CASCADING PRINCIPLES

Expansions within Geometry, Philosophy and Interference

Cascading Principles: Expansions within Geometry, Philosophy, and Interference brings together more than forty sculptures which have been produced over the last seventeen years. These pieces, placed across three floors, will co-exist with the Institute's unique architecture and the intellectual concerns of its occupants as explorers at the boundaries of knowledge. The artworks are placed in public and private areas, forming a web of relationships and correspondences which emerge as the viewer moves through the building.

Conrad Shawcross models scientific thought and reasoning within his practice. Drawn to mathematics, physics, and philosophy from the early stages of his artistic career, Shawcross combines these disciplines in his work. He places a strong emphasis on the nature of matter, and on the relativity of gravity and entropy. Like a scientist working in a laboratory, he constructs each idea from a single unit. If an atom is the basic unit for physicists, his is a tetrahedron. This curious, four-surfaced, triangular prism informs and is the foundation of many of his works, as well as his philosophical and mathematical explorations.

Cascading Principles: Expansions within Geometry, Philosophy, and Interference will be accompanied by a four-part symposium, with events taking place throughout the year of the exhibition. Scholars and researchers from Oxford Mathematics will be paired with artists and philosophers for talks that will foster cross-fertilisation of thought and creativity. The symposium series is organised in partnership with Modern Art Oxford and Ruskin School of Art (TBC), evoking the collaborative ethos of Shawcross's artistic practice.

The exhibition Cascading Principles, Expansions within Geometry, Philosophy, and Interference is curated by curator and writer Fatos Ustek, and is organised in collaboration with the Mathematical Institute in Oxford.

The exhibition is generously supported by XTX Markets, hosted by the Mathematical Institute, University of Oxford.
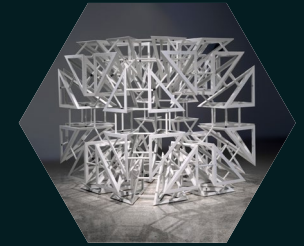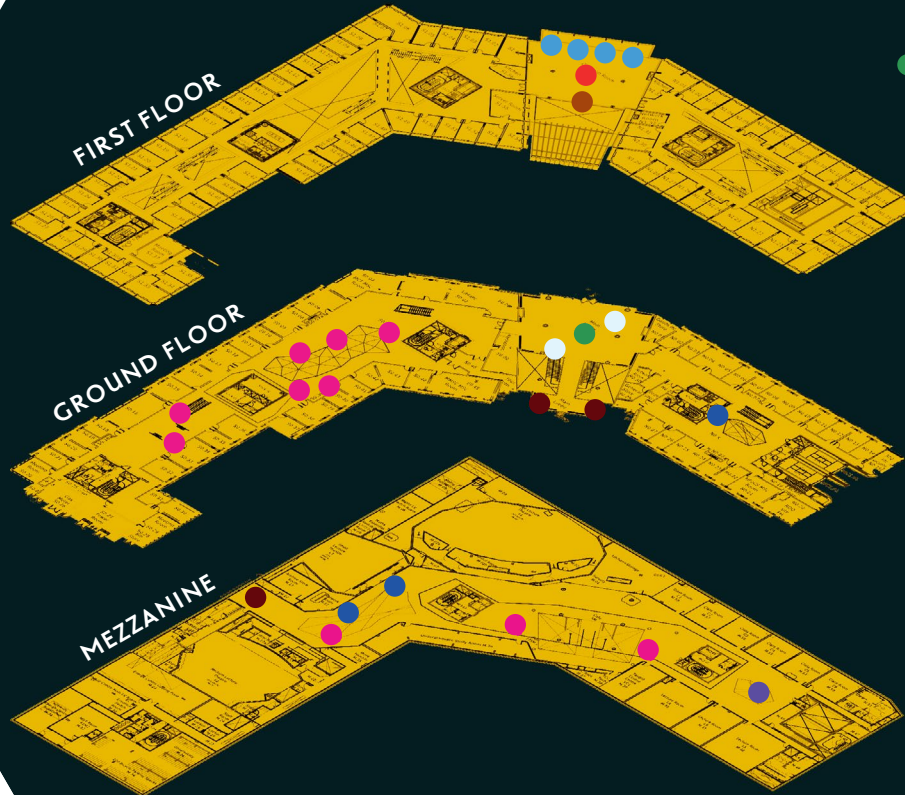
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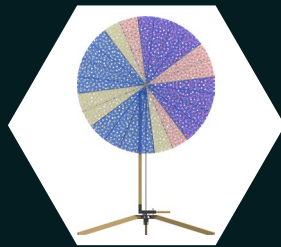
Beacons

The Dappled Light of the Sun

Schism

Bicamerals

Paradigms

Perimeter Studies

FIRST FLOOR

GROUND FLOOR

MEZZANINE

Lattices

Perimeter Studies

Bicamerals

Paradigms

Axiom