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

2014 Duncan McClellan Gallery, Florida
2013 Edwards Art Gallery, New Hampshire
2013 Dwight School, New York City
2013 The Art Museum, Kentucky
2012 Simons Center Art Gallery, New York
2012 Guided By Invoices, New York City
2007 Andrew and Laura McCain Gallery, Canada

work by Demaine & Demaine

2014 (joint with Peter Houk)
2013 (joint with Shandra McLane)
2013 (solo show)
2013 (solo show)
2012 (joint with Theo Jansen)
2012 (solo show)
2007 (solo show)

SELECTED EXHIBITIONS

2017 Mobilia Gallery, Massachusetts
2017 British Origami Society, England
2017 University of Tokyo, Japan
2017 University of Waterloo, Canada (catalog)
2017 Villa Bagatelle, Canada
2017 Numbers In Nature: A Mirror Maze (traveling exhibit)
2007 Chrysler Museum of Art, Virginia
2007 Central Booking, New York
2007 Maloney Art Gallery, New Jersey
2007 Museum of the White Mountains, New Hampshire
2016–2017 Chimei Museum, Taiwan
2016 Paper Circle, Ohio
2016–2017 Art Museum of Tsinghua University, China
2016 ETH Zürich, Switzerland
2016–2017 Origami House Colonia, Uruguay
2016 Florida Craft Art Gallery, Florida

work by Demaine & Demaine

2017 (invitational)
2017 (exhibit)
2017 (exhibit)
2017 (invitational)
2017 (invitational)
2017 (invitational)
2017 (invitational)
2016–2017 (invitational)
2016 (invitational)
2016–2017 (invitational)
2016 (invitational)
2016–2015  *Guild of Book Workers: Vessel (traveling exhibit)* (catalog)  
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  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  
Springfield Museums, Massachusetts  
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)
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) (invitational)
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)
2013–2014 Endeavor Art Gallery, Canada (invitational)
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)
2013–2014 Simons Center for Geometry and Physics Art Gallery, New York (invitational)
2012 China Science & Technology Museum, China (catalog) (invitational)
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
          Fuller Craft Museum, Massachusetts (juried)
          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
          Sandwich Glass Museum, Massachusetts
          John Simon Guggenheim Memorial Foundation
          Corning Inc., New York
          Charles River Museum of Industry & Innovation, Massachusetts
          Zuckerman Museum of Art, Georgia
          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

PUBLIC COLLECTIONS
work by Demaine & Demaine

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  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

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 )
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, (plenary)
  Canada
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)
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>2011</td>
<td>Central Booking, New York</td>
<td>(panel)</td>
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<tr>
<td>2011</td>
<td>Museum of Mathematics, New York</td>
<td>(plenary)</td>
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<tr>
<td>2011</td>
<td>Northern California, Nevada and Hawaii Section Meeting of the Mathematical Association of America, California</td>
<td>(plenary)</td>
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<tr>
<td>2011</td>
<td>University of British Columbia, Canada</td>
<td>(plenary)</td>
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<tr>
<td>2010</td>
<td>55th Annual Fall Sectional Meeting, Northeastern Section, Mathematical Association of America, Rhode Island</td>
<td>(plenary)</td>
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<td>2010</td>
<td>Renaissance Technologies, New York</td>
<td>(invited)</td>
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<tr>
<td>2010</td>
<td>University of Calgary, Canada</td>
<td>(plenary)</td>
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<tr>
<td>2010</td>
<td>Huamin Primary School, Singapore</td>
<td>(invited)</td>
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<tr>
<td>2010</td>
<td>5th International Conference on Origami in Science, Mathematics and Education, Singapore</td>
<td>(plenary)</td>
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<tr>
<td>2010</td>
<td>Department of Mathematics, Singapore</td>
<td>(invited)</td>
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<tr>
<td>2010</td>
<td>17th Annual Hudson River Undergraduate Mathematics Conference, New Hampshire</td>
<td>(plenary)</td>
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<tr>
<td>2010</td>
<td>26th British Colloquium for Theoretical Computer Science, Scotland</td>
<td>(plenary)</td>
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<tr>
<td>2010</td>
<td>The Entertainment Gathering, California</td>
<td>(plenary)</td>
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<tr>
<td>2010</td>
<td>Joint Mathematics Meetings of the American Mathematical Society and Mathematical Association of America, California</td>
<td>(invited)</td>
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<td>Joint Mathematics Meetings of the American Mathematical Society and Mathematical Association of America, California</td>
<td>(invited)</td>
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<td>2010</td>
<td>Northwestern University, Illinois</td>
<td>(invited)</td>
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<tr>
<td>2009</td>
<td>7th Japan Conference on Computational Geometry and Graphs, Japan</td>
<td>(plenary)</td>
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<tr>
<td>2009</td>
<td>17th Annual European Symposium on Algorithms, Denmark</td>
<td>(plenary)</td>
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<tr>
<td>2009</td>
<td>British Science Festival, England</td>
<td>(invited)</td>
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<tr>
<td>2009</td>
<td>British Origami Society Autumn Convention, England</td>
<td>(invited)</td>
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<tr>
<td>2009</td>
<td>11th Algorithms and Data Structures Symposium, Canada</td>
<td>(plenary)</td>
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<tr>
<td>2009</td>
<td>12th Annual Conference of BRIDGES: Mathematical Connections in Art, Music, and Science, Canada</td>
<td>(plenary)</td>
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<td>2009</td>
<td>The Graduate Center, New York</td>
<td>(plenary)</td>
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<tr>
<td>2008</td>
<td>Université Libre de Bruxelles, Belgium</td>
<td>(plenary)</td>
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<tr>
<td>2008</td>
<td>MathFest 2008, Wisconsin</td>
<td>(plenary)</td>
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<tr>
<td>2008</td>
<td>MIND’08: The Design and the Elastic Mind Symposium, New York</td>
<td>(plenary)</td>
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<td>2007</td>
<td>University of Georgia, Georgia</td>
<td>(plenary)</td>
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<tr>
<td>2005</td>
<td>Annual Meeting of the American Association for Advancement of Science, DC</td>
<td>(plenary)</td>
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<tr>
<td>2004</td>
<td>3rd International Conference on Fun with Algorithms, Italy</td>
<td>(plenary)</td>
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</tbody>
</table>

**MEDIA COVERAGE**

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

“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

AWARDS

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