

# ICL2024 Special Session Call for Papers

## Title

Innovative Approaches to STEAM Education and Music Therapy  
through Emerging Technologies

## Acronym

IA-STEAM-MT

## Overview

*In today's rapidly evolving digital landscape, the intersection of artificial intelligence (AI), Science, Technology, Engineering, Arts, and Mathematics (STEAM) education, and music therapy presents a promising frontier for transforming interactive collaborative learning experiences. The "Innovative Approaches to STEAM Education and Music Therapy through Emerging Technologies" (IA-STEAM-MT) session aims to explore the intersection of new technologies, particularly AI, with STEAM education and therapeutic practices, leveraging music therapy for holistic learning and well-being. We invite researchers, educators, technologists, and therapists to share their insights, methodologies, and success stories in integrating AI-driven tools, virtual reality, augmented reality, and interactive music technologies into educational and therapeutic settings. The session will foster interdisciplinary discussions, showcasing cutting-edge approaches, and fostering collaborations to shape the future of interactive collaborative learning.*

## Topics

Authors are invited to submit complete papers for the IA-STEAM-MT Special Session (no abstracts needed). The topics cover all aspects of connectivity for Emerging Technologies in STEAM Education and Music Therapy, including but not limited to the following:

- *Artificial Intelligence (AI)*
- *Music therapy*
- *Internet of Things (IoT)*
- *Creative solutions in STEAM Education*
- *Remote sensing and monitoring*
- *Cloud and Edge Computing*
- *Lifelong Learning*
- *Cybersecurity*
- *School – University-Industry Collaborations*
- *Smart Homes and Systems (Illumination control, Automation, Monitoring, etc.)*

## Program Committee

### Chair(s)

1. MODRAN Horia Alexandru, Transilvania University, Brasov – Romania;  
[horia.modran@unitbv.ro](mailto:horia.modran@unitbv.ro)
2. RUCSANDA Madalina – Transilvania University, Brasov – Romania;  
[m\\_rucsanda@unitbv.ro](mailto:m_rucsanda@unitbv.ro).

### Members

1. URSUȚIU Doru - Transilvania University, Brasov – Academy of Romanian Scientists, AOSR, [ursutiu@unitbv.ro](mailto:ursutiu@unitbv.ro)
2. SAMOILĂ Cornel - Transilvania University, Brasov – Technical Sciences Academy of Romania ASTR, [csam@unitbv.ro](mailto:csam@unitbv.ro)
3. Simona Vasilache - University of Tsukuba – Japan,  
[vasilache.simona.qm@u.tsukuba.ac.jp](mailto:vasilache.simona.qm@u.tsukuba.ac.jp)
4. BOGDAN Ioana Corina – Transilvania University, Brasov – Romania;  
[corina.boqdan@unitbv.ro](mailto:corina.boqdan@unitbv.ro)
5. Lilia Aljihmani - University of Chemical Technology and Metallurgy – Bulgaria,  
[l\\_aljihmani@uctm.edu](mailto:l_aljihmani@uctm.edu)
6. GHERMAN-DOLHĂSCU Elena-Catalina – Transilvania University, Brasov – Romania,  
[elena.dolhascu@unitbv.ro](mailto:elena.dolhascu@unitbv.ro)
7. CHAMUNORWA Tinashe – Transilvania University, Brasov – Romania,  
[chamunorwa.tinashe@unitbv.ro](mailto:chamunorwa.tinashe@unitbv.ro)
8. Arcelina Marques - School of Engineering – PORTUGAL, [mmr@isep.ipp.pt](mailto:mmr@isep.ipp.pt)
9. BELIBOU Alexandra – Transilvania University, Brasov – Romania,  
[alexandrabelibou1@gmail.com](mailto:alexandrabelibou1@gmail.com)