauch E (2019). An agile scheduling and control approach in ETO construction supply chains. *COMPUTERS IN INDUSTRY*,

01663615, doi: 10.1016/j.compind.2019.08.003. Scopus indexed (quartile 1).

- 13) Rauch E, Dallasega P, Unterhofer M (2019). Requirements and Barriers for Introducing Smart Manufacturing in Small and Medium-Sized Enterprises. *IEEE ENGINEERING MANAGEMENT REVIEW*, 47(3), 87-94. doi: 10.1109/EMR.2019.2931564 Scopus indexed (quartile 3)
- 14) Dallasega P, Rauch E, Linder C (2018). Industry 4.0 as an enabler of proximity for construction supply chains: A systematic literature review. *COMPUTERS IN INDUSTRY*, ISSN: 0166-3615 Scopus indexed (quartile 1)
- 15) Dallasega P, Rauch E, Frosolini M (2018). A Lean Approach for Real-Time Planning and Monitoring in Engineer-to-Order Construction Projects. *BUILDINGS*, vol. 8, ISSN: 2075-5309, doi: 10.3390/buildings8030038 Scopus indexed (quartile 2)
- 16) Rauch E, Dallasega P, Matt DT (2018). Complexity reduction in engineer-to-order industry through real-time capable production planning and control. *PRODUCTION ENGINEERING*, ISSN: 0944-6524, doi: 10.1007/s11740-018-0809-0 Scopus indexed (quartile 2)
- 17) Dallasega P. (2018). Industry 4.0 Fostering Construction Supply Chain Management: Lessons Learned From Engineer-to-Order Suppliers. *IEEE ENGINEERING MANAGEMENT REVIEW*, 46(3), 49-55. Scopus indexed (quartile 3).
- 18) Rauch E, Rojas R, Dallasega P, Matt DT (2018). Smart Shopfloor Management – Requirements for a Digital and Smart Shop Floor Management in the Age of Industry 4.0. *ZWF*, vol. 113, p. 2-6, ISSN: 0947-0085, doi: 10.3139/104.111854 Scopus indexed (quartile 4).
- 19) Dallasega P, Sarkis J (2018). Understanding greening supply chains: Proximity analysis can help. *RESOURCES, CONSERVATION AND RECYCLING*, vol. 139, pp. 76-77. Scopus indexed (quartile 1)
- 20) Santiteerakul S, Tippayawong KY, Dallasega P, Nimanand K, Ramingwong S (2018). Logistics Performance Review: European Union and ASEAN Community. *Journal of APPLIED ECONOMIC SCIENCES*, 13(5), pp. 1175-1180. Scopus indexed (quartile 3)
- 21) Rauch E, Unterhofer M, Dallasega P (2018). Industry sector analysis for the application of additive manufacturing in smart and distributed manufacturing systems. *MANUFACTURING LETTERS*, vol. 15, p. 126-131, ISSN: 2213-8463, doi: <https://doi.org/10.1016/j.mfglet.2017.12.011> Scopus indexed (quartile 1).
- 22) Rauch E, Dallasega P, Matt DT (2017). Distributed manufacturing network models of smart and agile mini-factories. *INTERNATIONAL JOURNAL OF AGILE SYSTEMS AND MANAGEMENT*, vol. 10, p. 185-205, ISSN: 1741-9174, doi: 10.1504/IJASM.2017.088534 Scopus indexed (quartile 2).
- 23) Dallasega P, Rojas RA, Rauch E, Matt DT (2017). Simulation Based Validation of Supply Chain Effects through ICT enabled Real-time-capability in ETO Production Planning. *PROCEDIA MANUFACTURING*, vol. 11, p. 846-853, ISSN: 2351-9789, doi: 10.1016/j.promfg.2017.07.187 Scopus indexed (quartile 4)
- 24) Dallasega P, Rauch E (2017). Sustainable Construction Supply Chains through Synchronized Production Planning and Control in Engineer-to-Order Enterprises. *SUSTAINABILITY*, vol. 9, p. 1-25, ISSN: 2071-1050, doi: 10.3390/su9101888 Scopus indexed (quartile 2)
- 25) Seidenstricker S, Rauch E, Dallasega P (2017). Industry 4.0 business model innovation for SMEs: Nine-field matrix and morphological analysis for the identification and the design of information-based Industry 4.0 business models for SMEs. *ZWF*, vol. 112, p. 616-620, ISSN: 0947-0085, doi: 10.3139/104.111776 Scopus indexed (quartile 4).

