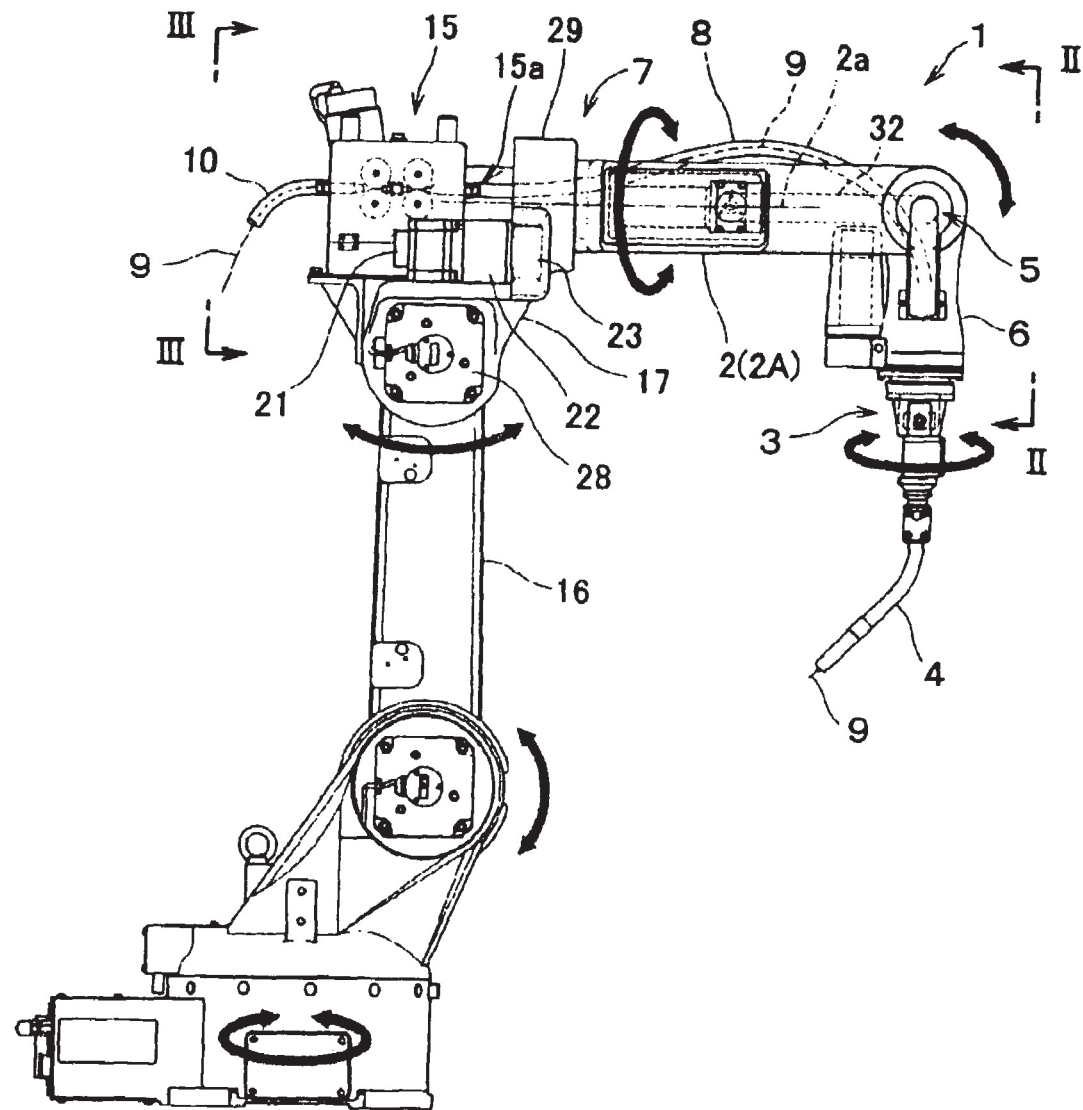
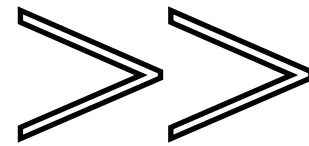


