

Martin L. Demaine

Curriculum Vitæ

MIT Computer Science and Artificial Intelligence Lab
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Canadian and U.S. Citizen

POSITIONS HELD

2012–present	Robotic Engineer, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology
2005–present	Angelika and Barton Weller Artist-in-Residence, Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology
2002–present	Technical Instructor, Glass Lab, Department of Materials Science and Engineering, Massachusetts Institute of Technology
2001–present	Visiting Scientist, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology
2008–2009	Visiting Professor, Ecole Polytechnique de Louvain, Université Catholique de Louvain, Belgium
1997–2001	Visiting Scholar, Department of Computer Science, University of Waterloo

TEACHING

Fall	2012–present	MIT Glass Lab, Glass Musical Instruments.
Summer	2012	Folding Glass, cotaught class during 3-week artist-in-residence, Pilchuck Glass School, Stanwood, Washington.
Fall	2011	MIT Glass Lab, Glass Sculpture Installations.
Spring	2011	MIT Glass Lab, Surface Design Techniques.
Fall	2010	MIT 6.849, Geometric Folding Algorithms: Linkages, Origami, Polyhedra (co-instructor). 39 MIT students.
Spring	2008	MIT 6.100, Experimental Glass Musical Instruments, with Erik Demaine.
IAP	2007	MIT 6.096, Knot Language: Recreating Inca Quipu/Khipu, with Erik Demaine and Jean-Jacques Quisquater.
IAP	2005	MIT IAP 6451, Junkyard Art: The Art of Recycling, with Jeff Smith, Justin Adams, and Erik Demaine.
Fall	2004	MIT 4.491, Form-Finding and Structural Optimization, with Barb Cutler, Erik Demaine, Simon Greenwold, Axel Kilian, and John Ochsendorf.
Spring	2004	MIT 4.493, 3-D Design Tools for Equilibrium: Exploring Gaudi’s World, with Barb Cutler, Erik Demaine, Axel Kilian, and John Ochsendorf.
IAP	2004	MIT IAP 5804, Building with Books, with Erik Demaine, Chris Dewart, Stephanie Hartman, Wendy Jacob, and John Ochsendorf.
Spring	2003–present	MIT Glass Lab, Beginner Class.

PUBLIC COLLECTIONS

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

EXHIBITIONS (SINCE 2000)

2019 *Freed Formats: The Book Reconsidered (traveling exhibit)* (invitational)
 University of Hartford Art School, Connecticut
 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– Renwick Gallery, DC (catalog) (invitational)
 2018–2019 Atlanta Airport, Georgia (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)
2017–2018	<i>A Mirror Maze: Numbers in Nature (traveling exhibit)</i>	(invitational)
	Museum of Science, Massachusetts	
	Franklin Institute, Pennsylvania	
	Arizona Science Center, Arizona	
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	<i>Guild of Book Workers: Vessel (traveling exhibit) (catalog)</i>	(juried)
	North Bennet Street School, Massachusetts	
	Anderson Academic Commons, Colorado	
	Kellogg Gallery, California	
	Cary Graphic Arts Collection, New York	
	Loganberry Books, Ohio	
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)
2016–2017	Museum of Glass, Washington	(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	<i>All Things Considered VIII (traveling exhibit) (catalog)</i>	(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	<i>Above the Fold (traveling exhibit)</i>	(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	<i>Livres des Artistes D'aujourd'hui: Collaboration (traveling exhibit)</i>	(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)
2014	Duncan McClellan Gallery, Florida	(joint with Peter Houk)
2013–2014	Wayne Art Center, Pennsylvania (catalog)	(juried)
2013	Bank Street Arts, England (catalog)	(juried)

- 2013 Edwards Art Gallery, New Hampshire (joint with Shandra McLane)
- 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)
- 2013–2015 *Art of the Book 2013 (traveling exhibit)* (catalog) (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 Dwight School, New York City (solo show)
- 2013 Mobilia Gallery, Massachusetts (invitational)
- 2013 The Art Museum, Kentucky (solo show)
- 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
- 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 Simons Center Art Gallery, New York (joint with Theo Jansen) (juried)
- 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)* (invitational)
- (catalog)
- 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)