- 26) Rauch E, Dallasega P, Matt DT (2016). Sustainable production in emerging markets through Distributed Manufacturing Systems (DMS). *JOURNAL OF CLEANER PRODUCTION*, vol. 135, p. 127-138, ISSN: 0959-6526, doi: 10.1016/j.jclepro.2016.06.106 Scopus indexed (quartile 1).
- 27) Rauch E, Seidenstricker S, Dallasega P, Hämmerl R (2016). Collaborative Cloud Manufacturing: Design of Business Model Innovations Enabled by Cyberphysical Systems in Distributed Manufacturing Systems. *JOURNAL OF ENGINEERING*, vol. 2016, p. 1-12, ISSN: 2314-4904, doi: 10.1155/2016/1308639 Scopus indexed (quartile 3).
- 28) Matt DT, Rauch E, Dallasega P, Vidoni R, Russo Spena P (2015). Synchronization of ETO manufacturing and assembly on-site: Assembly oriented manufacturing and just-in-time supply for construction sites in engineer-to-order industrial enterprises [Synchronisierung von ETO-Fertigung und Baustellenmontage = Synchronisation of ETO-manufacturing and on-site installation]. *ZWF*, p. 9-13, ISSN: 0947-0085, doi: 10.3139/104.111276 Scopus indexed (quartile 4)

International conference proceedings

- 1) Woschank, M, Dallasega, P. (2021). The Impact of Logistics 4.0 on Performance in Manufacturing Companies: A Pilot Study. *Procedia Manufacturing* (55), pp. 487-491. 10.1016/j.promfg.2021.10.066
- 2) Dallasega, P, Schulze, F, Revolti A, Martinelli, M (2021). Augmented Reality to increase efficiency of MEP construction: a case study. In: *Proceedings of the 38th International Symposium on Automation and Robotics in Construction (ISARC 2021)*, doi: 10.22260/ISARC2021/0063, p. 459-466. Scopus indexed.
- 3) Van der Veen, S, Dallasega, P, Hall, D (2021). Data-driven Continuous Improvement Process Framework for Railway Construction Projects. In: *Proceedings of the 38th International Symposium on Automation and Robotics in Construction (ISARC 2021)*, doi: 10.22260/ISARC2021/0116, p. 857-863. Scopus indexed.
- 4) Woschank, M., Del Rio, E., Zsifkovits, H. E., Dallasega, P (2020). Comparison of Industry 4.0 Requirements between Central-European and South-East-Asian Enterprises. In: *Proceedings of the 5th NA International Conference on Industrial Engineering and Operations Management Detroit, Michigan, USA, August 10 - 14, 2020*. p. 2013-2021. Scopus indexed
- 5) Dallasega P, Revolti A, Follini C, Schimanski CP, Matt DT (2019). BIM-based construction progress measurement of non-repetitive HVAC installation works. In: *Proc. 27th Annual Conference of the International Group for Lean Construction (IGLC)*, Pasquire C. and Hamzeh FR. (ed.), pp. 819-830. <https://doi.org/10.24928/2019/0152>.
- 6) Dallasega P, Woschank M, Ramingwong S, Yaibuathet Tippayawong S, Chonsawat N (2019). Field study to identify requirements for smart logistics of European, US and Asian SMEs. In: *Proceedings of the International Conference on Industrial Engineering and Operations Management, Bangkok, Thailand, March 5-7, 2019*. p. 844-855, IEOM, Scopus indexed
- 7) Rauch E, Stecher T, Unterhofer M, Dallasega P, Matt DT (2019). Suitability of Industry 4.0 Concepts for Small and Medium Sized Enterprises: Comparison between an Expert Survey and a User Survey (Best Track Paper Award). In: *Proceedings of the International Conference on Industrial Engineering and Operations Management, Bangkok, Thailand, March 5-7, 2019*. p. 1174-1185, IEOM, Scopus indexed
- 8) Dallasega P, Stecher T, Rauch E, Matt DT (2018). Sustainable City Logistics through Shared Resource Concepts. In: *Proceedings of the International Conference on Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8,*

