

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

- 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)

2018–2019	Atlanta Airport, Georgia	(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	British Origami Society, England	(invitational)
2017	University of Tokyo, Japan	(invitational)
2017	University of Waterloo, Canada (catalog)	(invitational)
2017	Villa Bagatelle, Canada	(invitational)
2017	<i>Numbers In Nature: A Mirror Maze (traveling exhibit)</i> Franklin Institute, Pennsylvania	(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	<i>Guild of Book Workers: Vessel (traveling exhibit)</i> (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	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)</i> (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)
 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)
 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 från 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 193 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), Greg Aloupis (McGill U.), Byoung Kwon An (MIT), 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 — Pan American), Timothy M. Chan (U. Waterloo), David Charlton (MIT), Barry Cipra (Minnesota), Sébastien Collette (U. Libre de Bruxelles), Robert Connelly (Cornell U.), Mirela Damian (Villanova U.), Eli Davis (MIT), Erik D. Demaine (MIT), Karim Douieb (Carleton U.), Vida Dujmović (McGill U.), Muriel Duijieu (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), Masashi Kiyomi (JAIST), Christian Knauer (Freie U. Berlin), Scott D. Kominers (Harvard U.), Goran Konjevod (Arizona State U.), 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 — Pan American), 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. Texas — Pan American), 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 (MIT), Günter Rote (Freie U. Berlin), Mikhail Rudoy (MIT), Daniela Rus (MIT), Maria Saumell (U. Politècnica de Catalunya), Tao B. Scharld (MIT), Christiane Schmidt (Linköping University), André Schulz (Universität Münster), Robert T. Schweller (U. Texas — Pan American), 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 (MIT), 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 — Pan American), Helena Verrill (Louisiana State U.), Jérôme Vervier (U. Libre de Bruxelles), Giovanni Viglietta (U. Pisa), Fernando Sánchez Villaamil (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 — Pan American), Takeshi Yamada (JAIST), Vincent Yeung (MIT), Anak Yodpinyanee (MIT), Zhong You (Oxford U.).

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. “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*, to appear. Special issue of papers from the 19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games.
4. “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*, to appear. Special issue of papers from the 19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games.
5. “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*, to appear. Special issue of papers from the 19th Japan Conference on Discrete and Computational Geometry, Graphs, and Games.
6. “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.
7. “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.
8. “Fun with Fonts: Algorithmic Typography” (joint work with Erik D. Demaine), *Theoretical Computer Science*, volume 586, pages 111–119, June 2015.
9. “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.
10. “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.

11. “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.
12. “UNO is hard, even for a single player” (joint work with Erik D. Demaine, Ryuhei Uehara, Takeaki Uno, and Yushi Uno), *Theoretical Computer Science*, volume 521, pages 51–61, Feb. 2014.
13. “Folding Equilateral Plane Graphs” (joint work with Zachary Abel, Erik D. Demaine, Sarah Eisenstat, Jayson Lynch, Tao B. Schardl, and Isaac Shapiro-Elowitz), *International Journal of Computational Geometry and Applications*, volume 23, number 2, pages 75–92, Apr. 2013.
14. “Refold Rigidity of Convex Polyhedra” (joint work with Erik D. Demaine, Jin-ichi Itoh, Anna Lubiw, Chie Nara, and Joseph O’Rourke), *Computational Geometry: Theory and Applications*, volume 46, number 8, pages 979–989, Oct. 2013.
15. “Finding a Hamiltonian Path in a Cube with Specified Turns is Hard” (joint work with Zachary Abel, Erik D. Demaine, Sarah Eisenstat, Jayson Lynch, and Tao B. Schardl), *Journal of Information Processing*, volume 21, number 3, pages 368–377, July 2013. Specially Selected Paper.
16. “Reconstructing David Huffman’s Origami Tessellations” (joint work with Eli Davis, Erik D. Demaine, and Jennifer Ramseyer), *Journal of Mechanical Design*, volume 135, number 11, pages 111010-1–111010-7, Nov. 2013.
17. “Joining Unfoldings of 3-D Surfaces” (joint work with Cynthia Sung, Erik D. Demaine, and Daniela Rus), *Journal of Mechanical Design*, volume 135, number 11, pages 111001-1–111001-9, Nov. 2013.
18. “Bounded-Degree Polyhedronization of Point Sets” (joint work with Gill Barequet, Nadia Benbernou, David Charlton, Erik D. Demaine, Mashhood Ishaque, Anna Lubiw, André Schulz, Diane L. Souvaine, Godfried T. Toussaint, and Andrew Winslow), *Computational Geometry: Theory and Applications*, volume 46, number 2, pages 917–928, Feb. 2013.
19. “Non-crossing matchings of points with geometric objects” (joint work with Greg Aloupis, Jean Cardinal, Sébastien Collette, Erik D. Demaine, Muriel Dulieu, Ruy Fabila-Monroy, Vi Hart, Ferran Hurtado, Stefan Langerman, Maria Saumell, Carlos Seara, and Perouz Taslakian), *Computational Geometry: Theory and Applications*, volume 46, number 1, pages 78–92, Jan. 2013.
20. “Hinged Dissections Exist” (joint work with Timothy G. Abbott, Zachary Abel, David Charlton, Erik D. Demaine, and Scott Duke Kominers), *Discrete & Computational Geometry*, volume 47, number 1, pages 150–186, 2012.
21. “NP-completeness of generalized Kaboose” (joint work with Tetsuo Asano, Erik D. Demaine, and Ryuhei Uehara), *Journal of Information Processing*, volume 20, number 3, pages 713–718, July 2012.
22. “Ghost Chimneys” (joint work with David Charlton, Erik D. Demaine, Vida Dujmović, Pat Morin, and Ryuhei Uehara), *International Journal of Computational Geometry and Applications*, volume 22, number 3, pages 207–214, June 2012.
23. “Any Monotone Boolean Function Can Be Realized by Interlocked Polygons” (joint work with Erik D. Demaine and Ryuhei Uehara), *Algorithms*, volume 5, number 1, pages 148–157, Mar. 2012.
24. “Covering points by disjoint boxes with outliers” (joint work with Hee-Kap Ahn, Sang Won Bae, Erik D. Demaine, Sang-Sub Kim, Matias Korman, Iris Reinbacher, and Wanbin Son), *Computational Geometry: Theory and Applications*, volume 44, number 3, pages 178–190, 2011.
25. “Algorithmic Folding Complexity” (joint work with Jean Cardinal, Erik D. Demaine, Shinji Imahori, Tsuyoshi Ito, Masashi Kiyomi, Stefan Langerman, Ryuhei Uehara, and Takeaki Uno), *Graphs and Combinatorics*, volume 27, number 3, pages 341–351, 2011.
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AWARDS

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