

INNOVATION & IMPACT

human-centered solutions for the age of
digital transformation and artificial intelligence
in regional and global contexts

22nd IAFeS NETTIES Conference (Network Entities)

IAFeS - International Association for eScience
in collaboration with European University E³UDRES²

**St. Pölten University of Applied Sciences,
Campus Platz 1, 3100 St. Pölten, Austria
May 19 - 20, 2025**

**www.iafes.net
www.eudres.eu**

22nd IAFeS NETTIES Conference

DAY I – 19 May 2025

- 09:00 CET: **Registration & Welcome Coffee**
09:45 CET: **Welcome at St. Pölten University of Applied Sciences**
Gabriele Permoser (STPUAS & E³UDRES²)
- 10:00 CET: **Pre-Conference Poster-Sessions – Applied Research with Impact**
(Prospective) E³UDRES² Research Centers of Excellence
Local Impulse, Global Waves – Student Innovation
- 12:00 CET: **Lunch Break**
- 13:15 CET: **Official Opening of the 22nd IAFeS NETTIES Conference**
Radu VasIU (IAFeS President, UPT), Hannes Raffaseder (E³UDRES² & STPUAS)
- 13:30 CET: **Workshop – Generative Artificial Intelligence in Manufacturing**
Facilitation: Anna Hintikka, Ville Pahlsten (JAMK, Finland)
- 15:00 CET: **Coffee Break**
- Online-Session I (Chair: Radu VasIU)**
- 15:30 CET: **Navigating Digital Transformation: The Role of Micro-Credentials in Lifelong Learning**
Vlad Mihaescu (UPT, Romania)
- 15:50 CET: **Digital Tools and Techniques for Mastering Engineering Mechanics Concepts**
Daniela Delia Alic, Carmen Inge Alic, Cristina Carmen Miklos, Imre Zsolt Miklos (UPT, Romania)
- 16:10 CET: **From research to real-world impact: Designing human-centric AI solutions for sustainable societal and economic value**
Konstantinos Kalemis (Nat. Center for Local Government and Public Administration, Greece)
- 16:30 CET: **Short Pitches & Discussion**
- Artificial Intelligence and Religions: Unbelievable?
Peter Bender (HFD, Germany)
- Artificial Intelligence and Arts: Uncertainty?
Hannes Raffaseder (STPUAS, Austria)
- GreenTouch: Co-Creating XR for Planetary Health in Occupational Therapy
Sophie Westfahl (STPUAS, Austria)
- 17:00 CET: **Coffee Break**
- 17:15 CET: **IAFeS – International Association for eScience – Past, Present and Future**
- eScience & International academic collaboration – Experiences and recommendations from three decades of IAFeS**
Johann Günther (former IAFeS Secretary General)
- Panel-Discussion**
- 18:00 CET: **Get Together**

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DAY II – 20 May 2025

09:15 CET: **Meet & Greet, Welcome & Introduction**
Radu Vasiu (IAFeS-President)

Session I (Chair: Radu Vasiu)

09:30 CET: **Manipulating AI Systems in the Data Cleansing Stage**
Peter Kieseberg, Simon Tjoa (STPUAS, Austria)

09:50 CET: **Toward Sustainable AI via Computationally Efficient Deep Neural Models**
Cătălin Daniel Căleanu (UPT, Romania); Marina Adriana Mercioni (UMFT, Romania)

10:10 CET: **Artificial Intelligence in Healthcare: Opportunities and Challenges**
Marina Adriana Mercioni (UMFT, Romania), Cătălin Daniel Căleanu (UPT, Romania)

10:30 CET: **Multidisciplinary Cyber Security Tabletop Exercises including Legal Aspects**
Peter Kieseberg, Melisa Gafic, Simon Tjoa (STPUAS, Austria)

10:50 CET: **Coffee Break**

Session II (Chair: Hannes Raffaseder)

11:10 CET: **AI Impact on Higher Education**
Diana Andone (UPT, Romania)

11:30 CET: **Intelligence for Sustainability – A Use Case in Food Waste Reduction**
Peter Kieseberg (STPUAS, Austria)

11:50 CET: **Uncovering AI-Powered Research and Education Infrastructure: A Linux-Based Approach for Ethical and Scalable Integration**
Robert-Nicolae Bejinaru (UPT Master Student, Romania)

12:05 CET: **How to look at the New Age of Digital transformation and AI from the Higher Education, Research and Innovation point of view**
Tatiana Perna (UPT Master Student, Romania)

12:20 CET: **Lunch Break**

Online-Session II (Chair: Radu Vasiu)

13:30 CET: **Human-Centered Analysis of Ocean Climate Changes Driven by Innovations in AI, IoT, and Citizen Science**
Muguras Mocofan, Dan Mihailescu (UPT, Romania)

13:50 CET: **Bridging the AI innovation gap: Strengthening regional ecosystems through human-centered digital transformation**
Konstantinos Kalemis (Nat. Center for Local Government and Public Administration, Greece)

14:10 CET: **Challenges in popularizing Blockchain Technologies among non-technical audiences**
Andrei Ternauciuc, Victor Holotescu, Carmen Holotescu (UPT, Romania)

Session III (Chair: Diana Andone)

- 14:30 CET: **The Role of Cross-Industry Collaboration in Ethical AI Development**
Anathi Sokhetye, Mzuchumile Makalima (MATE, Hungary)
- 14:50 CET: **Blockchain Technologies in Higher Education**
Radu VasIU (UPT, Romania)
- 15:10 CET: **Blockchain Innovation for Social Impact**
Bunea Sergiu (UPT Master Student, Romania)

15:30 CET: **Coffee Break**

Session IV (Chair: Hannes Raffaseder)

- 16:00 CET: **Where You Come from Matters: Racial Sentiment Bias in Large Language Models**
Beatrice Steiner (STPUAS, Austria)
- 16:20 CET: **Graffiti, Locality, and the Crisis of Authenticity**
Yulia Belinskaya (STPUAS, Austria)
- 17:20 CET: **22nd IAFES Netties Conference – Summary, Conclusions, Closing & Farewell**
Radu VasIU, Hannes Raffaseder (IAFeS)

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