



## **The hexagonal challenge**

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### **ABSTRACT**

The first systematic study of Nature's architecture was carried on by Johannes Kepler (1571-1630) in *The Six-Cornered Snow Flake. A New Year's Gift* (1611). This book, in which Kepler analyzes the constructive properties of the hexagon, set a milestone in the use of mathematics to understand the architecture of the Universe. Starting with Kepler's text, we use some emblematic buildings to reflect over some of the advantages and challenges of using hexagons as constructive elements in architecture.



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