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

2017 Maloney Art Gallery, New Jersey (invitational)
2017 Museum of the White Mountains, New Hampshire (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
Anderson Academic Commons, Colorado
Kellogg Gallery, California
Cary Graphic Arts Collection, New York
Loganberry Books, Ohio
2016– Renwick Gallery, DC (catalog) (invitational)
2016 Chautauqua Institution gallery, New York (invitational)
2016 Mobilia Gallery, Massachusetts (invitational)
2016 Firelands Association for the Visual Arts Gallery, Ohio (invitational)
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<th>Year</th>
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<td>2016</td>
<td>Sharjah Art Foundation, United</td>
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<td>Arab Emirates (catalog) (invitational)</td>
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<td>2016</td>
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<td>Gallery, Pennsylvania (invitational)</td>
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<td>2016</td>
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<td>2015</td>
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<td>2015</td>
<td>Sandwich Glass Museum, Massachusetts (catalog) (invitational)</td>
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<td>Bulgaria (catalog) (juried)</td>
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<td>Allentown Art Museum, Pennsylvania</td>
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<td>Clay Center for the Arts &amp; Sciences, West Virginia</td>
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<td>2014</td>
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<td>Gallery, Canada (invitational)</td>
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</table>
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 (invitational)
2013–2014   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) (invitational)
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 Cezar, 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

2016 Mahoney Music Collection, University of South Dakota
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 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
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

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)
2016 Cornell University, New York (plenary)
2016 Cornell University, New York (plenary)
2016 University of Georgia, Georgia (plenary)
2016 Networked Life: Celebrating the life and career of Fan Chung and Ron Graham, California (plenary)
2016 2016 Information Theory and Applications Workshop, California (plenary)
2015 MoSAIC Fest: Math of Science, Art, Industry & Culture, Massachusetts (plenary)
2015 Connections in Discrete Mathematics: A celebration of the work of Ron Graham, Canada (plenary)
2015 Hermitage Museum and Gardens, Virginia (plenary)
2015 Museum of Science and Industry, Illinois (plenary)
2015 Tufts University, Massachusetts (plenary)
2015 Boston University, Massachusetts (plenary)
2015 Detroit Institute of Arts, Michigan (plenary)
2014 Museum of Glass, Washington (plenary)
2014 10th Annual Center Institute, Massachusetts (plenary)
2014 Icelandic Centre of Excellence in Theoretical Computer Science, Iceland (plenary)
2014 20th Origami Tanteidan Convention, Japan (plenary)
2014 38th ASME Mechanisms & Robotics Conference, New York (plenary)
2014 7th International Conference on Fun with Algorithms, Italy (plenary)
2014 OrigamiUSA Annual Convention, New York (plenary)
2014 Vienna University of Technology, Austria (plenary)
2014 Centre College, Kentucky (plenary)
2014 Community Arts Center, Kentucky (plenary)
2014 Dallas Contemporary, Texas (plenary)
2014 Make/Speak, Massachusetts (plenary)
2014 North Carolina State University (plenary)
2014 Museum of Fine Arts, Florida (plenary)
2013 University of the Arts, Pennsylvania (plenary)
2013 Edwards Art Gallery, New Hampshire (plenary)
2013 Lafayette College, Pennsylvania (plenary)
2013 University of Electro-Communications, Japan (plenary)
2013 Komaba Museum, Japan (plenary)
2013 Haystack Mountain School of Crafts, Maine (plenary)
2013 GlassBoston, Massachusetts (plenary)
2013 Canadian Mathematical Society Summer Meeting, Canada (plenary)
2013 University of Kentucky, Kentucky (plenary)
2013 Kansas State University, Kansas (plenary)
2013 Museum of Mathematics, New York (plenary)
2013 Renwick Gallery, DC (plenary)
2012 National Tsing Hua University, Taiwan (plenary)
2012 Academia Sinica, Taiwan (plenary)
2012 Two Sigma Investments, New York (invited)
2012 3rd Annual Gathering for Gardner Celebration of Mind, Massachusetts (plenary)
2012 Dorsky Gallery, New York (plenary)
2012 Cairo Science Festival, Egypt (plenary)
2012 Cambridge Science Festival, Massachusetts (plenary)
2012 Kentucky Section Meeting of the Mathematical Association of America, Kentucky (plenary)
2012 Southeastern Section Meeting of the Mathematical Association of America, Georgia (plenary)
2012 Louisiana/Mississippi Section Meeting of the Mathematical Association of America, Louisiana (plenary)
2012 Fuller Craft Museum, Massachusetts (plenary)
2012 Carnegie Institution for Science, DC (plenary)
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)
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  (invited)
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  (invited)
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.
Cover, American Style, July 2012.
“Young Visionaries” by Tina Coplan, Home & Design, July 2012.
“The blend of art and mathematics” by Josey Bartlett, Queens Chronicle, May 2012.
“Origami Math: Computational artists to show off paper masterpieces in tribute to UCSC professor” by Tanya Lewis, Santa Cruz Sentinel, Mar. 2012.
“Rubik’s cubes of any size can now be solved” by Jacob Aron, June 2011.
“Magic numbers: A meeting of mathematical tricksters” by Alex Bellos, New Scientist, Mar. 2010.
“Math, Art, and Origami at MIT” by Emily Stone, Popular Science, Apr. 2009.
“De Mozarts van de wiskunde” by Dirk Huylebrouck, De Standaard, Jan. 2009.

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