BIography

Erik Demaine and Martin Demaine are a father-son math-art team. Martin started the first private hot glass studio in Canada and has been called the father of Canadian glass. Since 2005, Martin Demaine has been an Artist-in-Residence at the Massachusetts Institute of Technology. Erik is also at the Massachusetts Institute of Technology, as a Professor in computer science. He received a MacArthur Fellowship in 2003. In these capacities, Erik and Martin work together in paper, glass, and other material. They use their exploration in sculpture to help visualize and understand unsolved problems in science, and their scientific abilities to inspire new art forms. Their artistic work includes curved origami sculptures in the permanent collections of the Museum of Modern Art (MoMA) in New York, and the Renwick Gallery in the Smithsonian. Their scientific work includes over 60 published joint papers, including several about combining mathematics and art. They recently won a Guggenheim Fellowship (2013) for exploring folding of other materials, such as hot glass.

SOLO/JOINT EXHIBITIONS work by Demaine & Demaine

2014 Duncan McClellan Gallery, Florida (joint with Peter Houk)
2013 Edwards Art Gallery, New Hampshire (joint with Shandra McLane)
2013 Dwight School, New York City (solo show)
2013 The Art Museum, Kentucky (solo show)
2012 Simons Center Art Gallery, New York (joint with Theo Jansen)
2012 Guided By Invoices, New York City (solo show)
2007 Andrew and Laura McCain Gallery, Canada (solo show)

