

MATTHEW DAVIS BSME

VP Engineering

Matthew began his work at Hoberman as an engineer for the company's largest sculptural installations, and was the lead mechanical designer for a 22 meter retractable arch for the 2002 Salt Lake City Winter Olympic Medal Ceremonies. In 2006, he designed a 12 meter expanding double helix for the Discovery World Museum in Milwaukee, Wisconsin. Most recently, he was the project leader for the 380 square meter expanding screen that serves as the centerpiece for the U2 360° world tour. His expertise in geometric and kinematic rationalization was essential in designing the largest moving LED screen ever built.

In addition to large sculptural projects, Matthew has been integral in the growth of Hoberman's product development capabilities. Some of his award winning designs include; the Sonic FX Musical Sphere, the Brain Twist Transforming Puzzle, and the Switch-Pitch color changing ball. In 2006 he designed the RDS tent system for Johnson Outdoors, currently the fastest deployable tent on the market that meets all of the US Marine Corp's stringent field requirements. Matthew shares a number of patents and patent's pending with Chuck Hoberman for these designs.

In his spare time Matthew enjoys competing in endurance races, having completed numerous marathons and half-Ironman triathlons and has summited Mt Kilimanjaro. In 2000 he completed the world's longest annual open water swimming race, the Manhattan Island Marathon Swim, a delightful 28.5 mile swim around the entire island of Manhattan.

Disciplines	Mechanical Engineer, Product Design
Qualifications	BSME
Education	Lehigh University 1993-1997
Hoberman	2000 – Present
Other	Founding Board Member, Adaptive Building Initiative, 2008 - Present

Key project information

Expanding Icosahedrons, Royal Caribbean Cruise Lines

Multiple Installations, 2000, 2002, 2003

Transforming Tetrahedron, Papagayo Museum

Villahermosa, Mexico, 2005

RDS Tent System, Johnson Outdoors

Binghamton, New York, USA, 2006

Expanding Video Screen, U2 360° World Tour

2009-2010

Wyss Institute, Harvard University

Boston, Massachusetts, USA, 2010

PERCS Expanding Satellite, Naval Research Laboratory

Washington, DC, USA, 2011 Projected Launch

Hoberman Arch, Winter Olympics

Salt Lake City, Utah, USA, 2002

Expanding Helicoid, Discovery World

Milwaukee, Wisconsin, USA, 2006

Emergent Surface, Museum of Modern Art

New York, New York, USA, 2008

Expanding Sphere for Deutsche Telekom

Hanover and Berlin, Germany, 2010

Simons Center, Stony Brook University

Stony Brook, New York, USA, 2010