Design >> *Analysis* >> *Fabrication* | *Assembly*
& & &
Modeling *Simulation* *CAM*

Automation



United States Patent 7202442

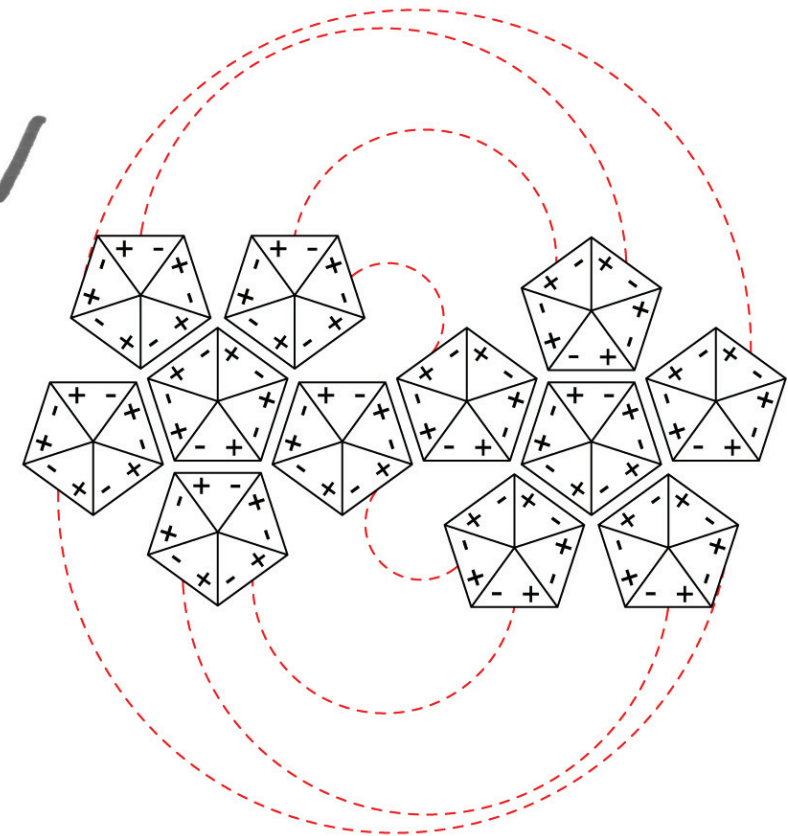


Self-Assembly





Materials & Geometry



