

# George W. Hart, Ph.D., Sculptor

<http://georgehart.com>

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*As a sculptor of constructive geometric forms, my work deals with patterns and relationships derived from classical ideals of balance and symmetry. Mathematical yet organic, these abstract forms invite the viewer to partake of the geometric aesthetic.*

## Selected Public Works

- “Solar Flair,” Topeka Kansas
- “Salamanders,” Massachusetts Institute of Technology, Cambridge, MA
- “Celebration of Mind,” Princeton University, NJ
- “Geometry Ascending a Staircase,” Duke University, Durham, NC
- “Sword Dancing,” Middlesex University, London
- “STEAM,” Brown University, Providence, RI
- “Comet!,” Albion College, Albion, MI
- “Ambagesque,” Macalester College, St. Paul, MN
- “Gyrangle,” Towson University, Towson, MD
- “Whimsy,” Mathematical Association of America Headquarters, Washington, DC
- “Sydney,” Presbyterian Ladies College, Sydney, Australia
- “Snakes,” London Knowledge Lab, University of London, UK
- “Aalto,” Aalto University, Helsinki, Finland
- “Dragons,” MathLove Museum, Seoul, Korea
- “Rainbow Bits,” Univ. of California at Berkeley, Computer Science Building, Berkeley, CA
- “Spaghetti Code,” Stony Brook University, Computer Science Building, Stony Brook, NY
- “Compass Points,” State University of New York at Oswego, Oswego, NY
- “Volcanoes,” Queen's University, Kingston, Ontario
- “Millennium Bookball,” Northport Public Library, Northport, NY
- “Chronosynclastic Infundibulum,” Long Island Mus. of Sci. and Tech., Kings Park, NY (now closed)

## Experience:

Presently: Full-time sculptor and research professor, Stony Brook University  
2010-2012: Chief of Content, Museum of Mathematics, New York, NY  
2002-2010: Research Professor, Computer Science Dept., Stony Brook University  
Pre-2002: Various academic/research positions at MIT, Columbia University and consulting

## Education

Ph.D., Massachusetts Institute of Technology, Electrical Engineering and Computer Science, 1987  
B.S., Massachusetts Institute of Technology, Mathematics, January 1977

## Selected Bibliography

- G. Hart, "Laser-Cut Plywood and Cable-Tie Sculptures," in Proceedings of Bridges 2015
- G. Hart, "Geometry Ascending a Staircase," in Proceedings of Bridges 2014.
- G. Hart, "Computers and Sculpture," in *Experience-Centered Approach and Visuality in the Education of Mathematics and Physics*, Barallo et al. eds., Kaposvar Univ., Hungary, ISBN 978-963-9821-52-1, 2012, pp. 127-130.
- G. Hart, "Two Playing-Card Puzzle-Sculptures," *Cubism for Fun*, 88, July 2012, pp. 5-8.
- G. Hart, "Bringing M.C. Escher's Planaria to Life," to appear in Proceedings of *Bridges* 2012.
- G. Hart, et al., "Forming a Museum of Mathematics," in *The Science Exhibition*, Museums Etc, publ., 2010.
- G. Hart, "How to slice a bagel into two linked halves," *Annals of Improbable Research*, Vol. 16, no. 1, Jan-Feb, 2010.
- G. Hart, "Prototypes in the Hands of a Mathematical Sculptor," *Journal of Visual Communication*, 2010.
- G. Hart, "Comet!" in *Hyperseeing: Proceedings of ISAMA 09*, pp. 95-102.
- G. Hart, "Make the Egg Heads Puzzle," *Make Magazine*, vol. 17, Feb. 2009, pp. 143-145.
- G. Hart, "Symmetric Sculpture," *Journal of Mathematics and the Arts*, 2007.
- G. Hart, "Mathematical Connections in Art", *Math Horizons*, February, 2006
- G. Hart, "The Geometric Aesthetic," in *The Visual Mind 2*, Michele Emmer (ed.), MIT Press, 2005.
- G. Hart, "Creating a Mathematical Museum on your Desk", *Mathematical Intelligencer*, 2005.
- G. Hart, "Spaghetti Code: A Sculpture Barnraising", *Proc. Art+Math=X*, U. Colorado, Boulder, 2005.
- G. Hart, "A Salamander Sculpture Barn Raising", in *Visual Mathematics* 7, no. 1, 2004.
- G. Hart, "A Reconstructible Geometric Sculpture", Proceedings of *Intl. Soc. Art, Math, Architecture*, DePaul Univ. , 2004
- G. Hart, "Mathematics Takes Shape," *Math Horizons*, April 2003.
- G. Hart, "Solid-Segment Sculptures," *Mathematics and Art*, Claude Brute ed., Springer-Verlag, 2002.
- G. Hart, "In the Palm of Leonardo's Hand," *Nexus Network Journal*, 2002.
- G. Hart, "Loopy," *Humanistic Mathematics*, June 2002.