2012	Guided By Invoices, New York City	(solo show)
2011	Sarah Silberman Art Gallery, Maryland	(invitational)
2011	Galerie Elena Lee, Canada	(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 C�ezar, Belgium	(invitational)
2008–2009	Museum of Modern Art (MoMA), New York City	(invitational)
2008	Museum of Modern Art (MoMA), New York City (catalog)	(invitational)
2007	Andrew and Laura McCain Gallery, Canada	(solo show)
2006	MIT Museum, Massachusetts	(invitational)
2006–2007	Canadian Museum of Civilization, Canada	(invitational)
2005	Massachusetts Institute of Technology, Massachusetts	(exhibit)
2004	<i>Building with Books: A Bibliophile’s Bedroom (traveling exhibit)</i> Boston Public Library, Massachusetts Massachusetts Institute of Technology, Massachusetts	(exhibit)

FILM SHOWINGS

Lino Tagliapietra: Glass Magician (joint work with Erik D. Demaine)

- June–Oct. 2013 Fuller Craft Museum, “Reversible Reactions: Art Meets Science @ The MIT Glass Lab”, Brockton, MA
- Apr.–May 2012 13th Annual Newport Beach Film Festival, Newport Beach, CA
- Apr. 2012 6th Annual Buffalo Niagara Film Festival, Buffalo, NY
- Feb. 2012 7th Annual Macon Film Festival, Macon, Atlanta
- Dec. 2011 Creative Arts Film Festival
- Nov. 2011 30th Three Rivers Film Festival, Competitive Shorts Program, Pittsburgh, PA
- Nov. 2011 7th River’s Edge International Film Festival, Paducah, KY
- May–Aug. 2011 Hallwylska museet, “Samtida konstglas fr an Murano — ur Fondazione di Venezias samlingar”, Stockholm, Sweden
- Apr. 2011 MIT150: Under the Dome, Cambridge, MA
- Apr. 2011 Mobilia Gallery Glass Quake Symposium, Boston, MA
- Apr. 2011 The Entertainment Gathering, Monterey, CA
- Mar. 2011 CraftBoston, Boston, MA
- Feb.–May 2011 Istituto Veneto di Scienze, Lettere ed Arti, Palazzo Cavilli-Franchetti, “Lino Tagliapietra, da Murano allo Studio Glass, opere 1954–2011”, Venice, Italy

SELECTED HONORS

1. Guggenheim Fellow, John Simon Guggenheim Memorial Foundation, 2013
2. Artist-in-Residence, Pilchuck Glass School, 2012
3. Platinum Reel Award Winner (Nevada Film Festival, 2011) and Honorable Mention Award, Experimental Film Category (Los Angeles New Wave International Film Festival, 2011) for our 13-minute video “Lino Tagliapietra: Glass Magician” (2011)
4. Featured in 56-minute documentary *Between the Folds* about origami, 2008

STUDENTS

Past undergraduate students:

1. Kaitlyn Becker (Mechanical Engineering)
2. Aviv Ovadya (EECS)
3. Kathryn Shroyer (Mechanical Engineering)
4. Kat Wong (Mechanical Engineering)

Thesis committees:

1. Kyle Steinfeld (Master of Architecture), defended May 2004.
2. Ken Giesecke (Master of Architecture), defended Dec. 2003.

INVITED TALKS

- June 2013 Plenary talk, Glass Boston, Cambridge, Massachusetts.
- July 2012 Plenary talk, event for exhibit “(Un)folding Patterns”, Dorsky Gallery, Long Island City, New York.
- June 2012 Plenary talk, Pilchuck Glass School, Stanwood, Washington.
- Jan. 2010 Plenary talk, The Entertainment Gathering, Monterey, California.
- July 2008 “Art Meets Technology at MIT”, Women’s Technology Program, MIT
- Nov. 2007 “Mathematics Is Art”, Plenary talk, 17th Annual Fall Workshop on Computational Geometry, Hawthorne, New York.

