

DeepTech & Innovation Online School

Sustainable Product Design in a Digital Age

Monday, 3rd to Friday, 7th November 2025

AGENDA



DAY 1 *Deep Tech and Sustainable Product Design*

Date: **Monday 3rd November 2025**

Host: **Prof. Dermot Brabazon, Dublin City University**

All times are CET time

9.45 - 10.00	Registration to the Zoom Platform
10.00- 10.10	Opening of the Online School Prof. Dermot Brabazon, Dublin City University
10.10 - 10.30	EIT RawMaterials Dr. Fabio Ferri, Education Manager, EIT RawMaterials
10.30 - 11.00	EIT Campus Mr Gerard Dominguez, Head of Capacity Building at EIT Campus
11.00 - 11.30	ACCURATE Horizon Europe project, Achieving Resilience Through Manufacturing as a Service, Digital Twins and Ecosystems Aarhus University, Denmark
11.30 - 12.00	Break
12.00 - 12.30	SAIFA project, EuroHPC JU AI Factory Antennas, The Serbian Artificial Intelligence Antenna Factory Dr Dusan Vudragovic, Institute of Physics Belgrade
12.30 - 13.00	UNESCO Centre for Water Sustainable Development and Climate Change within the Belgrade based Jaroslav Černi Water Institute and INNOSED Horizon Europe project Dr Brankica Majkić- Dursun, Jaroslav Černi Water Institute, Belgrade
13.00- 13.30	What is Deeptech? Intersection of Deep Tech and Sustainability Prof. Fatima Zivic, Vodena, University of Kragujevac
13.30- 14.00	Leveraging Life Cycle Thinking (LCT) Tools to Guide Sustainable Design and Certification in Innovation-Driven Sectors Dr Elisabetta Palumbo, University Bergamo
14.00- 15.00	Lunch
15.00- 15.30	F6S creating opportunities and synergies in DeepTech Dr Raquel Almeida, Co-founder & EU Projects Developer, F6S
15.30- 16.00	ILIAD3: an Applied Research Competence Center for AI-based Image and Data Processing Prof. Barthélémy Serres, University of Tours
16.00- 16.30	Sustainability in Materials Design and Development Prof. Hakan Yilmazer, Gebze Technical University
16.30- 17.00	Artificial Intelligence for Sustainable Product Design: From Data to Innovation Prof. Christophoros Nikou, University of Ioannina
17.00- 17.30	Practical Assignment Session, End of day 1

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DAY 2 *AI and Data Science in Sustainable Product Design and Energy Sector*

Date: **Tuesday 4th November 2025**

Host: **Prof. dr Ana Kaplarevic Malisic, Vodena, University of Kragujevac**

All times are CET time

10.00 - 10.30	AI-driven innovations in manufacturing and business Prof. Boban Stojanovic, Vodena, University of Kragujevac
10.30- 11.00	Data-Driven Surrogate Models for Sustainable Design and Optimization Prof. Peyman Mahouti, Gebze Technical University
11.00 - 11.30	SMARTCITY energy software – smart electricity Vodena, Kragujevac, Serbia
11.30 - 12.00	Break
12.00 - 12.30	Supercomputing and Big Data - Industry Use Cases Prof. Milos Ivanovic, Vodena, University of Kragujevac
12.30 - 13.00	AI Tools and Best Practices for Software Development Dr Sergii Shelpuk, Shelpuk AI Technology Consulting
13.00 - 13.30	DeepTech in Cybersecurity Products Prof. Sedat Akleylek, Gebze Technical University
13.30 - 14.00	Machine Learning Applications for Sustainable Product Design in Energy, Environment, and Health Prof. Özgün Yücel, Gebze Technical University
14.00- 15.00	Lunch
15.00- 15.30	The Role of Atomistic Calculations in Energy Materials Research: From Hydrogen Capture to Battery Innovation Prof. Stevan Armaković, University of Novi Sad, Faculty of Sciences
15.30- 16.00	Data management for local-level transition plans – energy and climate Prof. Mitar Perusic, University of East Sarajevo
16.00- 16.30	Technology adoption by Energy sector SMEs Dr Maite Couto- Ortega, Mondragon University
16.30- 17.00	The Fuel Cell: An Energy Converter of the future Prof. Cécile Autret Lambert, University of Tours, Gremat Laboratory
17.00- 17.30	Sustainable Antenna Design for 5G and Beyond Applications via Deep Learning Prof. Peyman Mahouti, Gebze Technical University
17.30- 17.40	End of day 2

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DAY 3 *Sustainable Product Design in Transport Sector*

Date: **Wednesday 5th November 2025**

Host: **Prof Fatima Zivic, University of Kragujevac, Serbia; Dr Aleksija Đurić, University of East Sarajevo**

