

University Academic Curriculum Vitae

Personal information Davide Don

Education since leaving school

- 2017, Bachelor of Environmental Engineering (University of Padova);
- 2019, Master of Environmental Engineering (University of Padova),
- 2023, First Level Master in Strategic Environmental Management (University of Padova)

Present appointment

- Scientific Researcher at Fraunhofer Italia Research
- 2021
- Senior researcher
- Fraunhofer Italia Research
- As part of the Bioeconomy and Sustainability Team (BES) at Fraunhofer Italy, I am managing both EU funded research projects and R&D projects in direct collaboration with the industry with a focus on the different aspects of industrial sustainability and circular economy, effectively supporting businesses to be "fit for future" and to face the digital and sustainable transition

Professional experience Chronological list of all previous employments (each with job title, starting and finishing dates, level, employer, responsibilities)

From / to	Job title	Name of academic Institution	Academic level	responsibilities
Oct 2025 – Jan 2026	Contract lecturer for the “Technologies and Production Processes for Energy Engineering” course	Free University of Bolzano – Bozen	Contract Lecturer	As a Contract Lecturer, I introduced master’s students to the fundamentals of Life Cycle Assessment (LCA) through lectures and applied exercises. The teaching focused on practical methods for assessing the environmental performance of industrial products and processes in real-world contexts.
Oct 2024 – Jan 2025	Contract lecturer for the “Technologies and Production Processes for Energy Engineering” course	Free University of Bolzano – Bozen	Contract Lecturer	I taught the fundamentals of Life Cycle Assessment (LCA) through a combination of lectures and hands-on exercises, focusing on real-world applications. My goal was to equip master’s students with practical skills to assess the environmental impact of industrial products and processes.
Sep 2019 – Feb	Impact Analysis and Knowledge	Root	Junior researcher	My role at Root focused on the assessment of the

2021	Bank Lead (Freelance)			sustainability performance of clients, their competitors and stakeholders, in order to determine the strengths and areas of improvement of the client and helping the team to define a tailored sustainability strategy
Oct 2020 – Feb 2021	Technical Sales Internship	SMA Green & Smart Solutions S.r.l	Intern	The focus of my position was to bridge the needs and assist the sales team and the engineering team in the development of Air Quality Monitoring projects for private and public clients.
Nov 2019 - Jul 2020	Environmental Engineering Internship	Golder Associates S.r.l		My main task in this experience was to assist the team/client with the management of remediation projects of contaminated service stations.

Research and scholarships

Date granted	Award Holder(s)	Funding Body	Title	Amount received
01/04/2023	Fraunhofer Italia Research (Davide Don Project Manager)	European Union	EE4M – Engineering Excellence for the Mobility Value Chain	150K
15/01/2024	Fraunhofer Italia Research (Davide Don Project Manager)	European Union	SiToLub – Simulation Tool for the Development of Safe and Sustainable by Design Lubricants	367K
06/06/2025	Fraunhofer Italia Research (Davide Don Collaborator)	South Tyrol ERDF funds – Klimaplan Südtirol 2024	Climate, Plastics and Sustainability: Ontology and Operationalisation (ClimOO)	62k

Publications

INTEGRATING LCA AND MULTI-CRITERIA TOOLS FOR ECO-DESIGN APPROACHES: A CASE STUDY OF MOUNTAIN FARMING SYSTEMS.

Sustainability Vol 17, 6240.. 2025.

P. Sacco, D. Don, A. Mandler, and F. Mazzetto

<https://doi.org/10.3390/su17146240>.

SUSTAINABLE MANUFACTURING THROUGH APPLICATION OF RECONFIGURABLE AND INTELLIGENT SYSTEMS IN PRODUCTION PROCESSES: A SYSTEM PERSPECTIVE

Sci Rep 13, 22374, 2023.

M Todescato, O Braholli, D Chaltsev, I Di Blasio, D Don, G Egger, J Emig, G Pasetti Monizza, P Sacco, D Siegele, D Steiner, M Terzer, M Riedl, A Giusti, and D Matt

<https://doi.org/10.1038/s41598-023-49727-5>

AVAILABLE TOOLS AND METHODOLOGIES FOR THE SUSTAINABILITY ASSESSMENT IN PRODUCTION

Environmental Engineering and Management Journal Vol. 21, No. 10, 1633-1639; 2022,

D. Don, P. Sacco, E. Rangoni Gargano, A. Cornella

<http://doi.org/10.30638/eemj.2022.146>

HIGHLY EFFICIENT POROUS CARBONS FOR THE REMOVAL OF W(VI) OXYANION FROM WASTEWATERS

Journal Of Hazardous Materials Volume 412, 125201, 2021

D. Dias, D. Don, J. Jandosov, M. Bernardo, F. Pinto; I.Fonseca, A.Sanches, P.Sá Caetano, S. Lyubchyk, N. Lapa

<https://doi.org/10.1016/j.jhazmat.2021.125201>

Further data

- Co-organised and moderated the 13th Venice Training School
- Innovating with Purpose: A Hands-on Journey into Functional, Safe and Sustainable Advanced Materials - 09-13/06/2025
- Keynote on Sustainable Product Design in the Automotive industry at the International Week - Blended Intensive Programme (BIP) at the DFaculty of Engineering, 20/03/2025
- LCA intensive training course hosted by the Chamber of Commerce in Bozen, 07-08/02/2024 and 16-17/10/2024
- Host of the dissemination event on Corporate Sustainability Reporting Directive at NOI Techpark Bozen, 13/06/2024
- Keynote on Product Carbon Footprint at the International Week - Blended Intensive Programme (BIP) at NOI Techpark Bruneck, 15/06/2024
- Poster presentation at Ecomondo 2022, 09/11/2022
- Oral presentation related on smart and sustainable production planning at Ecomondo 2021, 10/11/2021

Statement of interest

As an industrial sustainability researcher, my work focuses on understanding industrial operations and developing practical solutions to enhance their sustainability, particularly in relation to sustainable product design and production. Central to this work is the assessment of lifecycle environmental impacts, including carbon emissions, linked to products and processes. Such analysis is essential for identifying improvement opportunities and defining effective strategies to reduce impacts. Importantly, it also helps determine where the greatest leverage for action lies, whether within the company's own operations or through collaboration with its wider network of stakeholders.

Language competence

Italian - Mother language
English - C1 level acquired after my Master of Engineering held in English
Portuguese - B2 level reached after living 7 months (Oct 2018 – Apr 2019) in Lisbon.
Spanish - B1 studied at school for three years

Date

16/06/2026