SELECTED EXHIBITIONS work by Demaine & Demaine

2021 Black Mountain College Museum + Arts Center, North Carolina (invitational)
2021 Café Moderno Afundación Fontevedra, Spain (invitational)
2020 Morgan Contemporary Glass Gallery, Pennsylvania (juried)
2020 Dowd Gallery (invitational)
2020 Martin County Center for the Arts, Florida (invitational)
2019 Freed Formats: The Book Reconsidered (traveling exhibit)
University of Hartford Art School, Connecticut (invitational)
Samek Art Museum, Pennsylvania
Mahopac Public Library, New York
Putnam Arts Council, New York
Mark Twain Library, Connecticut
Ridgefield Guild of Artists, Connecticut
Ridgefield Library, Connecticut
Five Points Gallery, Connecticut
2019 National Museum of China, China (invitational)
2019 Krikorian Gallery, Massachusetts (invitational)
2019 Mobilia Gallery, Massachusetts (invitational)
2019 Duncan McClellan Gallery, Florida (invitational)
2019  Sede Afundación A Coruña, Spain (invitational)
2019–  Renwick Gallery, DC (catalog) (invitational)
2018–2019  Mobilia Gallery, Massachusetts (invitational)
2018–2019  Atlanta Airport, Georgia (invitational)
2018  Educational Museum of Origami in Zaragoza, Spain (invitational)
2018  Sandwich Glass Museum, Massachusetts (catalog) (invitational)
2018  Schack Art Center, Washington (invitational)
2018  University of San Diego, California (invitational)
2018–2019  Science Museum Oklahoma, Oklahoma (invitational)
2018  Center on Contemporary Art, Washington (invitational)
2018  University of Tokyo, Japan (invitational)
2017  Mobilia Gallery, Massachusetts (invitational)
2017  Japan Information & Culture Center, DC (invitational)
2017  British Origami Society, England (invitational)
2017  University of Tokyo, Japan (invitational)
2017  University of Waterloo, Canada (catalog) (invitational)
2017  Villa Bagatelle, Canada (invitational)
2017–2021  A Mirror Maze: Numbers in Nature (traveling exhibit)
  Museum of Science, Massachusetts (invitational)
  Denver Museum of Nature (invitational)
  Science, Colorado (invitational)
  Telus World of Science, Alberta (invitational)
  Springs Preserve, Nevada (invitational)
  Phillip and Patricia Frost Museum of Science, Florida (invitational)
  Franklin Institute, Pennsylvania (invitational)
  Arizona Science Center, Arizona (invitational)
2017  Chrysler Museum of Art, Virginia (invitational)
2017  Central Booking, New York (invitational)
2017  Maloney Art Gallery, New Jersey (invitational)
2017  Museum of the White Mountains, New Hampshire (invitational)
2016–2020  Fuller Craft Museum, Massachusetts (invitational)
2016–2017  Chimei Museum, Taiwan (invitational)
2016  Paper Circle, Ohio (juried)
2016–2017  Art Museum of Tsinghua University, China (invitational)
2016  ETH Zürich, Switzerland (invitational)
2016–2017  Origami House Colonia, Uruguay (invitational)
2016  Florida Craft Art Gallery, Florida (invitational)
2016–2015  Guild of Book Workers: Vessel (traveling exhibit) (catalog) (juried)
  North Bennet Street School, Massachusetts (invitational)
  Anderson Academic Commons, Colorado (invitational)
  Kellogg Gallery, California (invitational)
  Cary Graphic Arts Collection, New York (invitational)
  Loganberry Books, Ohio (invitational)
2016–2018  Renwick Gallery, DC (catalog) (invitational)
2016  Educational Museum of Origami in Zaragoza, Spain (invitational)
2016  Chautauqua Institution gallery, New York (invitational)
2016  Mobilia Gallery, Massachusetts (invitational)
2016  Firelands Association for the Visual Arts Gallery, Ohio (invitational)
2016  Phoenix Brighton Gallery, England (catalog) (invitational)
2016  Sharjah Art Foundation, United Arab Emirates (catalog) (invitational)
2016  Morgan Contemporary Glass Gallery, Pennsylvania (invitational)
2016–  MIT Museum, Massachusetts (invitational)
2016 Kent State University Museum, Ohio (catalog) (juried)
2015 Concord Art Association, Massachusetts (catalog) (invitational)
2015 Mobilia Gallery, Massachusetts (invitational)
2015 Nature in Art Museum, England (invitational)
2015 Cape Cod Museum of Art (juried)
2015 Arts Center East, Connecticut (juried)
2015 Gallery North, New York (invitational)
2015–2016 University of South Dakota, South Dakota (juried)
2015 All Things Considered VIII (traveling exhibit) (catalog) (juried)
Fruitlands Museum, Massachusetts
The Grand Hand Gallery, Minnesota
2015 Museum of Northwest Art, Washington (invitational)
2015 Sandwich Glass Museum, Massachusetts (catalog) (invitational)
2015 Textile Center, Minnesota (juried)
2015 Charles River Museum of Industry & Innovation, Massachusetts (invitational)
2015 Sofia National Museum of History, Bulgaria (catalog) (juried)
2015 Yeiser Art Center, Kentucky (juried)
2015 Minnesota Center for Book Arts, Minnesota (juried)
2015 Jaffa Museum, Israel (invitational)
2015 The Wichita Center for the Arts, Kansas (juried)
2015 Educational Museum of Origami in Zaragoza, Spain (invitational)
2015–2016 Museum of Modern Art (MoMA), New York City (invitational)
2015–2020 Above the Fold (traveling exhibit) (invitational)
