BENOIT CHARBONNEAU, University of Waterloo

A very large and heavy display of 4d geometry

Inspired by the idea to make math visible, I led a project to assemble 21,360 pieces of plastic Zometools into a 3 meters wide 3d projection of a 4d polytope called the omnitruncated dodecaplex. This is a story of success and failure: the story how I had to figure out the complex and beautiful mathematics behind this project, and how I failed to account for the physics.