RESEARCH COLLABORATORS

I have published papers with the following 200 co-authors: Timothy G. Abbott (MIT), Zachary Abel (MIT), Aaron B. Adcock (Stanford U.), Hee-Kap Ahn (Pohang U. Science & Technology), Oswin Aichholzer (TU Graz), Hugo A. Akitaya (Tufts U.), Greg Aloupis (McGill U.), Byoung Kwon An (MIT), Walker Anderson (Central Bucks High School West), Esther Arkin (SUNY Stony Brook), Tetsuo Asano (JAIST), Yasuhiko Asao (U. Tokyo), Daniel M. Aukes (Harvard U.), Sang Won Bae (Pohang U. Science & Technology), Devin Balkcom (Dartmouth), Brad Ballinger (U. California, Davis), Gill Barequet (Technion), Nadia M. Benbernou (MIT), Michael Bender (SUNY Stony Brook), Therese Biedl (U. Waterloo), Michael Biro (Swarthmore College), Jeffrey Bosboom (MIT), Prosenjit Bose (Carleton U.), Kevin Buchin (Freie U. Berlin), Maike Buchin (Freie U. Berlin), Michael A. Burr (New York U.), Jonathan Buss (U. Waterloo), Sarah Cannon (Tufts U.), Jean Cardinal (U. Libre de Bruxelles), Eowyn Čenek (U. Waterloo), Cameron Chalk (U. Texas Rio Grande Valley), Timothy M. Chan (U. Waterloo), David Charlton (MIT), Barry Cipra (Minnesota), Sébastien Collette (U. Libre de Bruxelles), Spencer Congero (U. California, San Diego), Robert Connelly (Cornell U.), Mirela Damian (Villanova U.), Eli Davis (MIT), Erik D. Demaine (MIT), Karim Douieb (Carleton U.), Vida Dujmović (McGill U.), Muriel Dulieu (Polytechnic Inst. NYU), Alan Edelman (MIT), Sarah Eisenstat (MIT), Dania El-Khechen (Concordia U.), David Eppstein (U. California, Irvine), Jeff Erickson (U. Illinois, Urbana-Champaign), Ruy Fabila-Monroy (U. Nacional Autónoma de México), Sándor Fekete (TU Braunschweig), Thomas Fevens (Concordia U.), Robin Flatland (Siena College), Rudolf Fleischer (Fudan U.), Eli Fox-Epstein (Brown U.), Greg Frederickson (Purdue U.), Erich Friedman (Stetson U.), MohammadTaghi Hajiaghayi (U. Maryland), Vi Hart (SUNY Stony Brook), Andrea Hawksley (MIT), Robert A. Hearn (MIT), Adam Hesterberg (MIT), Duc A. Hoang (JAIST), Michael Hoffmann (ETH Zurich), Takashi Horiyama (Saitama U.), Hideaki Hosaka (Azabu Junior-High School), David A. Huffman (U. California, Santa Cruz), John Hugg (Tufts U.), Thomas C. Hull (Western New England U.), Ferran Hurtado (U. Politècnica de Catalunya), John Iacono (Polytechnic Inst. NYU), Shinji Imahori (U. Tokyo), Mashhood Ishaque (Tufts U.), Hiro Ito (Kyoto University), Takehiro Ito (Tohoku U.), Jin-ichi Itoh (Kumamoto U.), Lars Jacobsen (U. Southern Denmark), Daniel Kane (U. California, San Diego), Craig Kaplan (U. Waterloo), Akitoshi Kawamura (U. Tokyo), Sangbae Kim (MIT), Roderick Kimball (Enigami Puzzles & Games), Masashi Kiyomi (JAIST), Christian Knauer (Freie U. Berlin), Scott D. Kominers (Harvard U.), Goran Konjevod (Arizona State U.), Justin Kopinsky (MIT), Matias Korman (U. Libre de Bruxelles), Duks Koschitz (Pratt), Irina Kostitsyna (TU Eindhoven), Jason Ku (MIT), Anastasia Kurdia (U. Texas Dallas), Robert J. Lang (Lang Origami), Arthur Langerman (Langerman Diamonds), Stefan Langerman (U. Libre de Bruxelles), Sylvain Lazard (INRIA Lorraine), Charles E. Leiserson (MIT), Andrea Lincoln (MIT), Jeffrey Lindy (New York U.), Ching-Hao Liu (National Tsing-Hua University), Quanquan Liu (MIT), Po-Ru Loh (MIT), Anna Lubiw (U. Waterloo), Jayson Lynch (MIT), Shelly Manber (MIT), Pasin Manurangsi (MIT), Eric Martinez (U. Texas Rio Grande Valley), Hiroaki Matsui (JAIST), Laura Meeker (MIT), Henk Meijer (Queens U.), Antonio Mesa (U. Habana), Yair N. Minsky (Yale U.), Joseph Mitchell (SUNY Stony Brook), Shuhei Miyashita (MIT), Thomas D. Morgan (Harvard U.), Pat Morin (McGill U.), J. Ian Munro (U. Waterloo), Chie Nara (Tokai U.), Jelani Nelson (MIT), Paul Nijjar (U. Waterloo), Michael P. O’Brien (NC State U.), Joseph O’Rourke (Smith College), John A. Ochsendorf (MIT), Timo von Oertzen (U. Saarlandes), Seung Man Oh (New York U.), Hirotaka Ono (Kyushu U.), Yota Otachi (JAIST), Aviv Ovadya (MIT), Mark Overmars (Utrecht U.), A. Laurie Palmer (Art Inst.