2018. p. 600-610, IEOM, Bandung, Indonesia, 6.3.2018 - 8.3.2018 Scopus indexed

- 9) Rojas R, Rauch E, Dallasega P, Matt DT (2018). Safe human-machine centered design of an assembly station in a learning factory environment (Best Track Paper Award). In: Proceedings of the International Conference on Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018. p. 403-411, IEOM, Scopus indexed
- 10) Schimanski CP, Marcher C, Dallasega P, Marengo E, Follini C, Rahman AU, Revolti A, Nutt W, Matt DT (2018). Promoting Collaborative Construction Process Management by means of a Normalized Workload Approach. In: 26th Annual Conference of the International Group for Lean Construction (IGLC), González, V.A. (ed.), Chennai, India, pp. 764–774. DOI: doi.org/10.24928/2018/0488 Scopus Indexed
- 11) Rauch E, Dallasega P, Matt D (2017). Critical Factors for Introducing Lean Product Development to Small and Medium sized Enterprises in Italy. In: Complex Systems Engineering and Development Proceedings of the 27th CIRP Design Conference Cranfield University, UK 10th - 12th May 2017. *PROCEDIA CIRP*, vol. 60, p. 362-367, Elsevier B.V., ISSN: 2212-8271, Cranfield, 10.5.2017 - 12.5.2017, doi: 10.1016/j.procir.2017.01.031 Scopus indexed
- 12) Dallasega P, Marcher C, Marengo E, Rauch E, Matt DT, Nutt W (2016). A Decentralized and Pull-based Control Loop for On-Demand Delivery in ETO Construction Supply Chains. In: 24th Annual Conference of the International Group for Lean Construction. pp. 33-42, Boston (MA):International Group for Lean Construction, Boston (MA) USA, 20.7.2016 - 22.7.2016 Scopus indexed
- 13) Rauch E, Dallasega P, Matt DT (2016). The way from Lean Product Development (LPD) to Smart Product Development (SPD). In: 26th CIRP Design Conference. vol. 50, p. 26-31, Elsevier, Stockholm, 15.6.2016 - 17.6.2016, doi: 10.1016/j.procir.2016.05.081 Scopus indexed
- 14) Dallasega P, Frosolini M, Matt DT (2016). An approach supporting real-time project management in plant building and the construction industry. In: Proceedings of the Summer School Francesco Turco. p. 247-251, AIDI - Italian Association of Industrial Operations Professors, Naples, 13.9.2016 - 15.9.2016 Scopus indexed
- 15) Dallasega P, Rally P, Rauch E, Matt D (2016). Customer-oriented Production System for Supplier Companies in CTO. In: Factories of the Future in the digital environment: Proceedings of the 49th CIRP Conference on Manufacturing Systems. *PROCEDIA CIRP*, vol. 57, p. 533-538, Elsevier B.V., ISSN: 2212-8271, Stuttgart Germany, 25.5.2017 - 27.5.2017, doi: 10.1016/j.procir.2016.11.092 Scopus indexed
- 16) Marengo E, Dallasega P, Montali M, Nutt W (2016). Towards a Graphical Language for Process Modelling in Construction. In: España S;Ivanović M;Savić M, Proceedings of the CAiSE'16 Forum, at the 28th International Conference on Advanced Information Systems Engineering (CAiSE 2016), Ljubljana, Slovenia, June 13-17, 2016. *CEUR WORKSHOP PROCEEDINGS*, vol. 1612, p. 17-24, AACHEN:RWTH, ISSN: 1613-0073, Ljubljana, 13.6.2016 - 17.6.2016 Scopus indexed
- 17) Rauch E, Matt DT, Dallasega P (2016). Application of Axiomatic Design in Manufacturing System Design: a literature review. In: The 10th International Conference on Axiomatic Design (ICAD2016). *PROCEDIA CIRP*, vol. 53, p. 1-7, Elsevier, ISSN: 2212-8271, Xi'an, 21.9.2016 - 24.9.2016, doi: 10.1016/j.procir.2016.04.207 Scopus indexed
- 18) Rauch E, Dallasega P, Matt DT (2015). Axiomatic Design based Guidelines for the Design of a Lean Product Development Process. In: 9th International Conference on Axiomatic Design (ICAD 2015). vol. 34, p. 112-118, Elsevier, Florence, 16.9.2015 - 18.9.2015, doi: 10.1016/j.procir.2015.07.005 Scopus.