Allentown Art Museum, Pennsylvania
Clay Center for the Arts & Sciences, West Virginia
Dayton Art Institute, Ohio
Morikami Museum and Japanese Gardens, Florida
Art Gallery of Hamilton, Ontario
Maui Arts & Cultural Center, Hawaii
Longmont Museum & Cultural Center, Colorado
Japanese American National Museum, California
Hermitage Museum and Gardens, Virginia
Visual Arts Center at Washington Pavilion, South Dakota
Northwest Museum of Arts + Culture, Washington
Springfield Museums, Massachusetts
Museum of Fine Arts, Florida
Leigh Yawkey Woodson Art Museum, Wisconsin
2014–2015 Educational Museum of Origami in Zaragoza, Spain (invitational)
2014–2015 Fuller Craft Museum, Massachusetts (catalog) (invitational)
2014–2015 Mobilia Gallery, Massachusetts (invitational)
2014–2015 Wayne Art Center, Pennsylvania (invitational)
2014 National Liberty Museum, Pennsylvania (catalog) (invitational)
2014–2015 Zuckerman Museum of Art, Georgia (catalog) (invitational)
2014 Pyramid Atlantic Art Center, Maryland (juried)
2014 Mobilia Gallery, Massachusetts (invitational)
2014 Haywood Community College Creative Arts, North Carolina (catalog) (juried)
2014– Museum of Science and Industry, Illinois (invitational)
2014 Morris Museum, New Jersey (invitational)
2014–2015 The Canadian Clay and Glass Gallery, Canada (invitational)
2014–2015 Livres des Artistes D’aujourd’hui: Collaboration (traveling exhibit) (invitational)
Wolfson Gallery of Art + Design, Florida
The Center for Book Arts, New York City
2014  Affinity Gallery, Canada  (invitational)
2014  Alden B. Dow Museum of Science and Art, Michigan  (invitational)
2014  Fuller Craft Museum, Massachusetts  (juried)
2014  41 Cooper Gallery, New York City  (juried)
2014  Museum Rijswijk, Netherlands (catalog)  (juried)
2014  Mesa Contemporary Arts Museum, Arizona  (invitational)
2014  Morgan Contemporary Glass Gallery, Pennsylvania  (invitational)
2014  Bridgewater State University, Massachusetts  (invitational)
2014  MIT Kavli Institute, Massachusetts  (juried)
2013–2014  Wayne Art Center, Pennsylvania (catalog)  (juried)
2013  Bank Street Arts, England (catalog)  (juried)
2013  Sandusky Cultural Center, Ohio  (invitational)
2013  Williams Center for the Arts, Pennsylvania  (invitational)
2013  Charles B. Wang Center, New York  (invitational)
2013  The Art Institute of Atlanta—Decatur, Georgia  (juried)
    Endeavor Art Gallery, Canada
    Harriet Irving Library, Canada
    Affinity Gallery, Canada
    Ontario Crafts Council Gallery, Canada
    Rare Books and Special Collections, Canada
    McPherson Library Gallery, Canada
2013  Kinokuniya Book Store, New York City (catalog)  (invitational)
2013  Berkshire Museum, Massachusetts (catalog)  (invitational)
2013  Guided By Invoices, New York City  (invitational)
2013  Fuller Craft Museum, Massachusetts  (juried)
2013  Firelands Association for the Visual Arts Gallery, Ohio  (invitational)
2013  Mobilia Gallery, Massachusetts  (invitational)
2013  Vernon Community Arts Center, Connecticut  (invitational)
2013–2014  FAX + Pattern Exhibition (traveling exhibit)  (invitational)
    KARST, England
    Simons Center for Geometry and Physics Art Gallery, New York
2012–2014  Museum of Modern Art (MoMA), New York City  (invitational)
2012  China Science & Technology Museum, China (catalog)  (juried)
2012  Jong Ie Nara Paper Museum, Korea  (juried)
2012–2013  Jaffe Center for Book Arts, Florida  (invitational)
2012–2013  Renwick Gallery, DC (catalog)  (invitational)
2012  College of Fine Arts Gallery, Maryland (catalog)  (juried)
2012  Dorsky Gallery, New York  (invitational)
2012  Eloise Pickard Smith Gallery, Santa Cruz  (invitational)
2012  Central Library, Georgia  (invitational)
2012–2016  Folding Paper: The Infinite Possibilities of Origami (traveling exhibit) (catalog)  (invitational)
    Louisiana Art & Science Museum, Louisiana
    Bellevue Arts Museum, Washington
    Boise Art Museum, Idaho
    Center for the Arts of Bonita Springs, Florida
    Japanese American National Museum, California
    Peoria Riverfront Museum, Illinois
    Oregon Historical Society, Oregon
    Brigham Young University Museum of Art, Utah
    Crocker Art Museum, California
    Leigh Yawkey Woodson Art Museum, Wisconsin
    Thorne-Sagendorph Art Gallery, New Hampshire
2012 Fuller Craft Museum, Massachusetts (juried)
2012 Moreau Center for the Arts, Indiana (invitational)
2011 Sarah Silberman Art Gallery, Maryland (invitational)
2011 Bridges 2011: Mathematics, Music, Art, Architecture, Culture, Portugal (juried)
2011 Central Booking, New York (invitational)
2009-2010 Peel Gallery, Texas (invitational)
2009 Art Cézar, Belgium (invitational)
2008–2009 Museum of Modern Art (MoMA), New York City (invitational)
2008 Museum of Modern Art (MoMA), New York City (catalog) (invitational)
2006 MIT Museum, Massachusetts (invitational)
2005 Massachusetts Institute of Technology, Massachusetts (exhibit)
2004 Building with Books: A Bibliophile’s Bedroom (traveling exhibit) (exhibit)
Boston Public Library, Massachusetts
Massachusetts Institute of Technology, Massachusetts