Chicago), Belén Palop (U. Rey Juan Carlos), Irena Pashchenko (Stanford U.), Matthew J. Patitz (U. Arkansas), Mihai Pătraşcu (AT&T Labs Research), Per-Olof Persson (MIT), Sheung-Hung Poon (National Tsing Hua U.), Gregory N. Price (MIT), Kayhan F. Qaiser (McGill U.), Eynat Rafalin (Google), Suneeta Ramaswami (Rutgers U.), Jennifer Ramseyer (MIT), Felix Reidl (NC State U.), Iris Reinbacher (TU Braunschweig), Ares Ribó (Freie U. Berlin), Ronald L. Rivest (MIT), Steven Robbins (McGill U.), Tom Rodgers (Georgia), Benjamin Rossman (U. Toronto), Günter Rote (Freie U. Berlin), Mikhail Rudoy (MIT), Daniela Rus (MIT), Maria Saumell (U. Politècnica de Catalunya), Tao B. Schardl (MIT), Christiane Schmidt (Linköping University), André Schulz (Universität Münster), Robert T. Schweller (U. Texas Rio Grande Valley), Carlos Seara (U. Politècnica de Catalunya), Saurabh Sethia (SoftJin Tech.), Kathryn Seyboth (Tufts U.), Arlo Shallit (Waterloo, Canada), Jonah Shallit (Waterloo, Canada), Isaac Shapiro-Elowitz (Boston, Massachusetts), Steven Skiena (SUNY Stony Brook), Jack Snoeyink (U. North Carolina, Chapel Hill), Wanbin Son (Pohang U. Science & Technology), Michael Soss (McGill U.), Diane Souvaine (Tufts U.), Omari Stephens (MIT), Ileana Streinu (Smith College), Blair D. Sullivan (NC State U.), Scott M. Summers (U. Wisconsin, Platteville), Cynthia Sung (U. Penn.), Tomohiro Tachi (U. Tokyo), Kazune Takahashi (U. Tokyo), Perouz Taslakian (U. Libre de Bruxelles), Ron Taylor (Berry College), Michael T. Tolley (Harvard U.), Csaba D. Tóth (U. Calgary), Godfried Toussaint (New York U.), Ryuhei Uehara (JAIST), Takeaki Uno (National Inst. Informatics), Yushi Uno (Osaka Prefecture U.), Jorge Urrutia (U. Nacional Autónoma de México), Luis Vega (U. Texas Rio Grande Valley), Helena Verrill (Louisiana State U.), Jérôme Vervier (U. Libre de Bruxelles), Giovanni Viglietta (U. Pisa), Fernando Sánchez Villamil (RWTH Aachen U.), Tomáš Vinař (U. Waterloo), Ming-wei Wang (U. Waterloo), Sue Whitesides (McGill U.), Andrew Winslow (Tufts U.), Robert Wood (Harvard U.), Damien Woods (Caltech), Tim Wylie (U. Texas Rio Grande Valley), Takeshi Yamada (JAIST), Vincent Yeung (MIT), Anak Yodpinyanee (MIT), Zhong You (Oxford U.), Y. William Yu (Harvard U.), Yuancheng Yu (MIT).

BOOKS

1. *A Lifetime of Puzzles* (edited with Erik Demaine and Tom Rodgers), A K Peters, Oct. 2008.
2. *Tribute to a Mathemagician* (edited with Barry Cipra, Erik D. Demaine, and Tom Rodgers), A K Peters, Nov. 2004.

REFEREED JOURNAL ARTICLES

Most papers are available from <http://martindemaine.org/papers/>.

