

## TesserACT

**VALERIO PERNA**

*POLIS University*

**LEDIAN BREGASI**

*POLIS University*

TesserACT represent the desire to investigate the fourth dimension in the context of topology through a reflection on time, the component constituting the unified four-dimensional space-time wherein all events of our universe occur and exist. Through the use of AI and neural networks, the central hall of POLIS University has been scrutinized, enlarged, altered, and morphed until the original spaces persist, albeit concurrently compressed into a fourth-dimensional realm wherein the initial coordinates are reassessed through the temporal perspective. In the Tetraspace, the object is seen simultaneously from multiple points of view symbolizing the representation of higher dimensions, consciousness expansion, and the interconnectedness of all things. The image wants to witness how the syntax-based relationships at the core of AI tools could offer new perspectives on comprehending and exploring the space that surrounds us expanding its realm and time of existence. TesserACT comprises in itself a great set of values, compositional rules, and aesthetic sensibilities filtered through the lens of time in an artificial intelligence-driven process where reality blends with the unknown and the possibilities of extracting meaningful patterns in the magmatic chaos of a large dataset. The slow composition of the final image through a series of recursive iterations in the software recalls the cubist fracturing of the picture frame and finds its *raison d'être* in a space-time relation.

**Drawing.** Original artwork by Valerio Perna and Ledian Bregasi, generated with Midjourney AI