PUBLIC COLLECTIONS

work by Demaine & Demaine

2020 Beethoven-Haus Bonn, Germany
2019 Folger Shakespeare Library, DC
2018 Dalhousie University, Canada
2017 Japan Information & Culture Center, DC
2017 University of Waterloo, Canada
2017 Chimei Museum, Taiwan
2017 MIT Women’s League, Massachusetts
2016 Mahoney Music Collection, University of South Dakota
2015 Nature in Art Museum, UK
2015 Origami House Colonia, Uruguay
2015 Walker Art Center, Minnesota
2015 Israeli Origami Center Collection
2015 Sandwich Glass Museum, Massachusetts
2015 John Simon Guggenheim Memorial Foundation
2015 Corning Inc., New York
2015 Charles River Museum of Industry & Innovation, Massachusetts
2015 Zuckerman Museum of Art, Georgia
2015 Amateras Foundation, Bulgaria
2014 Black Mountain College Museum + Arts Center, North Carolina
2014 Educational Museum of Origami in Zaragoza, Spain
2014 Mesa Contemporary Arts Museum, Arizona
2014 Center for Book Arts, New York
2014 Museum of Science and Industry, Chicago
2014 Kamm Teapot Foundation
2014 McGill Bellairs Research Institute, Barbados
2014 Centre College, Danville
2014 MIT Kavli Institute, Massachusetts
2014 Morris Museum, New Jersey
2013 Firelands Association for the Visual Arts, Ohio
2013 Berkshire Museum, Massachusetts
2013 The Art Museum, Kentucky
2013 Williams Center for the Arts, Pennsylvania
2013 Canadian Bookbinders and Book Artists Guild, Ontario
2013 Decatur Arts Alliance, Georgia
2013 Bank Street Arts, England
2013 Jaffe Center for Book Arts, Florida
2013  Independent Curators International
2012  Jong Ie Nara Paper Museum, Korea
2012  Pilchuck Glass School, Washington
2012  Fuller Craft Museum, Massachusetts
2011  Smithsonian American Art Museum, DC
2010  MD Anderson Cancer Center, Texas (installation)
2008  Museum of Modern Art (MoMA), New York City

additional work by Martin Demaine

South Australian Museum, Australia
National Gallery of Canada, Canada
circa Montreal Museum of Fine Arts, Canada
1975  Canadian Museum of Civilization, Canada
      Canadian Clay & Glass Museum, Canada
      Nova Scotia Museum, Canada
      New Brunswick Museum, Canada

