## SACRED GEOMETRY AND <br> ARCHITECTURE

## arêka <br> Arquitectura Biológica

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# THE MESOCOSMOS AND BIOLOGICAL ARCHITECTURE. 

## 2.3- Fractal vision connects the microcosm with the macrocosm

The fractal cuboctahedron is the geometric basis proposed by the physicist N. Haramein as the basic underlying principle that governs the way in which the physical universe manifests itself. It consists of 64 equilateral tetrahedron arranged in a cube (a tetrahedron is the simplest of the 5 Platonic solids, composed of 4 equilateral triangles). It is both a fractal cuboctahedron and tetrahedron star. The cuboctahedron or equilibrium vector - as Buckminster Fuller called it because all the central radiating vectors have the same length as the surrounding outer vectors, creating equilibrium - is composed of 8 tetrahedron pointing inwards. The star tetrahedron is composed of 8 tetrahedron pointing towards outside, that surround a central octahedron. This complementary pairing creates a balance between the radiating and contracting principles that govern all manifestation.