All times are CET time

10.00 - 10.30	Title to be announced Mr Milos Stevanovic, Head of Production, Siemens RS
10.30- 11.00	Sustainable vehicle design – a way for future mobility Prof. Jovanka Lukic, Faculty of Engineering, University of Kragujevac
11.00 - 11.30	AI- Driven Quality Optimization: Real- World Case Studies from Industrial Practice Dr Nemanja Pajic, ZF Serbia
11.30 - 12.00	Break
12.00 - 12.30	Critical Raw Materials for a Resource Efficient Circular Economy Prof. Inam Ul Ahad, Dublin City University
12.30 - 13.00	Sustainability in Conventional and Advanced Metallic Products Manufacturing Prof Hakan Yilmazer, Gebze Technical University
13.00 - 13.30	HTEC company, digital twins
13.30 - 14.00	Additive Manufacturing as a Digital Technology Dr. Eanna McCarthy, Dublin City University
14.00- 15.00	Lunch
15.00- 15.30	Study of finishing operation for thin- walled structures processed by LPBF additive manufacturing with Taguchi approach Lucas Chevailler, University of Tours
15.30- 16.00	Managing the Invisible Highways: Transforming Urban Air Traffic into Opportunity Vladimir Spinko, Chief Executive Officer of Aery Bizkaia, Spain
16.00- 16.30	To be announced
16.30- 17.00	Design Thinking as Problem- Solving Methodology Iker Egizabal, Team Coach & Researcher Mondragon University
17.00- 17.30	Joining Technologies in the Transport Sector: A Review Dr Aleksija Đurić, University of East Sarajevo
17.30- 17.40	End of day 3

DAY 4 *Sustainable Product Design in BioTech Sector*

Date: **Thursday 6th November 2025**

Host: **Prof. Dr. Muhammet Uzuntarla, Gebze Technical University**

All times are CET time

10.00 - 10.30	Changing Drug Design Through the Use of Artificial Intelligence Prof. Dimitrios Fotiadis, University of Ioannina
10.30- 11.00	AI-generated pharmaceutical formulations, Horizon Europe project i-GREENPHARM Prof. Vassilis Stathopoulos, National and Kapodistrian University of Athens, Greece; Prof. Mohamed Elbadawi, Queen Mary University of London, UK
11.00 - 11.30	Microelectronics and Sensors: from IoT to high energy physics Prof. Luigi Gaioni, University of Bergamo, Italy
11.30 - 12.00	Break
12.00 - 12.30	Healthcare Technologies in the Era of DeepTech Gebze Technical University Prof.Dr. Muhammet Uzuntarla
12.30 - 13.00	Photonics as a Tool for DeepTech Dr. Ronan McCann, Dublin City University
13.00 - 13.30	DeepTech in Human- Centered and Sustainable Wearable AI Gebze Technical University, Assoc.Prof. Dr. Saban OZTURK
13.30 - 14.00	Strategic Neurobranding in the Digital Age Prof. Snezana Mojsovska Salamovska, University of "St. Kliment Ohridski" Bitola, North Macedonia, EIT project NanoBioTech Nexus, https://eit-hei.eu/projects/nanobiotech-nexus/
14.00- 15.00	Lunch
15.00- 15.30	Challenges Faced in Establishing a Drug Discovery Startup Ana Bouchet, Co-founder and CEO, Lifesome Therapeutics start-up, Madrid, Spain, https://lifesometherapeutics.com/company/
15.30- 16.00	Strategy for Innovation at Nuwave Nuwave Sensors
16.00- 16.30	Smart materials Prof Fatima Zivic, University of Kragujevac
16.30- 17.00	Diabetes market analysis focused on the manufacturer of early detection products Dr Maider Beitialarrangoitia, Mondragon University
17.00- 17.30	Deep Tech in the Browser: Building Global Access to Atomistic Calculations for Molecular Research Prof. Stevan Armaković, University of Novi Sad, Faculty of Sciences
17.30- 17.40	End of day 4

DAY 5 *Innovation & Entrepreneurship: Business and Innovation Management*

Date: **Friday 7th November 2025**

Host: **Prof. dr Giovanna Campopiano, University of Bergamo; Prof Yorgos Goletsis, Univeristy of Ioannina**

All times are CET time

10.00 - 10.30	Pitching for Support: Focus on the Customer, End User, Funder Prof. Emer Ní Bhrádaigh, Dublin City University
10.30- 11.00	Unlocking Intellectual Property Mr Peter Olwell, Dublin City University peter.olwell@dcu.ie
11.00 - 11.30	Entrepreneurial Experimentation Dr Davide Hahn, University of Bergamo
11.30 - 12.00	Break
12.00 - 12.30	Collaborative ecosystems: how to connect infrastructures and services for sustainable industrial entrepreneurship ecosystems Prof. Laida San Sebastian from Mondragon University
12.30 - 13.00	Impact finance and measurement Prof. Maria Rosa Scarlata, University of Bergamo
13.00 - 13.30	Rethinking Innovation and Entrepreneurship through Sustainable Product Design Prof. Yorgos Goletsis, Nikolaos Alexandros Theodorou, University of Ioannina
13.30 - 14.00	From Laboratory to Marketplace Dr Nikolaos Alexandros Theodorou, University of Ioannina
14.00- 15.00	Lunch
15.00- 15.30	Market research for new business ventures Prof. Cristina Bettinelli, University of Bergamo
15.30- 16.00	Sustainable Business Model Innovation Prof. Tommaso Minola, University of Bergamo
16.00- 16.30	Innovation Thinking for Entrepreneurs: Creativity and Critical Thinking Prof. Lela Andreevska, University of "St. Kliment Ohridski" Bitola, North Macedonia, EIT project NanoBioTech Nexus, https://eit-hei.eu/projects/nanobiotech-nexus/
16.30- 17.00	Shallow Tech vs Deep Tech Mr Terence Bowden, Dublin City University
17.00- 17.30	Practical Entrepreneurship in an University Setting - Startup Experience from DCU Alpha and Video recordings from Start-ups pitching for Investment Mr Terence Bowden, Dublin City University
17.30- 17.40	End of day 5

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