

Dario Toso

Sustainability Consultant,
Ph.D.

Personal Info

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Date of birth

1981-07-28

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LinkedIn

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Skills

Design for Sustainability

advanced

Life Cycle Assessment

Fundamentals of Sustainability

Analytical Thinking

Effective Communication

Reframing Problems and Resolution

Leadership for Change and Transformation

References

Chris Gronet, 4th-Phase, Inc.,
CEO, chris.gronet@ 4th-phase.com

"I am delighted to confirm Dario's creative problem-solving, tireless work ethic, and perseverance. He was successful in helping us develop prototypes to prove critical capabilities for our technology. Dario is a team player and has initiated positive discussion that have brought out the best in other employees".

Sustainable Innovation Consultant, Eco-designer Ph.D. with 10+ years of work experience in the field of sustainability consulting and product development both for private companies and in academic projects. Expert in Design for Sustainability (DfS) and Systemic Design (SD) for promoting Circular Economy.

Experience

2016 -

present

4th-Phase, Inc.

A water-tech startup based in Seattle-WA, researching innovative water filtration technology and water treatment technology, that could enhance plant growth, based on the Exclusion Zone water phenomenon (4 issued patents). The Company has just been awarded by NSF in the Small Business Phase 1 program.

Co-founder and Senior Consultant

-Technical and scientific support for both developing and testing of the prototypes for water purification.

- Leading a small research group based in Turin (Italy) with specific skills in micro/nano fabrication and material engineering.

2018/01 -

2018/05

Zero Emissions Research and Initiatives

ZERI is a global network of creative minds, seeking solutions to the principal challenges of the world established by Gunter Pauli in 1994 at the United Nations University (UNU) with the support of the Japanese Government.

Senior Consultant

Scientific support for promoting Blue Economy initiatives in the Kazakhstan territory.

2008 -

present

Life Cycle Engineering, Srl

LCE is an independent consulting firm, providing professional solutions and tools for Life Cycle Assessment (LCA), eco-design, environmental communication and regulatory compliance to private companies and business associations.

Senior Consultant

Technical and Scientific support for promoting eco-design activities and Circular Economy related projects. With extensive experience in biopolymers for packaging and non-packaging applications, he is responsible for several LCA for Eco-design projects (e.g. the GIRO SILO helmet – www.giro.com) finalized both to product development and to environmental communication (eg. CSR, EPD, eco-labelling, etc.).

Eco-design activity coordinator for the H2020 EU Effective project.

2012 -

2018/05

Gruppo, Srl div. Cinelli

Cinelli is one of the most popular Italian bicycle company producing mostly road bicycles and components.

Designer Consultant

Concept idea and design of the Cinelli HoBootleg. The HoBootleg has been a success in terms of sales with an increase of about 350% compared to the previous Cinelli Bootleg model. In 2015 Paola Gianotti on the HoBootleg got the Guinness World Record for the fastest circumnavigation by bicycle (female).

2015 -

2016

University of Washington (Bioengineering Dept.), Seattle - WA

Postdoctoral researcher

Working on a filter-less water purification system based on the Exclusion Zone phenomenon selected as a finalist at the Gulf Coast innovation Challenge 2015.

2008 -

2011

Politecnico di Torino (DAD)

Research Fellow

Scientific support in several projects as part of the Systemic Design team:

- Lavazza, Systemic Design approach to coffee waste valorization
- NAMATECH, Systemic Design approach to bio-based materials selection
- Bici e Carta (Comieco), eco-friendly accessories for urban bicycles
- Easy-Eating (Comieco), Sustainable Paper-based Packaging

Education

2012 - 2015

Politecnico di Torino (Italy)

Ph.D. in Production System and Industrial Design

2004 - 2007

Politecnico di Torino (Italy)

Master of Science in Design for Sustainability (110/110)

2001 - 2004

Politecnico di Torino (Italy)

Bachelor of Science in Industrial Design