



**Technical University of Cluj-Napoca organized successful MERAM 2023
International Workshop: "Empowering the Future in Mechatronics,
Entrepreneurship, Robotics, Additive Manufacturing, and Virtual Reality for
Economic Growth"**

Cluj-Napoca, 15 September 2023 – The Technical University of Cluj-Napoca is delighted to announce the successful conclusion of the MERAM 2023 International Workshop, a visionary event that delved into the frontiers of technology, entrepreneurship, and innovation. This workshop proved to be a resounding success, providing a platform for knowledge exchange, collaboration, and a glimpse into the future of Mechatronics, Entrepreneurship, Robotics, Additive Manufacturing, and Virtual Reality (MERAM).

Held on September 15, 2023, at the Technical University of Cluj-Napoca, the workshop brought together a diverse group of experts, academics, and industry leaders to explore the transformative potential of these emerging fields.

Key Highlights from the Workshop:

- **Cutting-Edge Insights:** Renowned speakers delivered thought-provoking presentations on topics ranging from collaborative e-platforms for medical engineering to the digital transformation powered by additive manufacturing.
- **Innovative Discussions:** Engaging panel discussions and open forums facilitated robust discussions, allowing participants to share their insights, experiences, and visions for the future.
- **Networking Opportunities:** Attendees had the unique opportunity to network with peers, forge new collaborations, and establish connections with leaders in their respective fields.
- **Demonstrations:** Demonstrations showcased the practical applications of technology, leaving participants inspired by the limitless possibilities.

The MERAM 2023 Workshop successfully accomplished its mission of advancing knowledge, fostering innovation, and promoting economic growth through the convergence of Mechatronics, Entrepreneurship, Robotics, Additive Manufacturing, and Virtual Reality.

Quotes from Workshop Organizers:

- Stan Sergiu-Dan, Assoc. Professor: "We are thrilled with the overwhelming response to the MERAM 2023 Workshop. It is evident that the intersection of technology and entrepreneurship is the driving force behind economic growth, and we are excited to see the incredible ideas and collaborations that emerged from this event."

- Emil Teutan, Assoc. Professor: "The success of the workshop reinforces our commitment to pushing the boundaries of innovation. The insights shared here will undoubtedly have a lasting impact on the fields of Mechatronics, Entrepreneurship, Robotics, Additive Manufacturing, and Virtual Reality."

The organizers wish to express its profound gratitude to our esteemed international partners from Ireland, Serbia, and Turkey, whose pre-recorded presentations played a vital role in the success of the MERAM 2023 Workshop.

The Technical University of Cluj-Napoca expresses its heartfelt gratitude to all the participants, companies, and partners who made the MERAM 2023 Workshop a remarkable success.

The Technical University of Cluj-Napoca is a leading educational institution dedicated to fostering innovation, research, and excellence in technology and engineering. With a strong commitment to shaping the future, the university continues to be at the forefront of cutting-edge research and education.









MERAM 2023 Workshop

“Empowering the Future - Mechatronics, Entrepreneurship, Robotics, Additive Manufacturing, and Virtual Reality for Economic Growth”

13:30 AM - 14:00 AM: Registration and venue

14:00 AM - 14:05 AM: Short introduction MERAM 2023 Workshop, presentation of main topics

14:05 AM – 14:10 AM: **Emil Teușan** – “Collaborative e-platform for innovation and educational enhancement in medical engineering” – E-centers proposal

14:10 AM – 14:20 AM: **Inam UL Ahad** - “Digital Transformation: How Additive Manufacturing is leading the way”

14:20 AM – 14:35 AM: **Bogdan Mocan** – “ Breaking Boundaries: Robotic Exoskeletons, VR Technology, and Cardiac Rehabilitation”

14:35 AM – 14:45 AM: **Nikola Vitković**– “Novel educational methodology as a tool for enhancement in medical engineering education”

14:45 AM - 15:00 AM: Coffee break

15:00 AM - 15:15 AM: **Răzvan Păcurar** – “Additive Manufacturing solutions for biomechatronics”

15:15 AM - 15:30 AM: **Cosmin Cotia, Dan Mândru** – “Virtual Reality for upper limb rehabilitation”

15:30 AM – 15:45 AM: **Nina Busarac Nevojdic, Fatima Zivic, Velibor Isailovic** - “Computer supported manufacturing through bioprinting”

15:45 AM – 16:00 AM: **Anca Constantinescu** – “Idea generation in green entrepreneurship”

16:00 AM – 16:10 AM – **Savaş Dilibal** – “Additively manufactured soft robotic systems”

16:10 AM – 16:20 AM – **Julien MAUROUX, Djilali OUADAH, Yassine OUADAH, Jules LAVERGNE, Sébastien CROUZET, Corentin BOUCARD** - "Reproduction of impedance by torque control for servomotor Teknik modelling with Unity"

16:20 AM – Round table and open discussions.