## Selected Awards and Honors

- Artist in Residence, Massachusetts Institute of Technology, 2004.
- New York State Council for the Arts *Individual Artists Award*.

## Selected Group Shows

- 2016 Joint Math Meetings Art Exhibition, Seattle, WA
- 2015 Bridges Conference Art Exhibition, Baltimore, MD
- 2015 Gallery North, Stony Brook, NY
- 2014 Bridges Conference Art Exhibition, Seoul, Korea
- 2013 Simons Center for Geometry and Physics, Stony Brook, NY
- 2012 AMS/MAA Joint Math Meeting Art Exhibit, Boston, MA
- 2012 Noyes Museum of Art, Hammonton, NJ
- 2011 Central Booking, Brooklyn, NY
- 2010 US Science and Engineering Festival, Washington, DC
- 2010 Whitney Museum, New York, NY
- 2010 University of Coimbra, Coimbra, Portugal
- 2010 Mathematiques & Art Exposition, L'Institut Henri Poincare, Paris
- 2009 Sonoma Valley Museum of Art, Sonoma, CA
- 2009 Utah Valley University, Orem, UT

- 2009 AMS/MAA Joint Math Meeting Art Exhibit, Washington, DC
- 2009 World Science Festival, New York, NY
- 2008 Albion College, Albion MI
- 2008 Intl. Science and Art Conference, Athens, Greece
- 2008 Kyoto University, Kyoto, Japan
- 2007 University of Michigan, Ann Arbor, MI
- 2007 Texas A&M University, College Station, TX
- 2007 CUNY Graduate Center, New York, NY
- 2007 Concordia University, Montreal, QB
- 2007 Ursinus College, Collegetown, PA
- 2007 University of British Columbia, Vancouver, BC
- 2006 Polytechnic University of Valencia, Spain
- 2006 Newark Arts Council, Newark, NJ
- 2006 Princeton University, Princeton, NJ
- 2006 Fete de la Science, Nancy, France
- 2006 Susquehanna Art Museum, Harrisburg, PA
- 2006 Burning Man, Black Rock Desert, NV
- 2006 Institute of Education, University of London, London, UK
- 2006 Art League of Long Island, Dix Hills, NY
- 2005 St. Mary's College, Moraga, CA
- 2005 University of Colorado at Boulder, CO
- 2005 Joint MAA/AMS meeting Art Exhibit, Atlanta GA
- 2004 Illinois Institute of Technology, Chicago, IL
- 2004 Miami University, Oxford, OH
- 2004 DePaul University, Chicago, IL
- 2004 Joint Mathematics Conference Art Exhibit, Phoenix, AZ
- 2003 Bridges/ISAMA Exhibit, Granada, Spain
- 2003 Northport Museum, Northport, NY
- 2002 Towson College, MD
- 2002 Art-trium, Melville, NY
- 2002 Vorpall Gallery, Soho, New York City, NY
- 2001 Steinway Gallery, Chapel Hill, NC
- 2001 Northport Museum, Northport, NY
- 2001 Math and Art 2001, Berkshire Community College, Pittsfield, MA
- 2000 The Cooper Union, New York, NY
- 2000 Elaine Benson Gallery, Bridgehampton, NY
- 2000 Colloquium on Math and Arts Exhibition, Maubeuge, France
- 2000 University of Washington, MOSAIC conference art exhibit, Seattle, WA
- 2000 International Society of Art, Math, and Architecture, Exhibition at SUNY Albany, NY
- 2000 Walt Whitman Birthplace Museum, Huntington, NY
- 2000 Fayetteville Arts Council, Fayetteville, NC
- 1999 b.j. Spoke Gallery, Huntington, NY
- 1999 Mather Hospital Annual Outdoor Sculpture Show, Port Jefferson, NY
- 1999 Clayton Liberatore Gallery, Bridgehampton, NY
- 1999 Soundview Art Gallery, Port Jefferson, NY
- 1998 10th Annual Juried Fine Arts Exhibit at Chelsea Center, East Norwich, NY
- 1998 SOMA Gallery, Northport, NY
- 1998 Math and Art 1998 Exhibition, University of California at Berkeley, CA
- 1997 Hofstra University, Hempstead, NY
- 1997 Suffolk County Vanderbilt Museum, Centerport, NY
- 1997 Math and Art Exhibition, State University of New York at Albany, NY