



EIT Manufacturing Doctoral School

*Winter School on
Sustainable Manufacturing
(DS-SustMan) 2022*

21 November - 2 December 2022
Grenoble INP - UGA



Co-Funded by the
European Union



**STUDY LOCATION:**

Grenoble, France (21 Nov - 2 Dec 2022)

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Grenoble INP - UGA

46 avenue Felix Viallet, 38000 Grenoble - France

**ENTRY QUALIFICATION:**

A Master of Science Degree is required or enrollment in PhD study
(The entry qualification documents are accepted in English only)

**LANGUAGE REQUIREMENTS:**

English, you must be able to write, understanding and speak in English

**OTHER REQUIREMENTS:**

To apply to the DS-SustMan Winter School, you are required to upload the following documents:

- Academic qualification certificate (bachelor of science degree)
- Curriculum Vitae including details on your academic and professional career using preferably the Europass format (<https://europa.eu/europass/en/create-europass-cv>)
- PhD topic description
- A colour copy of your either National ID (only for EU/EFTA students) or passport
- A motivation letter describing your interest into the EITM Winter School topics and programme and your entrepreneurial project you are thinking or even working on.

PLEASE NOTE:

Applications that do not submit all documents will not be processed.
Applications with fraudulent documents will be rejected.



Manufacturing

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The EIT Manufacturing (EITM) Doctoral Winter School on Sustainable Manufacturing (DS-SustMan) 2022 offers a unique opportunity for developing innovation and entrepreneurship skills for the manufacturing world in an international setting. Participants are immersed during 2-weeks in a stimulating learning by doing environment. International lecturers provide state-of-the-art knowledge in PSS research and challenge the participants to identify short- and long-term future consequences of plans and decisions for a more sustainable manufacturing. Leaders in companies and startups share their experience and best practices to give the industrial perspective of the current manufacturing trends and issues. An entrepreneurship expert guides you along with a "Creativity & Ideation Bootcamp" to develop innovative business ideas and test your creativity skills.

The EITM DS-SustMan Winter School is the opportunity for doctoral students and professionals alike to broaden their network with potential European partners and boost their abilities and competencies to become entrepreneurs able to empower the sustainable manufacturing of the future.

The programme assessment is based on evaluating the final pitch developed on the business-ideas results the participants will work on with the collaboration of mentors and will be presented by student/teams of students in front of a jury panel on the last day of the winter school.

During the two week-period, the winter school schedule alternates different learning experiences such as innovation & entrepreneurship activities, technical presentations on novel technologies in sustainable manufacturing, industrial business challenges, company and university labs visits and a social programme. The presented data will be available during the event for later use by the participant.

Main innovation topics touched during the winter school are:

- Product-Service Systems as sustainable business enablers
- Production of electric batteries Innovative solutions and technologies for tomorrow's industry
- Additive manufacturing
- Automation for production systems management
- Technologies and organization for operations management
- Technologies and usages in the design studio of the future

Networking with companies is enabled through:

- On site visit at CEA, Grenoble premises
- Interactive lunch, with start-uppers and entrepreneurs



Grenoble, France | 21 - 27 November 2022

Monday 21/11		Tuesday 22/11		Wednesday 23/11		Thursday 24/11	
09:00 - 09:30	Registration Welcome coffee	08:00 - 12:00	Creativity and Innovation Bootcamp	08:00 - 12:00	Creativity and Innovation Bootcamp	08:00 - 12:00	Creativity and Innovation Bootcamp
09:30 - 12:30	Opening Session	12:00 - 13:00	Networking Lunch	12:00 - 13:30	Entrepreneur's talk & Networking Lunch	12:00 - 13:30	Entrepreneur's talk & Networking Lunch
12:30 - 13:30	Lunch	13:00 - 15:30	IPR Training	13:30 - 17:00	Visit at CEA	13:30 - 15:30	Additive Manufacturing and Virtual Reality Centers Visit S. Mart
14:00 - 17:30	IPR Training	15:30 - 17:00	Operations Managements and Automated Production Centers Visit S. Mart				
18:00 - 20:00	Welcome cocktail						
Friday 25/11		Saturday 26/11		Sunday 27/11			
08:00 - 12:00	Creativity and Innovation Bootcamp						
12:00 - 13:00	Networking Lunch						
13:00 - 17:00	Creativity and Innovation Bootcamp						



Grenoble, France | 28 November - 2 December 2022

Monday 28/11		Tuesday 29/11		Wednesday 30/11		Thursday 01/12	
08:00 - 12:00	Creativity and Innovation Bootcamp	08:00 - 12:00	Creativity and Innovation Bootcamp	08:00 - 12:00	Creativity and Innovation Bootcamp	08:00 - 12:00	Creativity and Innovation Bootcamp
12:00 - 14:00	Entrepreneur's talk & Networking Lunch	12:00 - 14:00	Entrepreneur's talk & Networking Lunch	12:00 - 14:00	Entrepreneur's talk & Networking Lunch	12:00 - 14:00	Entrepreneur's talk & Networking Lunch
14:00 - 17:30	PSS Design Product Service System Innovation	14:00 - 17:30	PSS Design Product Service System Innovation	14:00 - 17:30	PSS Design Product Service System Innovation	14:00 - 17:30	PSS Design Product Service System Innovation
				19:00 - 22:00	Gala Dinner		
Friday 02/12		Saturday 26/11		Sunday 27/11			
08:00 - 12:00	Creativity and Innovation Bootcamp	/		/			
12:00 - 12:30	Conclusions and closing						
12:30 - 14:00	Farewell Lunch						



Making innovation happen!

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Grenoble
France

Keep up with the latest on:
doctoralschool@eitmanufacturing.eu



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