



Online School  
**INNOVATION AND SMART MANUFACTURING**  
 (with practical sessions for trainees on Pitching for Support)  
 Sep 27 – Oct 1

<http://smart2m.eu/index.php/2021/08/29/online-school-innovation-and-smart-manufacturing-sep-27-oct-1/>

**Day 1 | Monday, 27 Sep 2021, CET time**

**Policy framework and Innovation and Entrepreneurship (I&E)**

**Day Coordinator: Prof Dermot Brabazon**

h 8.45	Registration to the Zoom platform	
h 9.00	Opening of the Online School "Innovation and Smart Manufacturing" <b>Prof Dermot Brabazon</b> , Dublin City University, Ireland <b>Mr Steffen Robert</b> , Education Manager EIT RawMaterials CLC West BV, Belgium	
h 9.15	Innovation in Higher Education Institutions (HEIs): HEInnovate.eu concepts and case studies	Emer Ní Bhrádaigh, Donnchadh Kindlon
h 10.00	Leveraging EU programmes for innovation and entrepreneurship	Ecaterina McDonnagh
h 10.45	How to foster a digital culture in supporting innovation and entrepreneurship	Jenny Pange
h 11.30	Coffee break	
h 12.00	MOOC & Micro-Credentials: Enhancing Labour Market Relevance and Outcomes of Higher Education (HE)	Mairéad Nic Giolla Mhichíl Elaine Beirne Conchúr Mac Lochlainn
h 12.45	Open Science and Innovation	Miroslav Trajanovic
h 13.30	Collaboration and knowledge exchange with industry. How to co-design and deliver the curriculum with external stakeholders?	Nenad Grujovic
h 14.15	EPSRC & SFI Centre for Doctoral Training (CDT) in Advanced Metallic Systems	Joan Kelly
h 15.00	Q &A session	
h 15.30	End of Day 1 Hand-out of the test for Day 1	



**Day 2 | Tuesday, 28 Sep 2021, CET time**

**Innovation and Entrepreneurship (I&E)**

**Day Coordinator: Prof Emer Ní Bhrádaigh**

h 9.00	From Idea Generation to New Enterprise Creation: Supports in HEIs and in general	Emer Ní Bhrádaigh, Donnchadh Kindlon
h 9.45	Entrepreneurship education in engineering education: evidence from the research	Emer Ní Bhrádaigh, Yorgos Goletsis
h 10.30	Pitching for Support: focus on the customer, end user, funder	Emer Ní Bhrádaigh
h 11.15	The most Effective Examples of Informal Learning in Companies	Dragoljub Rajic
h 12.00	Coffee break	
h 12.30	Innovation & Entrepreneurship - From Design Thinking to Funding. Support to move from idea generation to business creation	Sebastiano Gadaleta
h 13.15	Differences between the innovation perceptions at university and in companies/institutes, based on experiences	Jovan Tanaskovic
h 14.00	Presentation of Products/Services at International Fair	Marko Radovic
h 14.45	New systems of Fiscalisation – Internet and Mobile Accounting	Nemanja Milosavljević
h 15.30	Introduction: practical Pitching projects of students (possible topics, innovation form, etc.). Q &A session.	Emer Ní Bhrádaigh, Donnchadh Kindlon
h 16.00	End of Day 2 Hand-out of the test for Day 2	

**Day 3 | Wednesday, 29 Sep 2021, CET time**

**Industry 4.0 and Smart Manufacturing**

**Day Coordinator: Prof Ana Kaplarevic**

h 9.00	Industry 4.0 : How reference architectures are shaping the future of automation	Fahad Golra
h 9.45	Smart Materials	Fatima Zivic
h 10.30	AI-driven innovations in manufacturing and business	Boban Stojanovic
h 11.15	Case study: Artificial Intelligence (AI) for quality control in Additive Manufacturing	Jovan Babajic
h 12.00	Coffee break	
h 12.30	Internet of Things (IoT)	Raphaël Canals
h 13.15	Application of Internet of Things (IoT) – Case Studies	Vladimir Cvjetkovic
h 14.00	Artificial Intelligence (AI)	Frédérique Ros
h 14.45	The Fuel Cell: An Energy Converter of the Future	Cécile Autret Lambert
h 15.30	Student Pitch Masterclass - feedback and suggestions for improvement	Emer Ní Bhrádaigh
h 16.00	Q &A session End of Day 3 Hand-out of the test for Day 3	

**Day 4 | Thursday, 30 Sep 2021, CET time**

**Industry 4.0 and Smart Manufacturing**

**Day Coordinator: Prof Fatima Zivic**

h 9.00	Digital Transformation and Smart Manufacturing	Inam Ul Ahad
h 9.45	Additive Manufacturing as a Digital Technology to support Flexible Manufacturing and Innovation and Entrepreneurship	Dermot Brabazon, Eanna McCarthy,
h 10.30	Industry 4.0 and Smart Manufacturing at STMicroelectronics Tours, France	Dominique Defives
h 11.15	Design for Additive Manufacturing	Nikola Korunovic
h 12.00	Coffee break	
h 12.30	Innovation at Centre de Recherches Métallurgiques (CRM), CRM Research Group, Belgium	Catherine Archambeau
h 13.15	Scanning and Quality Control in Advanced Manufacturing	Geneviève Moreas
h 14.00	Reverse Engineering in Industry	Nikola Vitkovic
h 14.45	Modeling in Smart Manufacturing	Vladimir Dunic
h 15.30	Student Pitch Masterclass - feedback and suggestions for improvement	Emer Ní Bhrádaigh
h 16.00	Q &A session End of Day 4 Hand-out of the test for Day 4	