- 19) Dallasega P, Rauch E, Matt DT, Fronk A (2015). Increasing productivity in ETO construction projects through a lean methodology for demand predictability. In: Proceedings of the 2015 International Conference on Industrial Engineering and Operations Management. Piscataway: IEEE, ISBN: 978-1-4799-6065-1, Dubai, 3.3.2015 - 5.3.2015, doi: 10.1109/IEOM.2015.7093734 Scopus indexed
- 20) Matt D, Dallasega P, Rauch E (2015). On-site oriented capacity regulation for fabrication shops in Engineer-to-Order companies (ETO). In: 9th CIRP International Conference on Intelligent Computation in Manufacturing Engineering. PROCEEDIA CIRP, vol. 33, p. 197-202, Elsevier, ISSN: 2212-8271, Capri (NA), 23.7.2014 - 25.7.2014, doi: 10.1016/j.procir.2015.06.036 Scopus indexed
- 21) Dallasega P, Rauch E, Matt DT (2015). Sustainability in the supply chain through synchronization of demand and supply in ETO-companies. In: Proceedings of the 22nd CIRP Conference on Life Cycle Engineering. PROCEEDIA CIRP, vol. 29, p. 215-220, Elsevier, ISSN: 2212-8271, Sydney, 7.4.2015 - 9.4.2015, doi: 10.1016/j.procir.2015.02.057 Scopus indexed
- 22) Rauch E, Dallasega P, Matt DT (2015). Synchronization of Engineering, Manufacturing and on-site Installation in Lean ETO-Enterprises. In: CIRPe 2015 - Understanding the life cycle implications of manufacturing. vol. 37, p. 128-133, Elsevier, Cranfield, 29.9.2015 - 1.10.2015, doi: 10.1016/j.procir.2015.08.047 Scopus indexed
- 23) Rauch E, Dallasega P, Matt DT (2015). Mobile On-site Factories – scalable and distributed manufacturing systems for the construction industry. In: Proceedings of the 2015 International Conference on Industrial Engineering and Operations Management. Piscataway: IEEE, ISBN: 978-1-4799-6065-1, Dubai, 3.3.2015 - 5.3.2015 Scopus indexed
- 24) Rauch E, Dallinger M, Dallasega P, Matt DT (2015). Sustainability in Manufacturing through Distributed Manufacturing Systems (DMS). In: Proceedings of the 22nd CIRP Conference on Life Cycle Engineering. PROCEEDIA CIRP, vol. 29, Elsevier, ISSN: 2212-8271, Sydney, 7.4.2015 - 9.4.2015, doi: 10.1016/j.procir.2015.01.069 Scopus indexed
- 25) Matt DT, Rauch E, Dallasega P (2015). Trends towards Distributed Manufacturing Systems and modern forms for their design. In: 9th CIRP International Conference on Intelligent Computation in Manufacturing Engineering. PROCEEDIA CIRP, vol. 33, p. 185-190, Elsevier, ISSN: 2212-8271, Capri (NA), 23.7.2014 - 25.7.2014, doi: 10.1016/j.procir.2015.06.034 Scopus indexed
- 26) Matt DT, Rauch E, Dallasega P (2014). Knowledge work and knowledge management in small and medium sized engineer-to-order enterprises. In: 2014 International Conference on Production Research - Regional Conference Africa, Europe and the Middle East and the 3rd International Conference on Quality and Innovation in Engineering and Management (ICPR-AEM 2014). p. 316-321, Cluj-Napoca:IFPR, ISBN: 978-973-662-978-5, Cluj-Napoca, 1.7.2014 - 5.7.2014 Web of Science indexed
- 27) Matt DT, Dallasega P, Rauch E (2014). Synchronization of the Manufacturing Process and On-Site Installation in ETO Companies. In: Variety Management in Manufacturing : Proceedings of the 47th CIRP Conference on Manufacturing Systems. PROCEEDIA CIRP, vol. 17, p. 457-462, Springer, ISSN: 2212-8271, Windsor, Ontario, 28.4.2014 - 30.4.2014, doi: DOI: 10.1016/j.procir.2014.01.058 Scopus indexed
- 28) Matt DT, Rauch E, Dallasega P (2014). Mini-factory – a learning factory concept for students and small and medium sized enterprises. In: Variety Management in Manufacturing : Proceedings of the 47th CIRP Conference on Manufacturing Systems. PROCEEDIA CIRP, vol. 17, p. 178-183, Elsevier, ISSN: 2212-8271, Windsor, Ontario, 28.4.2014 - 30.4.2014, doi: DOI: 10.1016/j.procir.2014.01.057 Scopus indexed