ART RESIDENCIES

2014  Museum of Glass, Tacoma, Washington
2014  Centre College, Danville, Kentucky
2014  Penland School of Crafts, Bakersville, North Carolina
2012  Pilchuck Glass School, Stanwood, Washington

TALKS

2019  Museum of Fine Arts, Florida (plenary)
2019  MOVES 2019: Mathematics of Various Entertaining Subjects, New York (plenary)
2019  Hello World, Hello MIT: TEACH: The Academic Symposium, Massachusetts (panel)
2019  University of Stuttgart, Germany (plenary)
2018  SIGGRAPH Asia 2018, Japan (plenary)
2018  Symposium of the International Association for Shell and Spatial Structures, Massachusetts (plenary)
2018  ACM Symposium on Computational Fabrication, Massachusetts (plenary)
2018  United States Congress, DC (plenary)
2018  University of San Diego, California (plenary)
2018  University of San Diego, California (plenary)
2018  Museum of Fine Arts, Massachusetts (plenary)
2018  University of Tokyo, Japan (plenary)
2017  Japan Information & Culture Center, DC (plenary)
2017  11th Asian Forum on Graphic Science, Japan (plenary)
2017  Mathematical Congress of the Americas, Canada (plenary)
2017  BRIDGES: Mathematics, Art, Music, Architecture, Education, Culture, Canada (plenary)
2017  Museum of the White Mountains, New Hampshire (plenary)
2017  The University of the West Indies, Barbados (plenary)
2016  University of Washington, Washington (plenary)
2016  International Conference on Mathematical Modeling and Applications: Origami-Based Modeling and Analysis, Japan (plenary)
2016  19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games, Japan (plenary)
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Title</th>
<th>Location</th>
<th>Type</th>
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<tbody>
<tr>
<td>2016</td>
<td>Cornell University, New York</td>
<td>(plenary)</td>
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<td>2016</td>
<td>Cornell University, New York</td>
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<td>2016</td>
<td>University of Georgia, Georgia</td>
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<td>2016</td>
<td>Networked Life: Celebrating the life and career of Fan Chung and Ron Graham,</td>
<td>California</td>
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<td>2016</td>
<td>2016 Information Theory and Applications Workshop, California</td>
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<td>2015</td>
<td>MoSAIC Fest: Math of Science, Art, Industry &amp; Culture, Massachusetts</td>
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<td>2015</td>
<td>Connections in Discrete Mathematics: A celebration of the work of Ron Graham,</td>
<td>Canada</td>
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<td>2015</td>
<td>Hermitage Museum and Gardens, Virginia</td>
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<td>Museum of Science and Industry, Illinois</td>
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<td>2015</td>
<td>Tufts University, Massachusetts</td>
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<td>2015</td>
<td>Boston University, Massachusetts</td>
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<td>2015</td>
<td>Detroit Institute of Arts, Michigan</td>
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<td>2014</td>
<td>Museum of Glass, Washington</td>
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<td>2014</td>
<td>10th Annual Center Institute, Massachusetts</td>
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<td>2014</td>
<td>Icelandic Centre of Excellence in Theoretical Computer Science, Iceland</td>
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<td>2014</td>
<td>20th Origami Tanteidan Convention, Japan</td>
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<td>2014</td>
<td>38th ASME Mechanisms &amp; Robotics Conference, New York</td>
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<td>2014</td>
<td>7th International Conference on Fun with Algorithms, Italy</td>
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<td>2014</td>
<td>OrigamiUSA Annual Convention, New York</td>
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<td>2014</td>
<td>Vienna University of Technology, Austria</td>
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<td>2014</td>
<td>Centre College, Kentucky</td>
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<td>2014</td>
<td>Community Arts Center, Kentucky</td>
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<td>2014</td>
<td>Dallas Contemporary, Texas</td>
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<td>2014</td>
<td>Make/Speak, Massachusetts</td>
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<td>2014</td>
<td>North Carolina State University</td>
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<td>2014</td>
<td>Museum of Fine Arts, Florida</td>
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<td>2013</td>
<td>University of the Arts, Pennsylvania</td>
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<td>2013</td>
<td>Edwards Art Gallery, New Hampshire</td>
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<td>2013</td>
<td>Lafayette College, Pennsylvania</td>
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<td>2013</td>
<td>University of Electro-Communications, Japan</td>
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<td>2013</td>