**Day 5 | Friday, 1 Oct 2021, CET time**

**Networking/match-making sessions**

**Day Coordinator: Prof Yorgos Goletsis**

h 9.00	Presentations of the Companies: MIND Group, Serbia	Ana Racic
h 9.20	Presentations of the Companies: CRM Research Group, Belgium	Ahmed Rassili
h 9.40	Presentations of the Companies: Progetto Impresa, Italy	Marialidia Porcelluzzi
h 10.00	Presentations of the Companies: Business Support Network (BSN), Rail Cluster for South-East Europe (RCSEE), Serbia	Dragoljub Rajic
h 10.20	Round table: Tech transfer and its challenges (HEI frameworks that facilitates access to financing for its entrepreneurs. Technology transfer centers. Internationalization, etc.)	Moderator: Prof Yorgos Goletsis
h 11.00	Coffee break	
h 11.30	Presentations of the research at University: Dublin City University, DCU, Ireland	Dermot Brabazon
h 11.50	Presentations of the research at University: University of Kragujevac, Serbia	Nenad Filipovic
h 12.10	Presentations of the research at University: University of Ioannina, Greece	Yorgos Goletsis
h 12.30	Presentations of the research at University: University of Tours, France	Caroline Richard

h 12.50	Round table: Innovation in Manufacturing, Business, and Education: Industry 4.0 and Education 4.0 (Needs of the companies in Human Resources for Innovation; Curriculum development; Digitalization in Education – online learning, etc.)	Moderator: Prof Fatima Zivic
h 13.30	Presentations of the selected student projects	
h 14.30	Closing of the Summer School	

### School lecturers

Name	Affiliation	Country	Email
Dermot Brabazon	Full professor, Dublin City University, DCU	Ireland	
Emer Ní Bhrádaigh	Assistant professor, Dublin City University, DCU	Ireland	
Donnchadh Kindlon	Research Assistant Fiontar agus Scoil na Gaeilge, Dublin City University	Ireland	
Inam Ul Ahad	Assistant professor, Dublin City University, DCU	Ireland	
Dr. Ecaterina McDonnagh	Senior Research Officer, Research and Innovation Support, Dublin City University	Ireland	
Dr. Mairéad Nic Giolla Mhichíl	Information Technology and Senior Research Fellow, Director of Micro-Credential Strategy & Innovation, Dublin City University	Ireland	
Dr. Elaine Beirne	Micro-credential researcher and project officer in DCU Studio, Dublin City University	Ireland	
Conchúr Mac Lochlainn	Project officer with the European Consortium of Innovative Universities (ECIU) project at Dublin City University	Ireland	
Mark Glynn	Dublin City University, DCU	Ireland	
Joan Kelly	Dublin City University, DCU	Ireland	
Fatima Zivic	Associate professor, Faculty of Engineering, University of Kragujevac	Serbia	
Nenad Filipovic	Rector, Full professor, Faculty of Engineering, University of Kragujevac	Serbia	

Nenad Grujovic	Full professor, Faculty of Engineering, University of Kragujevac	Serbia	
Vladimir Dunic	Associate professor, Faculty of Engineering, University of Kragujevac	Serbia	
Boban Stojanovic	Full professor, Faculty of Science, University of Kragujevac	Serbia	
Ana Kaplarevic	Assistant professor, Faculty of Science, University of Kragujevac	Serbia	
Vladimir Cvjetkovic	Assistant professor, Faculty of Science, University of Kragujevac	Serbia	
Yorgos Golestis	Full professor, Dept of Economics, University of Ioannina	Greece	
Jenny Pange	University of Ioannina	Greece	
Caroline Richard	Full professor, Département Mécanique & Systèmes, University of Tours	France	
Cécile Autret Lambert	Assistant professor, University of Tours, Greman Laboratory	France	
Raphaël Canals	Professor at Polytech Orléans	France	
Frédérique Ros	Université d'Orléans	France	
Marc Engel	Managing Director, Agileo entreprise	France	
Fahad Golra	R&I coordinator of the Agileo entreprise	France	
Dominique Defives	STMicroelectronics Tours	France	
Jovan Tanaskovic	Associate professor, Mechanical Engineering Faculty, University of Belgrade	Serbia	
Miroslav Trajanovic	Full professor, Mechanical Engineering Faculty, University of Nis	Serbia	
Nikola Korunovic	Associate professor, Mechanical Engineering Faculty, University of Nis	Serbia	
Nikola Vitkovic	Assistant professor, Mechanical Engineering Faculty, University of Nis	Serbia	
Ana Racic	Business Manager, MIND Group - Milanović Industries Group	Serbia	

Nemanja Milosavljevic	CFO, MIND Group - Milanović Industries Group	Serbia	
Catherine Archambeau	Unit manager, CRM Group	Belgium	
Geneviève Moreas	Activity manager, CRM Group	Belgium	
Ahmed Rassili	Business developer, CRM Group	Belgium	
Dragoljub Rajic	Director of Rail Cluster for the Southeast Europe	Serbia	
Marko Radovic	Coordinator of Business Support Network	Serbia	
Marialidia Porcelluzzi	Progetto Impresa	Italy	
Sebastiano Gadaleta	Progetto Impresa	Italy	
Jovan Babajic	Faculty of Mechanical Engineering, University of Maribor	Slovenia	