

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/

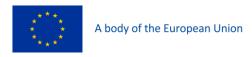
Day 1 | Monday, 27 Sep 2021, CET time

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" | | |
| | Prof Dermot Brabazon, Dublin City University, Ireland | | |
| | Mr Steffen Robert, Education Manager | | |
| | EIT RawMaterials CLC West BV, Belgium | | |
| h 9.15 | Innovation in Higher Education Institutions (HEIs): | Emer Ní | |
| | HEInnovate.eu concepts and case studies | Bhrádaigh, | |
| | | Donnchadh | |
| | | Kindlon | |
| h 10.00 | Leveraging EU programmes for innovation and | Ecaterina | |
| | entrepreneurship | McDonnagh | |
| h 10.45 | How to foster a digital culture in supporting innovation and | Jenny Pange | |
| | entrepreneurship | | |
| h 11.30 | Coffee break | | |
| h 12.00 | MOOC & Micro-Credentials: Enhancing Labour Market | Mairéad Nic | |
| | Relevance and Outcomes of Higher Education (HE) | 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 | Nenad Grujovic | |
| | to co-design and deliver the curriculum with external | | |
| | stakeholders? | | |
| h 14.15 | EPSRC & SFI Centre for Doctoral Training (CDT) in | Joan Kelly | |
| | Advanced Metallic Systems | | |
| 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

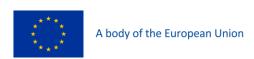
| h 9.00 | From Idea Generation to New Enterprise Creation: | Emer Ní Bhrádaigh, |
|---------|---|---------------------|
| | Supports in HEIs and in general | Donnchadh Kindlon |
| h 9.45 | Entrepreneurship education in engineering education: | Emer Ní Bhrádaigh, |
| | evidence from the research | Yorgos Goletsis |
| h 10.30 | Pitching for Support: focus on the customer, end user, | Emer Ní Bhrádaigh |
| | funder | _ |
| h 11.15 | The most Effective Examples of Informal Learning in | Dragoljub Rajic |
| | Companies | |
| h 12.00 | Coffee break | |
| h 12.30 | Innovation & Entrepreneurship - From Design | Sebastiano Gadaleta |
| | Thinking to Funding. Support to move from idea | |
| | generation to business creation | |
| h 13.15 | Differences between the innovation perceptions at | Jovan Tanaskovic |
| | university and in companies/institutes, based on | |
| | experiences | |
| h 14.00 | Presentation of Products/Services at International Fair | Marko Radovic |
| h 14.45 | New systems of Fiscalisation – Internet and Mobile | Nemanja |
| | Accounting | Milosavljević |
| h 15.30 | Introduction: practical Pitching projects of students | Emer Ní Bhrádaigh, |
| | (possible topics, innovation form, etc.). | Donnchadh Kindlon |
| | Q &A session. | |
| 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 | Dermot |
| | Flexible Manufacturing and Innovation and | Brabazon, |
| | Entrepreneurship | Eanna |
| | | McCarthy, |
| h 10.30 | Industry 4.0 and Smart Manufacturing at | Dominique |
| | STMicroelectronics Tours, France | 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), | Catherine |
| | CRM Research Group, Belgium | 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 | Emer Ní |
| | improvement | Bhrádaigh |
| h 16.00 | Q &A session | |
| | End of Day 4 | |
| | Hand-out of the test for Day 4 | |

Day $5 \mid Friday, 1 \ Oct \ 2021, CET \ time$

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





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

School lecturers

| Name | Affiliation | Country | Email |
|-------------------|--|---------|-------|
| Dermot | Full professor, Dublin City | Ireland | |
| Brabazon | University, DCU | | |
| Emer Ní Bhrádaigh | Assistant professor, Dublin | Ireland | |
| | City University, DCU | | |
| Donnchadh | Research Assistant | Ireland | |
| Kindlon | Fiontar agus Scoil na | | |
| | Gaeilge, Dublin City | | |
| Inam Ul Ahad | University Assistant professor, Dublin | Ireland | |
| mam of Anau | City University, DCU | netaliu | |
| Dr. Ecaterina | Senior Research Officer, | Ireland | |
| McDonnagh | Research and Innovation | 1101101 | |
| | Support, Dublin City | | |
| | University | | |
| Dr. Mairéad Nic | Information Technology | Ireland | |
| Giolla Mhichíl | and Senior Research | | |
| | Fellow, Director of Micro- | | |
| | Credential Strategy & | | |
| | Innovation, Dublin City | | |
| Dr. Elaine | University Micro-credential researcher | Ireland | |
| Beirne | and project officer in DCU | netaliu | |
| Benne | Studio, Dublin City | | |
| | University | | |
| Conchúr Mac | Project officer with the | Ireland | |
| Lochlainn | European Consortium of | | |
| | Innovative Universities | | |
| | (ECIU) project at Dublin | | |
|) | City University | | |
| Mark Glynn | Dublin City University, DCU | Ireland | |
| Joan Kelly | Dublin City University, | Ireland | |
| Joun Ixony | DCU | Incidia | |
| Fatima Zivic | Associate professor, | Serbia | |
| | Faculty of Engineering, | | |
| | University of Kragujevac | | |
| Nenad Filipovic | Rector, Full professor, | Serbia | |
| | Faculty of Engineering, | | |
| | University of Kragujevac | | |





| 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 |





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

