

CURRICULUM VITAE

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EDUCATION

Degree	Institution	Date Degree Granted
Ph.D.	University of California at Berkeley Music Composition; Dissertation title: <i>Composing Instruments: Inventing and Performing with Generative Computer-based Instruments</i> ; Advisor: David Wessel	2005
M.A.	University of California at Berkeley Music Composition	2001
B.A.	Swarthmore College Physics and Music, Pre-med	1997

EMPLOYMENT

Carnegie Mellon University, Pittsburgh Associate Professor, School of Art, SIS Area (Sculpture, Installation, Site specific) ArtFab (physical computing, digital fabrication), Founding Director CodeLab (tangible interaction design), Co-Director Music Technology, Steering Committee Emerging Media Masters, co-director of fine arts path, executive management committee IDEATE, founding faculty	2012-
University of Minnesota, Twin Cities Assistant Professor Department of Art, Experimental and Media Arts	2007-2011
Spark Festival for Electronic Music and Art Artistic Director (2010), Artistic Co-Director (2008-9)	2008-2010
Minneapolis Art on Wheels public art collective Principal investigator, Founder, Captain	2008-present
Center for New Music and Audio Technologies University of California at Berkeley Instructor for "CNMAT Summer Workshops"	2000-present
Sony Computer Science Laboratories, Paris Affiliate Researcher in Atau Tanaka's Mobile Music laboratory	2003-2006

Tempo Festival, University of California at Berkeley
Technical Director

2000

Center for New Music and Audio Technologies
University of California at Berkeley
Musical Systems Administrator

1999-2004

INVITED PARTICIPATION IN CURATED EXHIBITIONS (Selected)

- 2016 [Statuevision NYC](#), new public participatory projection performance for the [2016 Kickstarter Summer Festival](#).
Kickstarter Inc. (commissioner), Fort Greene Park, Brooklyn, NY, USA (Jul 30, 2016)

[Dranimate](#), featured during the Vice President of Research Rita Sallam's keynote presentation at the 2016 Gartner Business Intelligence & Analytics Summit. Two new [Dranimate](#) animations were commissioned for the summit, in addition to an existing documentation video.

Gartner Business Intelligence & Analytics Summit 2016 in **Sydney (February), London (March), Dallas (March), Sao Paulo (June), Mumbai (June), Tokyo (July) and Munich (October).**

- 2015 [The Gutless Warrior](#), public projection performance co-authored with Jenny Schmid
Curated by the **Northern Spark Festival**
Walker Art Center, Minneapolis MN, USA (Jun 13, 2015)

[Dancing with Ruby](#), commissioned by Creative Capital in honor of founding director Ruby Lerner's upcoming retirement.

Manny Cantor Center, NYC, USA (Oct 17, 2015)

[Dranimate](#), exhibited at the **Future of Storytelling** conference's **Story Arcade**
Snug Harbor, Staten Island NY, USA (Oct 5-6, 2015)

- 2014 [The Gutless Warrior](#), public projection performance co-authored with Jenny Schmid
Commissioned by Carnegie Mellon University's DRAW 2014 symposium
Artist Image Resource, Pittsburgh PA, USA (Mar 1, 2014)

[The Gutless Warrior](#), public projection performance co-authored with Jenny Schmid
Presented at the **Lawrence Free Festival**

Main Street, Lawrence KS, USA (Jun 27-28, 2014)

[Statuevision](#), public projection performance
Commissioned by 5x5 Near Futures, a contemporary art biennial
Curated by Stephanie Sherman
Dupont Circle, Washington DC, USA (Oct 17, 2014)

[telepuppet.tv](#), public projection performance a co-authored with Nima Dehghani

Commissioned by Connecting Cities, a European Commission project

MediaLab Prado, Madrid, Spain (Sep 27, 2014)

iMal, Brussels, Belgium (October 7, 2014)

FACT, Liverpool, UK (October 2, 2014)

- 2013 *Human Use of Human Being*, robotic installation co-authored with Robin Meier
Commissioned by **Maison des arts de Créteil (MAC)**
Festival VIA, Maubeuge, France (Mar 14 -24, 2013)
Festival EXIT, Maison des arts de Créteil, France (Apr 4-14, 2013)
Festival Le Printemps at Saint-Sauveur, la Gare Saint-Sauveur, Lille, France (May 3-Aug 11, 2013)

