SEMINAR: NEW TECHNOLOGIES IN EDUCATION AND SOCIETY

Detailed Programme

● **Thursday, April 4th**

Serviços Centrais IPV

16H00 Welcoming session and group meetings

1. Marta Malepszak – Best practices in the development of international education programmes and massive open online courses in the area of modern technology
2. Magdalena Sikorska – An evaluation of the Grant Potential of Modern Cyber Security Technologies in the Context of European University Alliances
   Discussion on Exploring Modern Technology in Teaching and Research: Navigating Opportunities and Challenges in European Universities

● **Friday, April 5th**

10H00 Opening session

10H30 Interactive session: Virtual and Augmented Reality – Opportunities and Challenges

1. Paweł Śniatała: Metaversum Initiative
2. Sławomir Michalak & Paweł Śniatała: Metaverse – new opportunities in neurorehabiliation
3. Catarina Sousa: Virtual collaborative environments
4. Michał Rychlik: Virtual engineering in simulations of human technical object interactions
5. Vitalii Ivanov: Virtual Smart Factory: Unlocking Learning Potential

Discussion on educational and societal implications

12H30 Lunch

14H30 Interactive session: New Technologies in Didactics - Opportunities and Challenges

1. Isabel Duarte & Nuno Bastos: Math & AI – Fostering Critical Thinking
2. Cristina Peixoto, Steven Abrantes and Team from IPV Equitativo: A SSENPV'S Inclusive and Equitative Management Platform
3. Mariusz Głąbowski & Said Mahmoudi: Teaching Cybersecurity Technologies in a Virtual Lab
4. Maciej Sobieraj: Cybersecurity of Shared Research and Teaching Infrastructure Technologies in the Context of European University Alliances
5. Michał Weissenberg: Cybersecurity of Virtual Reality Solutions

Discussion on educational and societal implications

16H30 Poster and Demo Session - Augmented Reality (+Coffee Break)

1. Paweł Śniatała: Intro to Demo Session
2. Daria Stekiel & Justyna Trojanowska: Augmented Reality in the Maintenance of Manufacturing Facilities
3. Szymon Baliński: Cybersecurity of Augmented Reality Solutions for Medicine
4. Lia Araújo, Maria João Amante, Alexandre Sampaio & Ricardo Raminhos: Using a Digital Camera for the First Time at 99 Years Old: Benefits of a Photovoice Program
5. Carlos Cunha & Luís Cunha: Autonomous Adaptation of Food Plans
6. Pedro Rito: AR-based book to raise awareness about foster homes context and implications for human development. A case study in Portugal
7. Maria João Silva & Cristina Azevedo Gomes: Sensores as Epistemic Mediators in School at Times of Scientific Knowledge Crisis
8. Carmen Nobrega, Elisabete Silva, Helena Vala & Isabel Brás: Virtual Laboratory-Experiment with a Squid Neuron

20H30 Social Dinner at Hotel Montebelo