Book chapters

- 1) Dallasega, P., Woschank, M., Zsifkovits, H., Tippayawong, K., & Brown, C. A. (2020). Requirement Analysis for the Design of Smart Logistics in SMEs. *Industry 4.0 for SMEs*, 147. Scopus indexed.
- 2) Dallasega, P, Schimanski CP, Revolti A, Marcher C and Matt DT (2018). Untersuchung des Potenzials für KMU zur Unterstützung der Baulieferkette mit Building Information Modeling: eine Fallstudie eines ETO-Fassadenlieferanten, book chapter in *KMU 4.0 – Digitale Transformation in kleinen und mittelständischen Unternehmen*, https://doi.org/10.30844/wgab_2018_13
- 3) Marengo E, Dallasega P, Montali M, Nutt W, Reifer M (2017). Process Management in Construction: Expansion of the Bolzano Hospital. In: Vom Brocke; Mendling J, *Business Process Management Cases: Digital Innovation and Business Transformation in Practice. MANAGEMENT FOR PROFESSIONALS*, p. 257-274, Springer, Cham:Springer, ISBN: 978-3-319-58306-8, ISSN: 2192-8096, doi: 10.1007/978-3-319-58307-5_14
- 4) Rauch E, Dallasega P (2017). Sustainability in Manufacturing and Supply Chains Through Distributed Manufacturing Systems and Networks. In: Abraham M A, *Encyclopedia of Sustainable Technologies*. p. 429-438, Oliver Walter - Elsevier ISBN:9780128046777 doi: <https://doi.org/10.1016/B978-0-12-409548-9.10221-0> Scopus indexed

Bibliometric parameters

Scopus database: 28.11.2020	N. of scientific papers	N. of peer-reviewed journal papers	N. of citations	H-Index
Patrick Dallasega	57	28	1095	19

Scientific awards

- **IEOM DISTINGUISHED SERVICE AWARD.** In Recognition and Appreciation as a Conference Co-Chair at the 2021 IEOM European Conference and Outstanding Service in Industrial Engineering and Operations Management Profession. Presented at the Virtual Awards Ceremony on August 5, 2021.
- **BEST PAPER AWARD.** In Recognition of Contribution to the Best Paper entitled: *“Industry 4.0 concepts and Lean methods mitigating traditional losses in Engineer-to-Order manufacturing with subsequent assembly on-site: a framework”* presented at the 30th international conference on Flexible Automation and Intelligent manufacturing (FAIM 2021), 07-10 September 2021, Athens, Greece.
- **IEOM YOUNG RESEARCHER AWARD.** In Recognition and Appreciation of Outstanding Achievement in Research and Publication, Dedication, Support and Service in Industrial Engineering and Operations Management. Presented at JW Marriot Hotel, Bangkok, Thailand, on March 6, 2019.
- **BEST TRACK PAPER AWARD** within the section "Industry 4.0" of the 9th International Conference on Industrial Engineering and Operations Management (IEOM), Bangkok, Thailand, March 5-7, 2019. Rauch E, Stecher T, Unterhofer M, Dallasega P, Matt D.T. (2019). "Suitability of Industry 4.0 Concepts for Small and Medium Sized Enterprises: Comparison between an Expert Survey and a User Survey".
- **BEST TRACK PAPER AWARD** within the section "Sustainability in Supply Chain" of the 8th International Conference on Industrial Engineering and Operations Management (IEOM), Bandung (Indonesia), March 6-8, 2018. Dallasega P., Stecher T., Rauch E., Matt D.T. "Sustainable City Logistics through Shared Resource

Concepts".

- **BEST TRACK PAPER AWARD** within the section "Engineering Education" of the 8th International Conference on Industrial Engineering and Operations Management (IEOM), Bandung (Indonesia), March 6-8, 2018. Rojas R, Rauch E, Dallasega P and Matt D.T. "Safe Human-Machine Centered Design of an Assembly Station in a Learning Factory Environment".