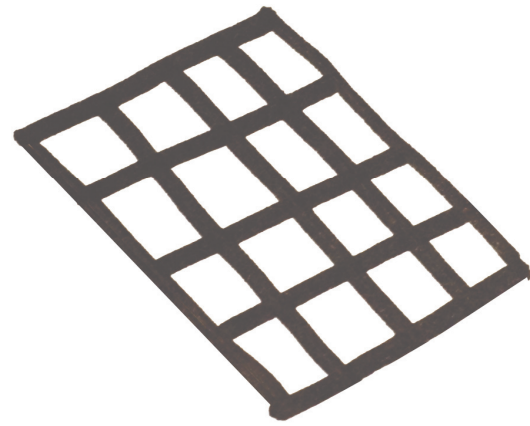
Interactions



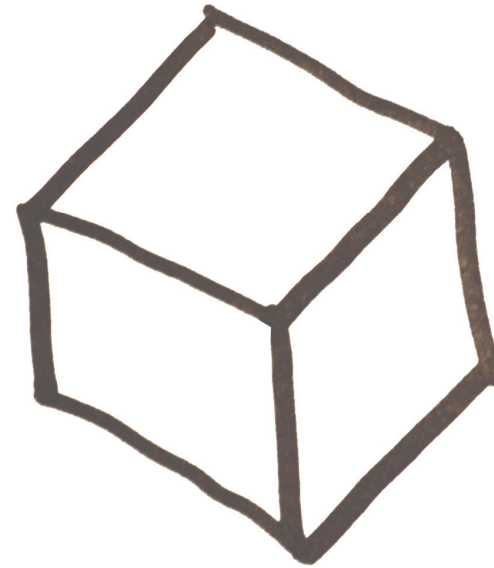
Energy



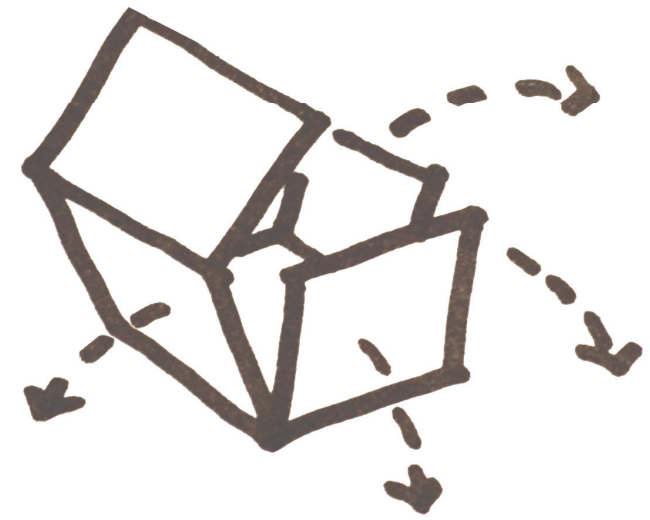
1D



2D



3D

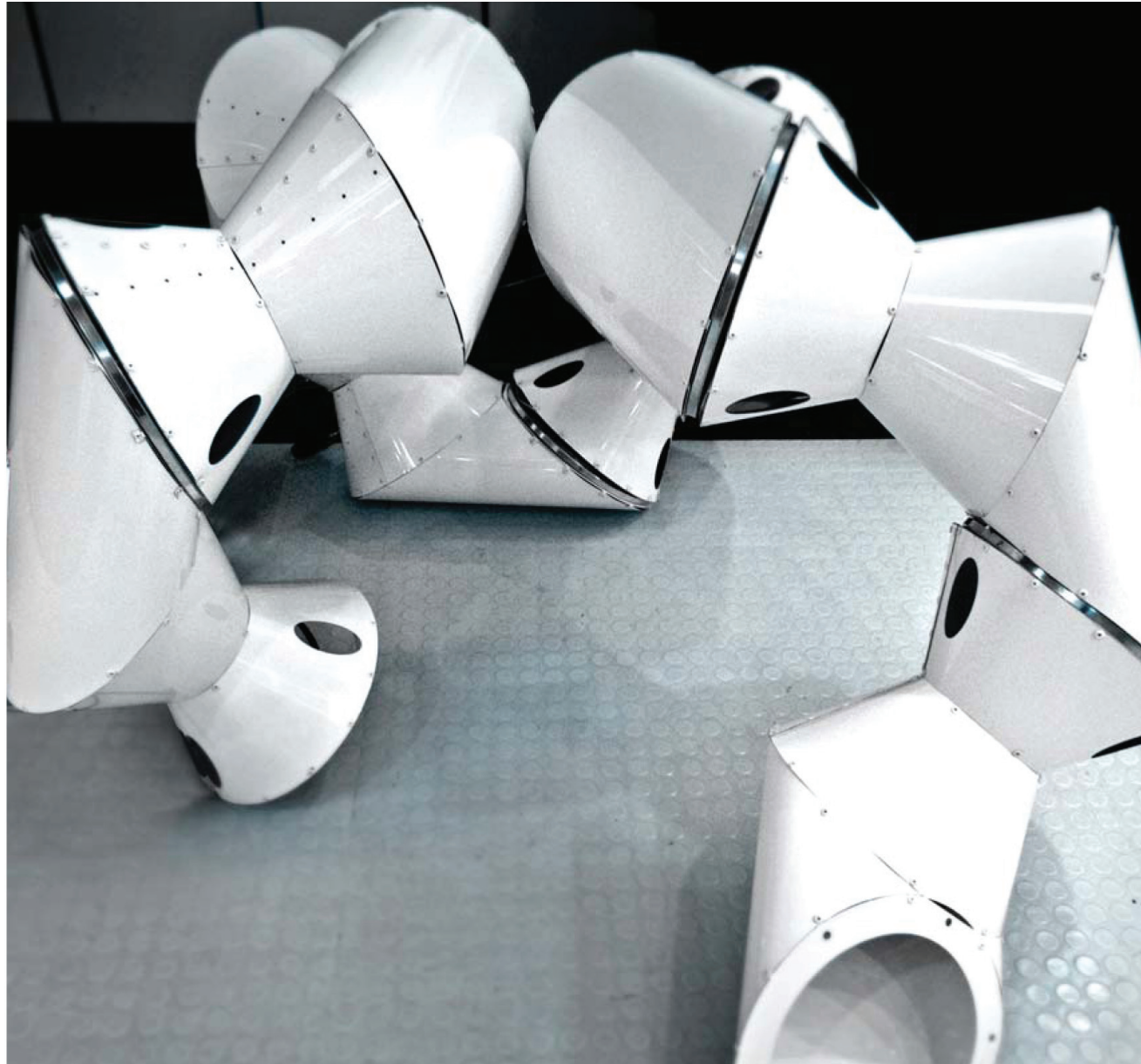


4D...