Truce, live mosquito and computer installation co-authored with Robin Meier
Exhibited at **Sonica** curated by Cathie Boyd, Patrick Dickie and Graham McKenzie
Center for Contemporary Art, Glasgow, Scotland (Oct 31 October – Nov 3, 2013)

- 2012 *Time Machine*, a permanent living video archive for a living museum
Commissioned by the **Harpo Foundation**
Elsewhere, Greensboro NC, USA (Aug 17, 2012)

Animal Warmth (64), light and sound installation
Curated by Ann Albano
Sculpture Center, Cleveland OH, USA (Nov 9 - Dec 21, 2012)

If The Lion Could Speak, augmented bee-hive installation co-authored with Robin Meier; commissioned by **Loire Atlantique**, curated by Virginie Bourget
Exhibited as part of *Une Mouche dans la Tête*
Domain de la Garenne Lemot, Clisson, France (May 10-Oct 14, 2012)

Department of Smoke and Mirrors, video sculpture co-authored with Jenny Schmid,
Commissioned by Davis Museum, curated by Lisa Fischman
Davis Museum, Wellesley MA, USA (Feb 15 - Jun 3, 2012)

A Tentative Call to the Other, sound installation co-authored with Robin Meier
Exhibited Curated by Ish Sherawat's
Sound Reason Festival, New Delhi, India (Nov 7-13, 2012)

Smoke and Hot Air, kinetic installation co-authored with Robin Mandel
Exhibited as part of **Musrara Mix 12**, curated by Saron Paz and Sharon Horodi
Musrara Schook, Jerusalem, Israel (May 30-Jun 5, 2012)

Smoke and Hot Air, Before I Die and *Animal Warmth (#28, The Time is Now)*
Exhibited in "Narrative, Mechanism, and the Digital Thread" curated by Erika Leppman
Schneider Museum of Art, Ashlan OR, USA (Mar 16 - Apr 28, 2012)

Dream Interpretations, participatory architectural projection performance at the
Center for Visual Art at Southern Oregon University in **Ashland OR, USA (Mar 15,**

2012)

- 2011 *Le Musée Itinerant*, a live projection performance co-authored with David Bithell
Commissioned by Lyndel King
Weisman Art Museum, Minneapolis MN, USA (Jun 6, 2011)

Women's Desert Liberation Front co-authored with Jenny Schmid,
Exhibited at **New Media Arts 2011**, juried by DJ Spooky
2011 Washington Project, Washington DC, USA (Feb 17, 2011)
Exhibited at Philagrafika
The Graphic Unconscious Print Center in Philadelphia, USA (Feb, 2011)

plis/replis, commissioned large scale installation in collaboration with Robin Meier
Exhibited as part of "Expérience Pommery #9: La Fabrique Sonore" curated by Claire Staebler and Charles Carcopino
Domaine Pommery, Reims, France (Sep 23, 2011-Aug 20, 2012)

The Tragedy of the Commons augmented leaf-cutter ant colony installation
co-authored Robin Meier, curated by Marc-Olivier Wahler
Palais de Tokyo, Paris, France (Jul 7-Sep, 2011)

The Battle of Everyouth, public projection performance co-authored with Jenny Schmid, in collaboration with students from Washburn High School
Commissioned by **The Joyce Foundation** and **Northern Spark**
Minneapolis Institute of Art, Minneapolis MN, USA (Jun 4, 2011)

THE MOURNERS: Music from the Courts of the Burgundian Dukes, Live projection performance accompanying the Rose Ensemble
Basilica of Saint Mary, Minneapolis MN, USA (Feb 18-19, 2011)

Seaworthy, public projection performance
Commissioned by the UMN Institute for Advanced Studies
Northrop Hall Facade, Minneapolis MN, USA (Mar 9, 2011)

- 2010 *Animal Warmth #12*, augmented natural history diorama exhibition
Commissioned by the Bell Museum of Natural History
Bell Museum of Natural History, Minneapolis MN, USA (Dec 9, 2010)

