

DIGITAL TEACHING COMPETENCIES WORKSHOP



Are you teaching a raw materials-related subject at the university? Are you interested in taking your teaching to a next level of interactivity and experience-based learning?

In our workshop on Digital Teaching Competencies, you will gain insights into current trends in digitization in the context of university teaching. Experience in our hands-on sessions the wide spectrum from simple digital solutions to sophisticated mixed reality (MR) systems. During the workshop, you will have the opportunity to exchange ideas, discuss with peers what challenges and opportunities you are currently facing and develop innovative solutions!

When: 27- 28 September 2022

Where: Ljubljana, Slovenia

Who: Professionals from academia/educational sector

Registration & more information: <https://www.eitrawmaterials-radria.eu/events/digital-teaching-competencies-workshop>

AIMS AND CONTENT OF THE WORKSHOP

- Discussion of challenges and opportunities of digital tools in teaching
- Introduction to Mixed Reality (MR) in teaching
- Experiencing examples of MR-based teaching projects
- Learning how to integrate different digital tools in one's own teaching

GAINED COMPETENCES

- Gained didactical competence to choose the right technology for a certain learning objective
- Gained technical competence to handle and use MR technologies confidently
- Gained basic methodological competence to identify and develop application areas of MR in their own teaching

LEARNING OBJECTIVES

- Participants are able to reflect on the current trends of digital tools in teaching
- Participants are able to understand why and how MR is used in teaching
- Participants are able to understand and evaluate when and why which media should be used in their own lectures
- Participants have further developed and critically evaluated own ideas on how MR could be used in their lecture

Organised by:



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TRAINER PROFILES



Dr. Anas Abdelrazeq

Dr. Anas Abdelrazeq is head of the Data Intelligence department at the Institute for Information Management in Mechanical Engineering (IMA/WZL) at RWTH Aachen University.

Anas is an expert in the field of mixed reality technologies. In 2020, he received his PhD in the field of 3D vision (augmented reality) and cloud computing. He led several research projects dealing with the transformation of engineering education and implemented several international projects using Mixed Reality in e.g. mining or metallurgy education.

Anas has been teaching for more than seven years and has held several workshops on Mixed Reality in teaching.



Paulina Blessing, M.Sc.

Paulina Blessing works as a research associate in the Intelligent Knowledge Management research group at the Institute for Information Management in Mechanical Engineering (IMA/WZL) at RWTH Aachen University.

Paulina studied business psychology and social economics and conducts research on the impact of artificial intelligence and current trends in digital transformation on people. Paulina has experience in dealing with large audiences in teaching.

With her expertise in remote and face-to-face workshops and trainings, Paulina brings her didactic knowledge and expertise to the Digital Competences Workshop.

WORKSHOP AGENDA

DAY 1 Sept 27th 2022 (9am – 5pm)

9.00-9.30	Warm Up
09.30-10.15	Trends in Higher Education and Didactic Basics
Coffee Break	
10.15-12.00	Experiences with Digital Tools in Teaching
Lunch Break	
13.00-14.00	Introduction to Mixed Reality in Teaching
14.00-16.00	Hands-on Session: Trying out Mixed Reality
Coffee Break	
16.10-16.30	Implementing Mixed Reality in Teaching
16.30-17.00	Wrap Up

DAY 2 Sept 28th 2022 (9am – 4pm)

9.00-9.30	Warm Up
09.30-10.30	A Student's Journey
Coffee Break	
10.45-12.00	Integrating digital tools in one's own teaching
Lunch Break	
13.00-15.00	Brainstorming and Ideating
Coffee Break	
15.15-16.00	Wrap Up and Closing Session

CALL FOR COST REIMBURSEMENT

Participants from academia/education institutions from RIS countries are eligible for cost reimbursement. Details regarding the call are available here: <https://www.eitrawmaterials-rcadria.eu/events/digital-teaching-competencies-workshop>