Macrobot & Decibot



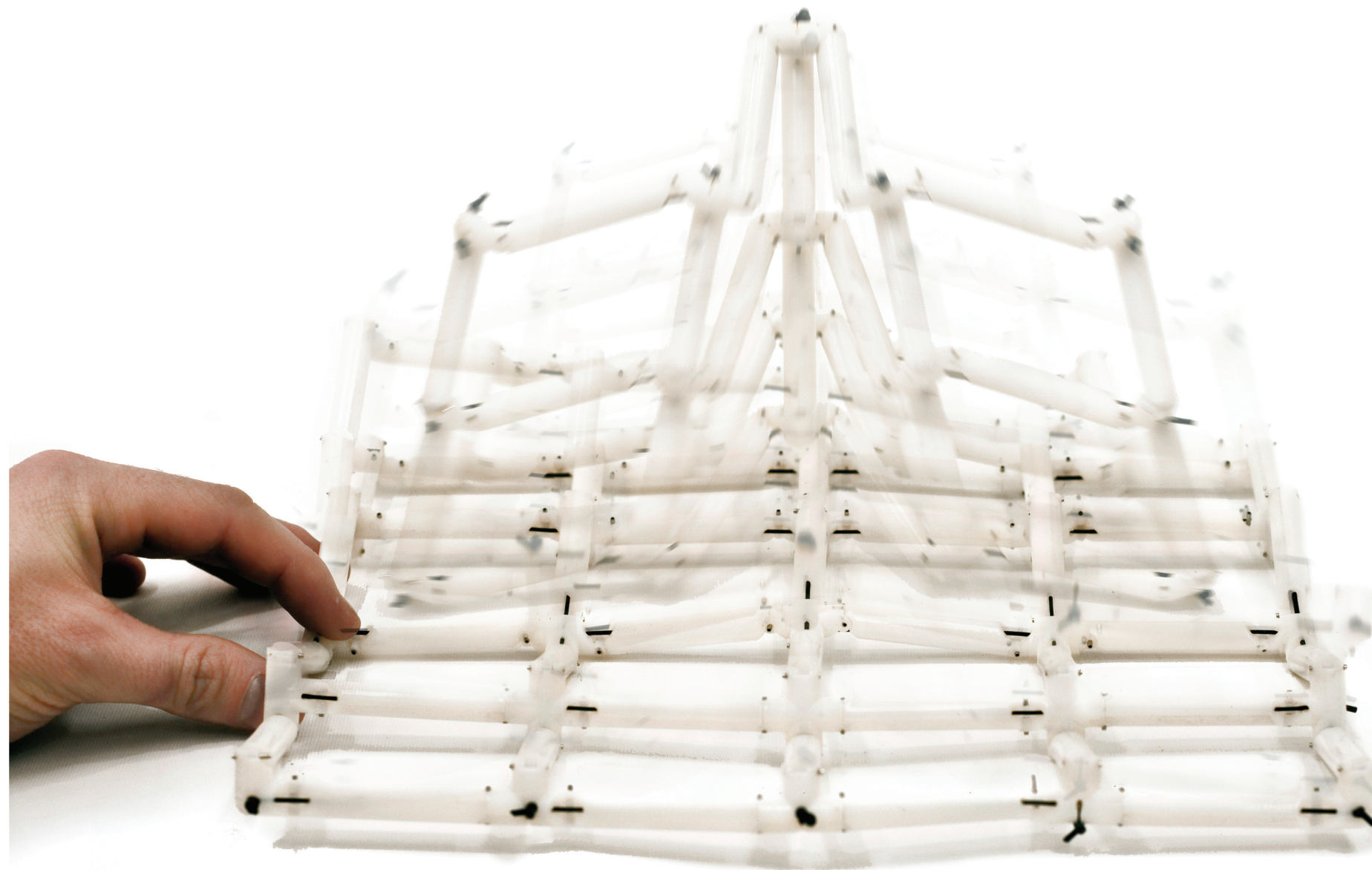




Self-Folding Proteins



Self-Folding Surfaces



BioMolecular Self-Assembly

TED GLOBAL 2012



SKYLAR TIBBITS | SJET & MIT

ARTHUR OLSON | THE SCRIPPS RESEARCH INSTITUTE

AUTODESK RESEARCH | AUTODESK INC.