Third mission activities

- 12th November 2020 Holding of the **online-seminar** "Trends der digitalen Fabrikplanung" in German language within the project E-Edu 4.0 "Webinar Schools" for students of the High-School Technologische Fachoberschule TFO Max Valier in Bozen-Bolzano
- **Invited speech** "Lean Construction and Construction 4.0" by the **Project Management Institute** – Northern Italy Chapter. Online Webinar 12th June 2020
- 25th June 2020: **Teaching assignment** by the professional school of Schlanders-Silandro (BZ) within the advanced course for window installers (Lehrgang Fenstermonteure-Aufbaukurs). Carrying out of the module "Organisation: installation supervisors, task sequencing and site management" (Organisation: Montageverantwortlicher, Arbeitsfolge, Baustelle).
- 22 and 23 November 2019: Presentation of the research project "Cockpit" at the event "**Die Baustelle der Zukunft / Il cantiere del futuro**" organized by the company Niederstätter at the Safety Park Bolzano.
<https://www.niederstaetter.it/de/magazine/die-baustelle-der-zukunft/17-1047.html>
- 24 and 25 October 2019: Presentation of the joint research project "**Cockpit**" in collaboration with the Faculty of Computer Science and Fraunhofer Italia during the project fair of the department Europe at Castle Mareccio.
- 26 July 2019: Participation to the "**techParcour Handwerk**" event organized by the "Wirtschaftsverband Handwerker und Dienstleister/Confartigianato Imprese". Technology from the Smart Mini Factory (like the Microsoft HoloLens) as well as some novel demonstrators were presented at the two stands named "Informationsbasierte Assistenzsysteme" and „Physische Assistenzsysteme“.
- **Guest editor** of the special issue on the international journal "Sustainability" entitled "The Role of Engineering Education in Industry 4.0 Era". Call for papers closed 30 June 2019.
https://www.mdpi.com/journal/sustainability/special_issues/sus_engineering_edu
- 17 May 2019: Presentation of the research project "**Cockpit**" at the Ordine degli Ingegneri della provincia di Trento in collaboration with the Faculty of Computer Science and Fraunhofer Italia.
- 12 April 2019: **Teaching assignment** by the "Project Management Institute (PMI) – Northern Italy Chapter" in German language. Seminar and workshop entitled "Lean Construction Management – Revolution in der Baubranche?" (Lean Construction Management - Revolution in the Construction Industry?") It took place at the NOI techpark where 15 employees from the local construction industry participated.
- 11 March 2019: **Teaching assignment** by the professional school of Schlanders-Silandro (BZ) within the advanced course for window installers (Lehrgang Fenstermonteure-Aufbaukurs). Carrying out of the module "Organisation: installation supervisors, task sequencing and site management" (Organisation: Montageverantwortlicher, Arbeitsfolge, Baustelle).
- 11 March 2019: **Invited speaker** at 3rd RESTORE Training School, COST Action

CA166144 RESTORE REthinking Sustainability Towards a Regenerative Economy Training School Working Group 3 Bolzano (Italy) at NOI techpark in Bolzano. Seminar entitled: "Traditional Project Management vs. Lean Construction Project Management: Towards a sustainable process" <http://www.eurestore.eu/>. The training school was organized by EURAC research.

- 29 March 2018: **Organization and conducting of the seminar** "Construction 4.0 – Digital tools for the construction site" at the Smart Mini Factory (SMF) laboratory. A number of eight companies from the local construction industry participated to the seminar.
- Participation in the creation of the **Smart Mini Factory (SMF)** laboratory at the Free University of Bozen/Bolzano. The SMF laboratory was conceived for applied research, teaching and technology transfer to local industry.
- 02 March 2018: **Teaching assignment** by the professional school of Schlanders-Silandro (BZ) within the advanced course for window installers (Lehrgang Fenstermonteure-Aufbaukurs). Carrying out of the module "organisation: installation supervisors, task sequencing and site management" (Organisation: Montageverantwortlicher, Arbeitsfolge, Baustelle).
- 11 February 2017: **Teaching assignment** by the European Academy EURAC research within the Facades Architecture course Construction Engineering (FACE). Carrying out of the "Lean Construction" module with a didactic load of 4 hours of lectures.
- 27 January 2017: **Radio Interview** in RAI SENDER BOZEN to speak about Industry 4.0 and the project SME 4.0 - MSCA RISE H2020.

Language skills

- German: **Native** language
- Italian: **Level C1** - certificate of bilingualism (attestato di conoscenza delle lingue italiana e tedesca (riferito al diploma di laurea) rilasciato ai sensi degli articoli 3 e 4 del D.P.R. 26.07.1976, n. 752, e successive modifiche)
- English: **Level C1** - Cambridge certificate in Advanced English (CAE)

, 05 November 2021

Done, read and signed
Patrick Dallasega



I declare, pursuant to art. 76 of Presidential Decree 445/2000, that the information is true. I authorize the processing of my personal data in accordance with Legislative Decree 30 June 2003, n. 196 "Code for the protection of personal data" and the GDPR 679/16 - "European Regulation on the protection of personal data".