<td>Komaba Museum, Japan</td>
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<td>2013</td>
<td>Haystack Mountain School of Crafts, Maine</td>
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<td>2013</td>
<td>GlassBoston, Massachusetts</td>
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<td>2013</td>
<td>Canadian Mathematical Society Summer Meeting, Canada</td>
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<td>2013</td>
<td>University of Kentucky, Kentucky</td>
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<td>2013</td>
<td>Kansas State University, Kansas</td>
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<td>2013</td>
<td>Museum of Mathematics, New York</td>
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<td>2013</td>
<td>Renwick Gallery, DC</td>
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<td>2012</td>
<td>National Tsing Hua University, Taiwan</td>
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<td>2012</td>
<td>Academia Sinica, Taiwan</td>
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<td>2012</td>
<td>Two Sigma Investments, New York</td>
<td>(invited)</td>
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<td>2012</td>
<td>3rd Annual Gathering for Gardner Celebration of Mind, Massachusetts</td>
<td>(plenary)</td>
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<td>2012</td>
<td>Dorsky Gallery, New York</td>
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<td>2012</td>
<td>Cairo Science Festival, Egypt</td>
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<td>2012</td>
<td>Cambridge Science Festival, Massachusetts</td>
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<td>2012</td>
<td>Kentucky Section Meeting of the Mathematical Association of America, Kentucky</td>
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<td>2012</td>
<td>Southeastern Section Meeting of the Mathematical Association of America, Georgia</td>
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<td>2012</td>
<td>Louisiana/Mississippi Section Meeting of the Mathematical Association of America, Louisiana</td>
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<td>2012</td>
<td>Fuller Craft Museum, Massachusetts</td>
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<td>2012</td>
<td>Carnegie Institution for Science, DC</td>
<td>(plenary)</td>
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2011 University of Maryland, Maryland (invited)
2011 Fields Institute, Canada (plenary)
2011 Michigan Section Meeting of the Mathematical Association of America, Michigan (plenary)
2011 79th Annual Wisconsin Section Meeting of the Mathematical Association of America, Wisconsin (plenary)
2011 Missouri Section Spring Meeting of the Mathematical Association of America, Missouri (plenary)
2011 Central Booking, New York (panel)
2011 Museum of Mathematics, New York (plenary)
2011 Northern California, Nevada and Hawaii Section Meeting of the Mathematical Association of America, California (plenary)
2011 University of British Columbia, Canada (plenary)
2011 Northern California, Nevada and Hawaii Section Meeting of the Mathematical Association of America, California (plenary)
2011 University of British Columbia, Canada (plenary)
2011 Central Booking, New York (panel)
2011 Museum of Mathematics, New York (plenary)
2011 Northern California, Nevada and Hawaii Section Meeting of the Mathematical Association of America, California (plenary)
2011 University of British Columbia, Canada (plenary)
2010 55th Annual Fall Sectional Meeting, Northeastern Section, Mathematical Association of America, Rhode Island (plenary)
2010 Renaissance Technologies, New York (invited)
2010 University of Calgary, Canada (plenary)
2010 Huamin Primary School, Singapore (invited)
2010 5th International Conference on Origami in Science, Mathematics and Education, Singapore (plenary)
2010 Department of Mathematics, Singapore (invited)
2010 17th Annual Hudson River Undergraduate Mathematics Conference, New Hampshire (plenary)
2010 26th British Colloquium for Theoretical Computer Science, Scotland (plenary)
2010 The Entertainment Gathering, California (plenary)
2010 Joint Mathematics Meetings of the American Mathematical Society and Mathematical Association of America, California (plenary)
2010 Joint Mathematics Meetings of the American Mathematical Society and Mathematical Association of America, California (invited)
2010 Northwestern University, Illinois (invited)
2009 7th Japan Conference on Computational Geometry and Graphs, Japan (plenary)
2009 17th Annual European Symposium on Algorithms, Denmark (plenary)
2009 British Science Festival, England (invited)
2009 British Origami Society Autumn Convention, England (invited)
2009 11th Algorithms and Data Structures Symposium, Canada (plenary)
2009 12th Annual Conference of BRIDGES: Mathematical Connections in Art, Music, and Science, Canada (plenary)
2009 The Graduate Center, New York (plenary)
2008 Université Libre de Bruxelles, Belgium (plenary)
2008 MathFest 2008, Wisconsin (plenary)
2008 MIND’08: The Design and the Elastic Mind Symposium, New York (plenary)
2007 University of Georgia, Georgia (plenary)
2005 Annual Meeting of the American Association for Advancement of Science, DC (plenary)
2004 3rd International Conference on Fun with Algorithms, Italy (plenary)

