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Title: **Geri Hahn Art DreaMR: Modelling Synesthesia with Mixed Reality and Music.**

Dr Svetlana Rudenko, Geri Hahn, Xiangpeng Fu and Prof. Mads Haahr, Trinity College Dublin.

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“Geri Hahn Art: Living Out Loud MR”(2025) features the art of an artist-synesthete from New Jersey, who uses her cross-sensory synesthesia as a creative inspiration. The app includes music by Svetlana Rudenko (Piano) and Mads Haahr (Synths), composed to transfer the art expression into music language using a unique multisensory design approach where art palette and shapes are translated into music. Recorded talks with the artist give insights into her life in art, her inspiration and her craft of expression. Xiangpeng Fu painted 3D versions of Geri Hahn's painting "I sit outside, drink my coffee and draw" and programmed it for interactivity, such that you can play with the geometric shapes of the art. The DreaMR series (“Exploring Dreaming with Mixed Reality”) engages with the human experience of dreaming through art, music and consciousness science. Using MR, we approach dreaming like surrealist paintings: experiences that reside halfway between the visible and the invisible. MR technology positions the audience in a liminal space that blends the real with the un-real, the conscious with the unconscious, the physical world with the world of dreams. The series lets you embody the experience of art through Mixed Reality. In addition to being interactive music/art experiences, the DreaMR series are also part of our ongoing research into multisensory design and neuroaesthetics with Mixed Reality.

Video of the experience: <https://www.youtube.com/watch?v=X8-M5SIjCWk>

Link to MR app for Meta Quest 3: https://www.meta.com/en-gb/experiences/geri-hahn-art-mr/28841608658759521/?srsltid=AfmBOooGf-ccRZglgfnqgmDqCMwCgyBK0j6EkDJ_Wcp8dQYxgXTCGiw5