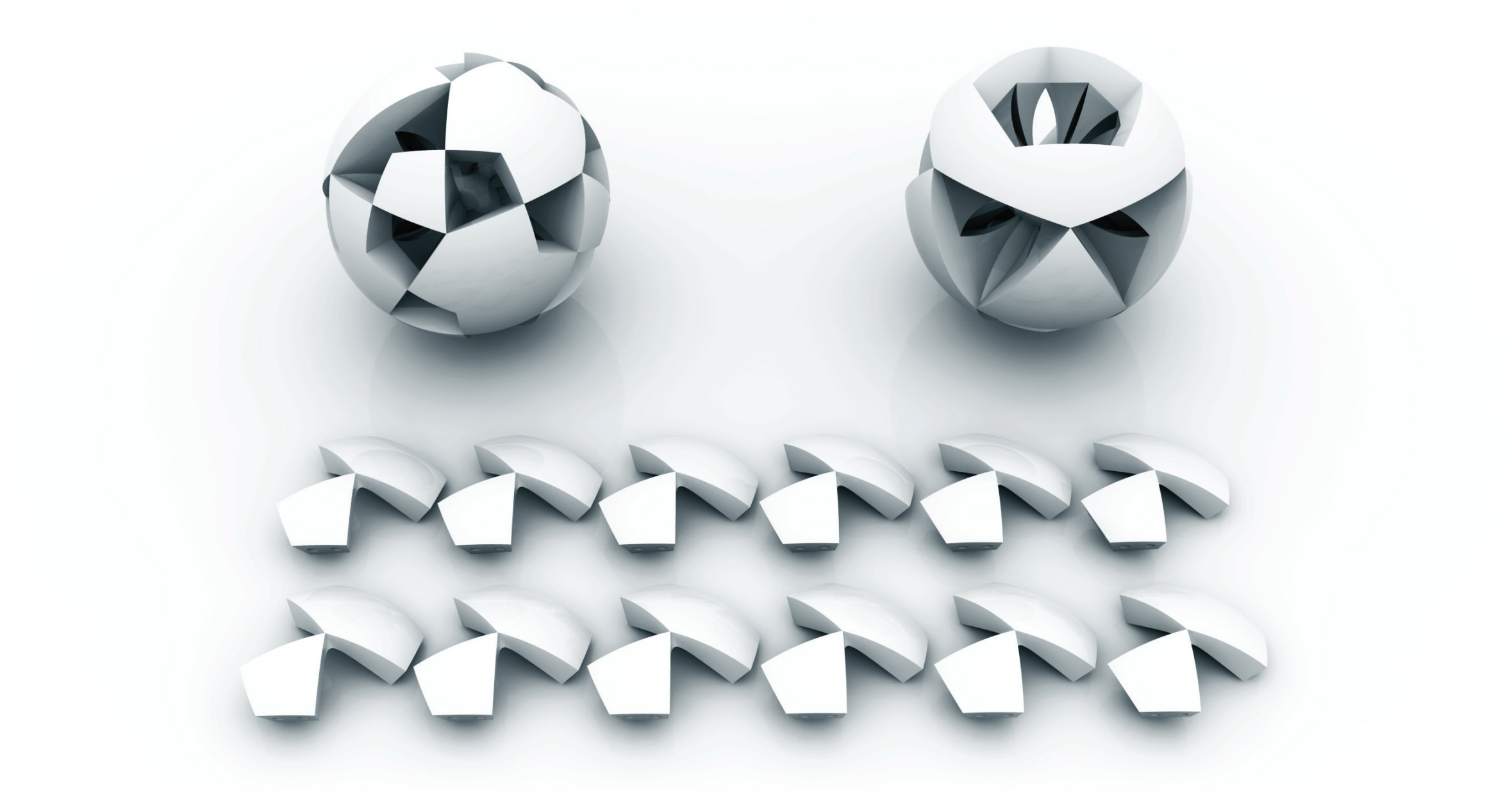


Chiral Self-Assembly



SKYLAR TIBBITS | SJET & MIT
ARTHUR OLSON | THE SCRIPPS RESEARCH INSTITUTE
AUTODESK GALLERY | AUTODESK INC.