3. “Flat Foldings of Plane Graphs with Prescribed Angles and Edge Lengths” (joint work with Zachary Abel, Erik D. Demaine, David Eppstein, Anna Lubiw, and Ryuhei Uehara), *Journal of Computational Geometry*, volume 9, number 1, pages 74–93, 2018.
4. “Folding Polyominoes into (Poly)Cubes” (joint work with Oswin Aichholzer, Michael Biro, Erik D. Demaine, David Eppstein, Sándor P. Fekete, Adam Hesterberg, Irina Kostitsyna, and Christiane Schmidt), *International Journal of Computational Geometry and Applications*, volume 28, number 3, pages 197–226, 2018.
5. “Pachinko” (joint work with Hugo A. Akitaya, Erik D. Demaine, Adam Hesterberg, Ferran Hurtado, Jason S. Ku, and Jayson Lynch), *Computational Geometry: Theory and Applications*, volume 68, pages 226–242, Mar. 2018. In memory of our friend Ferran Hurtado.
6. “Bumpy pyramid folding” (joint work with Zachary Abel, Erik D. Demaine, Hiro Ito, Jack Snoeyink, and Ryuhei Uehara), *Computational Geometry: Theory and Applications*, volume 75, pages 22–31, Dec. 2018.
7. “An End-To-End Approach to Self-Folding Origami Structures by Uniform Heat” (joint work with Byoungkwon An, Shuhei Miyashita, Aaron Ong, Daniel M. Aukes, Michael T. Tolley, Erik D. Demaine, Robert J. Wood, and Daniela Rus), *IEEE Transactions on Robotics*, volume 34, number 6, pages 1409–1424, Dec. 2018.
8. “Unfolding and Dissection of Multiple Cubes, Tetrahedra, and Doubly Covered Squares” (joint work with Zachary Abel, Brad Ballinger, Erik D. Demaine, Jeff Erickson, Adam Hesterberg, Hiro Ito, Irina Kostitsyna, Jayson Lynch, and Ryuhei Uehara), *Journal of Information Processing*, volume 25, pages 610–615, Aug. 2017.

9. “Total Tetris: Tetris with Monominoes, Dominoes, Trominoes, Pentominoes, . . .” (joint work with Erik D. Demaine, Sarah Eisenstat, Adam Hesterberg, Andrea Lincoln, Jayson Lynch, and Y. William Yu), *Journal of Information Processing*, volume 25, pages 515–527, 2017. Special issue of papers from the 19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games.
10. “Folding and Punching Paper” (joint work with Yasuhiko Asao, Erik D. Demaine, Hideaki Hosaka, Akitoshi Kawamura, Tomohiro Tachi, and Kazune Takahashi), *Journal of Information Processing*, volume 25, pages 590–600, 2017. Special issue of papers from the 19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games.
11. “Even $1 \times n$ Edge Matching and Jigsaw Puzzles are Really Hard” (joint work with Jeffrey Bosboom, Erik D. Demaine, Adam Hesterberg, Pasin Manurangsi, and Anak Yodpinyanee), *Journal of Information Processing*, volume 25, pages 682–694, 2017. Special issue of papers from the 19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games.
12. “Linear-time algorithm for sliding tokens on trees” (joint work with Erik D. Demaine, Eli Fox-Epstein, Duc A. Hoang, Takehiro Ito, Hirotaka Ono, Yota Otachi, Ryuhei Uehara, and Takeshi Yamada), *Theoretical Computer Science*, volume 600, pages 132–142, 2015.
13. “A review on curved creases in art, design and mathematics” (joint work with Erik Demaine, Duks Koschitz, and Tomohiro Tachi), *Symmetry: Culture and Science*, volume 26, number 2, pages 145–161, 2015.
14. “Fun with Fonts: Algorithmic Typography” (joint work with Erik D. Demaine), *Theoretical Computer Science*, volume 586, pages 111–119, June 2015.
15. “Zig-Zag Numberlink is NP-Complete” (joint work with Aaron B. Adcock, Erik D. Demaine, Michael P. O’Brien, Felix Reidl, Fernando Sanchez Villaamil, and Blair D. Sullivan), *Journal of Information Processing*, volume 23, number 3, pages 239–245, 2015.
16. “Computational Complexity of Piano-Hinged Dissections” (joint work with Zachary Abel, Erik D. Demaine, Takashi Horiyama, and Ryuhei Uehara), *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, volume E97-A, number 6, pages 1206–1212, 2014.
17. “Picture-Hanging Puzzles” (joint work with Erik D. Demaine, Yair N. Minsky, Joseph S. B. Mitchell, Ronald L. Rivest, and Mihai Pătraşcu), *Theory of Computing Systems*, volume 54, number 4, pages 531–550, May 2014.
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AWARDS

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