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2nd FORTHEM Annual conference 2025 - PRESENTER's badge

Badge Awarded to

MYKHAILENKO Halyna

This badge recognizes the attendee's valuable contributions, active involvement in the academic community, and significant input towards advancing knowledge and innovation in the field.

#conference #FORTHEM #research

Issued on: 2025-03-15

Issuer

FORTHEM
forthem@u-bourgogne.fr
https://www.forthem-alliance.eu

Criteria

About the conference:

2nd Annual FORTHEM Conference – Connecting Worlds of Science and Society took place on **January 29-31, 2025**. It was organized and attended by the academic community of **9 universities** of the FORTHEM Alliance:

- Jyväskylän yliopisto, Finland
- Université de Bourgogne, France
- Johannes Gutenberg-Universität Mainz, Germany
- Università degli Studi di Palermo, Italy
- Latvijas Universitāte, Latvia
- Universitetet i Agder, Norway
- Uniwersytet Opolski, Poland
- Universitatea Lucian Blaga din Sibiu, Romania
- Universitat de València, Spain

as well as *external partners of the FORTHEM Alliance*.

General sessions:

- Navigating the challenges and opportunities of diversity and migration
- Enhancing multilingualism and learning in schools and universities
- Ensuring safety, nutrition, and sustainability
- Shaping the future through digital transformation
- Climate Change and resource management: strategies for a sustainable future
- Cultural exchanges and integration in the 21st century Europe
- Improving life quality and resilience amid demographic shifts
- Art and Aesthetics as critical infrastructure in an uncertain world
- Preserving cultural heritage - balancing tradition and modernity
- AI-driven realities: embracing the future of human and machine synergy

Cross-disciplinary sessions specially targeted for Early-Stage researchers:

- Social Sciences, Humanities and Arts: insights from next-gen researchers
- Natural and Life Sciences: insights from next-gen researchers

Conference in numbers:

The conference spanned **3 days**, offering **12 thematic sessions** with over **100 presentations and posters**, totaling **15 hours** of engaging content attended by more than **350 participants**.

The recipient of this badge was selected based on fulfilling the following criteria:

1) Attendance: The individual must have attended the conference sessions or events as well as at least one of the following:

2) Active Participation: Demonstrated engagement through asking questions, contributing to discussions, or participating in workshops.

3) Contribution to Community: Showcasing efforts to foster a sense of community by networking, collaborating with peers, or sharing insights.

4) Feedback and Reflection: Providing constructive feedback or reflections on the conference content or organization.

additionally:

5) Knowledge Sharing: Demonstrating knowledge sharing through presentations, posters, or discussions

by presenting:

[MYKHAILENKO, Halyna]"Art and Aesthetics as Critical Infrastructure in an Uncertain World"

within session

"Art and Aesthetics as critical infrastructure in an uncertain world, chaired by Dr. Marius L. Igland (Universitetet i Agder, Norway) and Dr. Elżbieta Nieroba (Uniwersytet Opolski, Poland)"

For more information, please access the CONFERENCE PLATFORM https://conferences.lu.lv/event/604/

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Innovative Approaches to Addressing Cognitive Impairments: The Synergy of Education, Culture, and Digital Technologies

Mykhailenko Halyna,

Poltava State Agrarian University, Poltava, Ukraine

Background: Cognitive impairments are becoming an increasingly relevant issue in modern society, especially among at-risk groups such as individuals who have recovered from COVID-19 and those at risk of dementia. Scientific research shows that cultural stimulation and active learning can positively influence cognitive functions, but the question of which approaches are most effective for different groups of participants remains open.

Aim: To develop and investigate a program for the prevention of cognitive impairments using an integrated approach that includes methods of active learning, psycholinguistic elements, and cultural stimulation (music, art, literature, cuisine). The program is designed for both learning English as a second language (L2) and working with the native language (L1).

Methods: The research will employ experimental and observational methods, including: Memory, cognitive flexibility and attention tests. Linguistic tests to assess progress in learning language structures and vocabulary. Questionnaires and interviews to collect data on participants' perceptions of cultural stimuli and adaptation. Sociolinguistic surveys to study intercultural communication. Experimental sessions with different participant groups, including control groups. Criterion-based tests to evaluate critical thinking and creativity. The study will not be limited to these methods and may include additional approaches as necessary to provide a comprehensive analysis.

Results: The program is expected to improve memory, attention, cognitive flexibility, and creativity, with cultural and linguistic elements enhancing emotional engagement and motivation. It will consider differences among groups (healthy adults, COVID-19 recovery, at-risk dementia, and dementia prevention). The program can also support people who have experienced armed conflicts, integrating cultural and psychological elements to reduce stress and improve social adaptation. Active learning and psycholinguistic support will aid cognitive restoration and emotional well-being. Preliminary results show positive trends, supporting the approach’s potential for successful implementation and further development in cognitive development, social adaptation, and inclusive solutions.

Conclusion: This integrated approach combining active learning, cultural stimulation, and psycholinguistics effectively prevents cognitive impairments and enhances cognitive processes. It supports social integration, improves quality of life, and promotes cognitive health. The digital laboratory is crucial for monitoring, analyzing, and adapting the program to individual needs. By offering innovative solutions for motivation, engagement and learning, it will significantly enhance the effectiveness of the program and provide a strong foundation for its successful development and future expansion.

Acknowledgements: Thank the participants for their support. There are no conflicts of interest. The project was carried out without external funding, as part of my educational initiatives.

References:

1.Melnychuk I. V. Neuropsychological features of memory impairment and their rehabilitation / I. V. Melnychuk, I. G. Pavlova, K. V. Sydorenko // Current problems of practical psychology: collection of scientific works of the All-Ukrainian scientific-practical Internet conference (May 19, 2023, Odessa). Odesa, 2023. – P. 211-214. dspace.pdpu.edu.ua/jspui/handle/123456789/18566

2. Lucyk I.(2022). Ontological model of an adaptive software system for people with cognitive impairments Youth Scientific League. DOI 10.36074/27.11.2020.v2.04