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Type: **Poster**

Embodied Narratives for Physics Education: Bridging Concepts, Emotions, and Movements

Monday 30 June 2025 16:30 (1 hour)

Physics is often taught as a purely intellectual subject, disconnected from the body and emotional engagement, particularly in undergraduate STEM courses. In Milan, in the “Preparation of Didactical Experiences 1” course for master’s students in Mathematics or Physics, we integrate 20 hours of embodied activities within an inquiry-based learning process. These activities, including scientific representation and music, emphasize the interplay of disciplinary understanding, personal meaning, and emotional involvement. Students report deeper comprehension and engagement through collective movements, physical simulations, and interactive exercises. This work presents simple embodied activities used in the course, demonstrating their effectiveness in fostering active, holistic learning.

Education level

Age over 18 (excluding teacher education)

Physics topic

Other

Research focus

Innovative instructional strategies and pathways

Research method

Practitioner’s Inquiry / Action Research (Qualitative research)

Organizing preference criteria

Education level

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