High Yield Self-Assembly



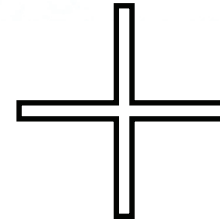
Self-Assembly Line

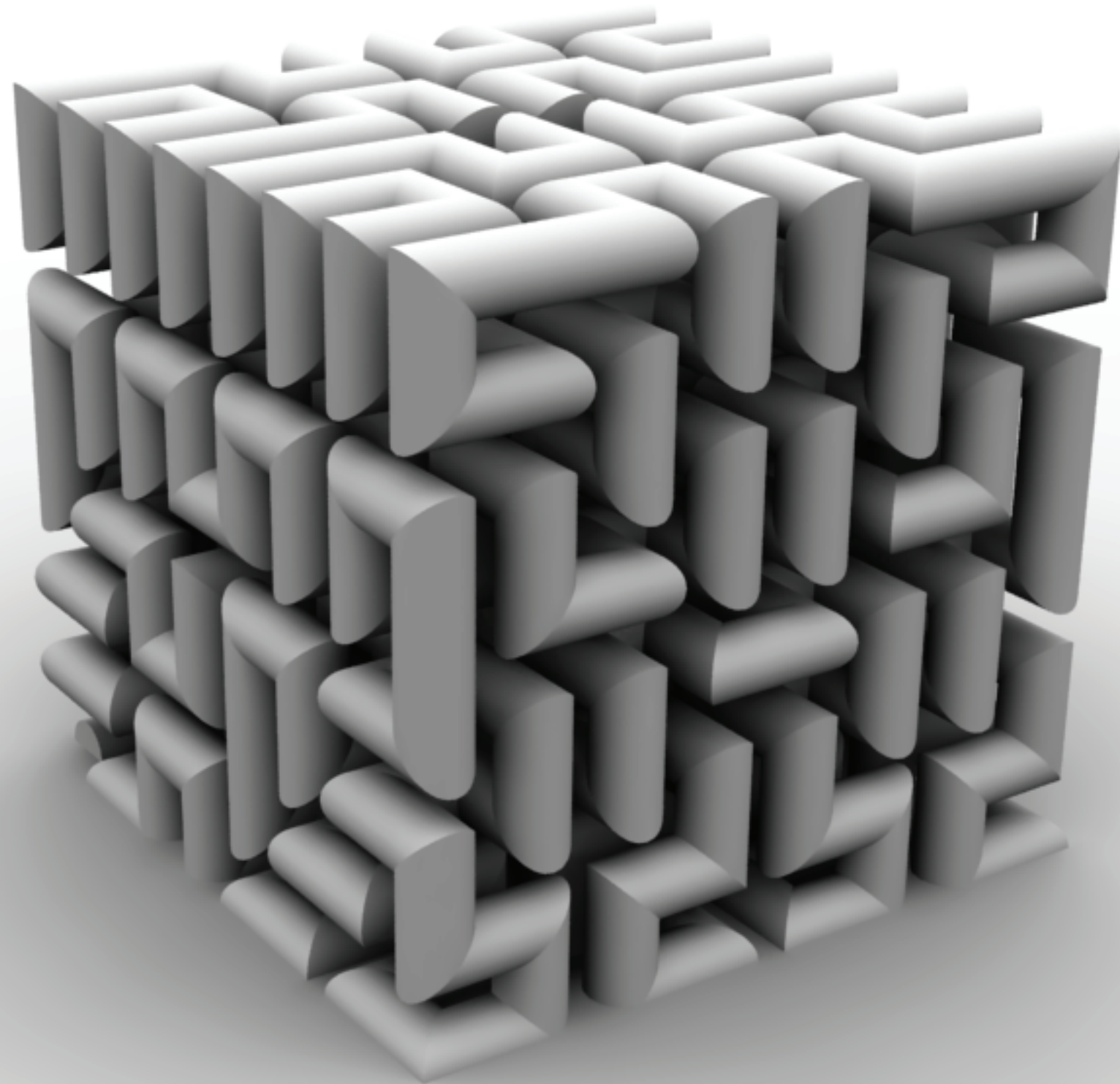


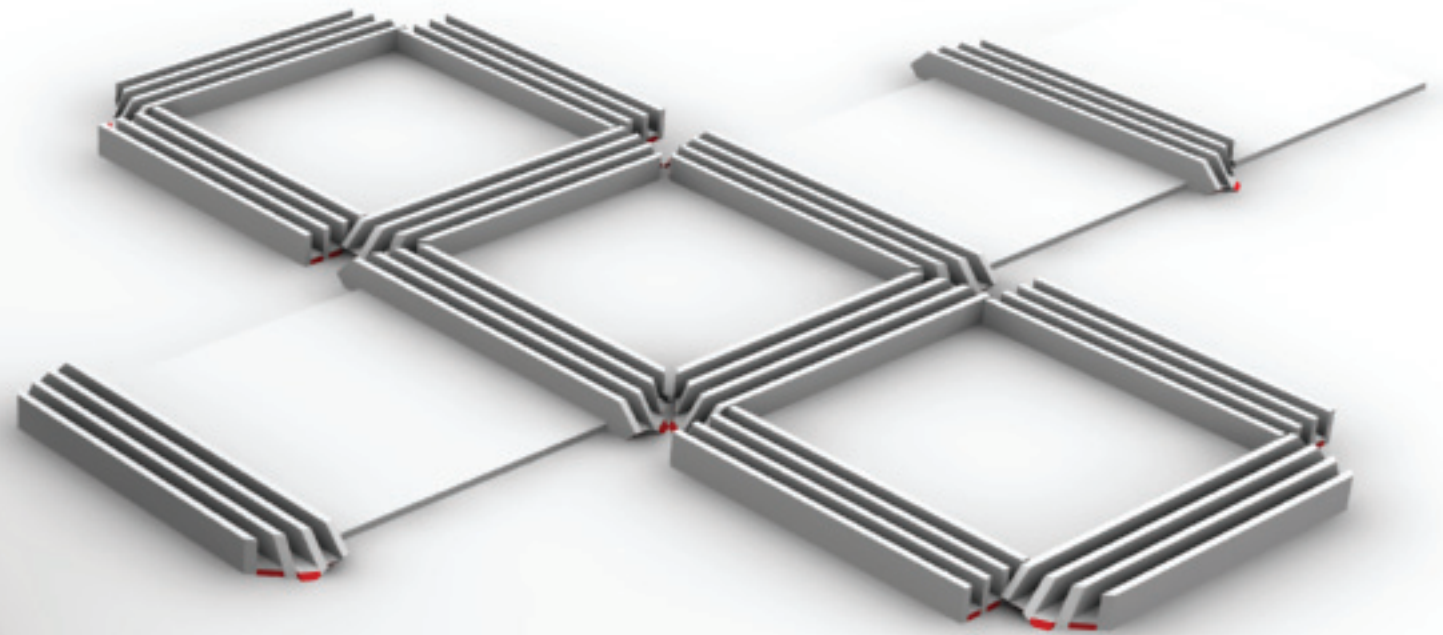
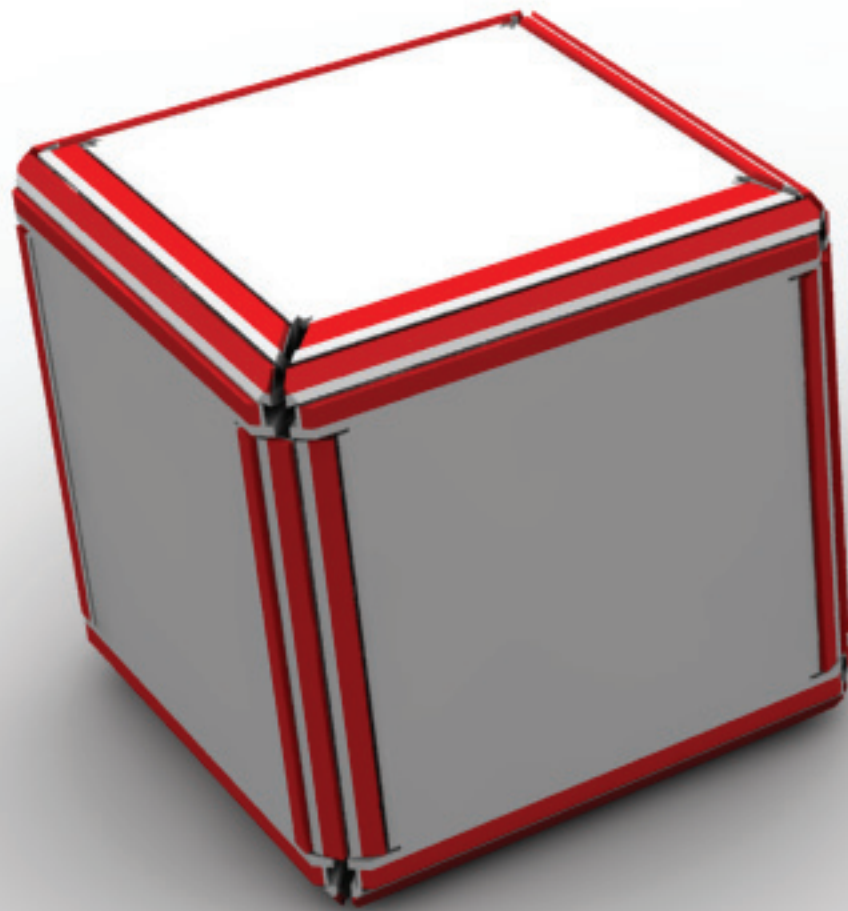




4D Printing: Multi-Material Shape Change







Construction



Manufacturing



Infrastructure

