Research project and supervisory team

Supervisory Team	Filipo Gilardi: Filippo Gilardi - University of Nottingham Ningbo China Matthew Pike: Matthew Pike - University of Nottingham Ningbo China
Short introduction & description of research project	This practice-based project investigates the design and evaluation of adaptive generative audio-visual neurofeedback systems. The core question asks whether latent-space generative navigation (LSGN)- wherein a user's brain activity negotiates the latent manifold of a generative model - produces more sustained aesthetic engagement and more effective neural state modulation. Grounded in artistic practice in immersive generative audio-visual environments, the project employs Research Through Design to develop and evaluate closed-loop neurofeedback instruments. The primary contribution is a design and evaluation framework for adaptive aesthetic modulation in Brain-computer interfaces (BCI) art systems, validated through participant studies.
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