

Experience STEAM: Synergies in Action!



Kristóf Fenyvesi, Ph.D. (b. 1979) is a researcher of **STEAM** (Science, Technology, Engineering, Arts and Mathematics), trans- and multidisciplinary learning and contemporary cultural studies at the **Finnish Institute for Educational Research, University of Jyväskylä, Finland** (<https://ktl.jyu.fi/en>). He is member of the **Research Group for Innovative Learning Environments** and the **Research Group for Education, Assessment & Learning**.

Fenyvesi is **Community Events Director** of the **Bridges Organization** (www.bridgesmathart.org), the world's largest education community for the mathematics and the arts. He has been the editor of the annual **Bridges conference's Workshop Paper track** and coordinator of the **Bridges Public Day** (www.familyday.hu) since 2011. In 2014 he became a full member of the **European Academy of Sciences and Arts**. Since 2016, he has been member of the **European Mathematical Society's Committee for Raising Public Awareness**. Between 2013-2017 he served as the **chief executive officer** of the **International Symmetry Association** (www.symmetry.hu) and in 2008 he launched **Experience Workshop—Global STEAM Network** (www.experienceworkshop.org). He was invited by the **European Commission** to serve as the **STEAM expert evaluator of various H2020 and Erasmus+ projects**.

His main areas of research are mathematics and art connections in learning; STEAM education; inquiry-based, cooperative, playful and experience-oriented approaches in mathematics education; problem-solving in mathematics, in science and art education; connecting hands-on activities and digital modeling in mathematics, science, art and design education; science & art connections in learning; phenomenon-based, multi- and transdisciplinary learning and co-teaching; inter-, cross-, multi- and transdisciplinary management and trans-curricular leadership in education; interdisciplinary aesthetics and philosophy.

Fenyvesi's articles were published among others in *The Notices of the American Mathematical Society*, *MAA Focus – Newsmagazine of the Mathematical Association of America*, *Nexus Network Journal*, *The Mathematical Intelligencer* and *Comparative Philosophy*. He contributed chapters to various prestigious education books, and also edited math-art-education handbooks, including *Aesthetics of Interdisciplinarity: Art and Mathematics* (Springer-Birkhauser, 2017. Together with Tuuli Lähdesmäki) and other resources of mathematics & arts learning. Many of his publications are open access. He is editorial board member of several scientific journals, including Taylor & Francis' *Journal of Mathematics and the Arts*. Fenyvesi is a very active organizer and contributor of international scientific events, education programs, exhibitions, STEAM workshops and festivals, including the **International Mathematical Science Creativity Competitions in Seoul (Korea)**, **Science Agora in Tokyo (Japan)**, **Open Design Africa in Cape Town (South Africa)**, or **Ars Electronica Festival in Linz (Austria)**.

Fenyvesi is the local coordinator of several Erasmus+, H2020 and other research programs at the **University of Jyväskylä**.

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