MEDIA COVERAGE

Magazines and newspapers: (a selection from over 200 articles)

“Art + Science” by Joyce Lovelace, American Craft, July 2014.
“Number Crunchers” by Monica Moses, American Craft, July 2013.


“Rubik’s cubes of any size can now be solved” by Jacob Aron, June 2011.


Books (excluding exhibition catalogs listed above):


2010 Joint Mathematics Meetings Exhibition of Mathematical Art, edited by Robert Fathauer and Anne Burns, mathartfun, 2010. Catalog featuring our Natural Cycles sculpture (including on the cover).


Video:

Featured on GATCHAN!, NHK Japan, Nov. 2010.
Featured on Belgian talk show De Laatste Show, Mar. 2009.
Featured in 56-minute documentary Between the Folds about origami, 2008.
Featured on Chronicle, WCVB TV Boston, May 2005.

Radio:

Radio 1 Belgium, Feb. 2009.
Quirks and Quarks, CBC Radio, Nov. 2003.

AWARDS

Martin L. Demaine
Rare Craft Fellowship Award, American Craft Council, 2016
Guggenheim Fellow, John Simon Guggenheim Memorial Foundation, 2013

Erik D. Demaine
Rare Craft Fellowship Award, American Craft Council, 2016
Guggenheim Fellow, John Simon Guggenheim Memorial Foundation, 2013
Presburger Award, European Association for Theoretical Computer Science, 2013
George Pólya Lecturer, Mathematical Association of America, 2010–2012
Université Libre de Bruxelles Gold Medal, 2008
Earle Raymond Hedrick Lecturer, Mathematical Association of America, 2008
Katayanagi Emerging Leadership Prize, Carnegie Mellon University and Tokyo University of Technology, 2008
International Francqui Chair of Belgium and Francqui Gold Medal, 2007
Honorary Doctor of Laws degree, Dalhousie University, 2007
Alfred P. Sloan Research Fellowship, 2006–2008
Esther and Harold E. Edgerton Professor at MIT, 2005–2008
Harold E. Edgerton Faculty Achievement Award, Apr. 2005
DOE Early Career Principal Investigator Award, Sept. 2004
NSF CAREER Award, June 2004
Ruth and Joel Spira Award for Distinguished Teaching in EECS at MIT, May 2004
MacArthur Fellowship, Nov. 2003
NSERC Doctoral Prize and Silver Medal, Mar. 2003 (best PhD thesis & research in Canada, 1 of 4 awards)
Boston Magazine “40 Bostonians to Watch”, June 2002
Governor General’s Academic Gold Medal (best PhD at U. Waterloo), June 2002