Truce, live mosquito and computer installation co-authored with Robin Meier
Exhibited at **Dynasty** curated by Marc-Olivier Wahler
Palais de Tokyo, Paris, France (Jun 10-Sep 5, 2010)

Serenity and Serendipity, sound-installation co-authored with Robin Meier
Curated by Jose Manuel Lopez Lopez
Auditorio Nacional de Música, Madrid, Spain (Jun, 2010)

Smoke and Hot Air, kinetic-installation co-authored with Robin Mandel
Exhibition at **FeedForward/Angel of History** curated by Steve Dietz and Christian Paul

Laboral Centro de Arte y Creación Industrial in Gijon, Spain (Oct 10, 2009-Apr. 5, 2010)

Mini-disasters at the Grand Fork, live projection installation
University of North Dakota, Grand Forks ND, USA (Apr 2010)

A Tentative Call to the Other, sound installation co-authored with Robin Meier,
Exhibited at **Dynasty** curated by Fabrice Hergott and Angeline Scherf
Musée d'Art Moderne, Paris, France (Jun 10-Sep 5, 2010)

Paraguay, live-cinema performance co-authored with David Bithell
Commissioned by the Ammerman Center for Art and Technology
Connecticut College, New London, USA (Feb 9, 2010)

Exquisite Corpse/Lavish Martyr public projection performance
Commissioned by **ZERO 1 New Media Biennial** curated by Steve Dietz
San Jose, USA (Sep 16-19, 2010)

2009 *Truce*, live mosquito and computer installation co-authored with Robin Meier ,
Exhibited at **SIGGRAPH in Yokohama, Japan (Dec 17-19, 2009)**
Exhibited at **Spark Festival in Minneapolis MN, USA (Feb 18-20, 2009)**

2008 *What Paint Doesn't*, public projection performance
For Air, For Water, public projection performance co-authored with Da Wei Xu
Wall Whisperer, public projection performance
Beijing Film Academy, Beijing, China (Sep 2008)

Animal Warmth (#28, The Time is Now), generative light installation
Exhibited at Almost Cinema curated by Eva De Groote
Vooruit, Gent, Belgium (Oct 3-16, 2008)

Table Setting co-authored with David Bithell
Exhibited at Almost Cinema curated by Eva De Groote
Vooruit, Gent, Belgium (Oct 14, 2008)

Smoke and Hot Air, kinetic-installation co-authored with Robin Mandel
Exhibited at Almost Cinema curated by Eva De Groote
Vooruit, Gent, Belgium (Oct 3-16, 2008)

Eyes and Ears and the Truth Itself (No People Allowed), public projection performance
co-authored with Jenny Schmid
Exhibited at **GM8: Pay Attention** curated by Christopher Pole and Patricia McMeans
Soap Factory, Minneapolis MN, USA (Sep 13-Oct 26, 2008)

2006 *What You Say, How You Say It*, interactive sound installation
Exhibited at *Listen* curated by Pamela Winfrey
Exploratorium, San Francisco, USA (Oct 21, 2006 - 2008)

Net Derive in collaboration with Atau Tanaka and Petra Gemeinboeck

Exhibited at at **Maison Rouge, Paris, France (Oct 2006)**

- 2005 *Takemitsu: My Way of Life*, live electronics accompaniment to opera
In collaboration with **Kent Nagano, Peter Musbach** and the **Berlin Opera Company**
Théâtre du Châtelet in Paris, France (Oct 2005)
Bunka Kaikan, Tokyo, Japan (Nov 2005)

Preset 153, live audio-visual installation co-authored with Lorenzo Bianchi
Exhibited at **Cité Université, Paris, France (Mar 10, 2005)**

An[tic], live video installation
Exhibited at the International Symposium for Electronic Arts (ISEA)
Cité Université, Paris, France (Dec 2005)

Frelia, interactive sound sculpture co-authored with Robin Mandel
Commissioned by the International Computer Music Conference (ICMC)
Exhibited at **Pixilations at Rhode Island School of Design, Providence, USA (Nov 9-11 2005)**
Exhibited at **Universitat Pompeu Fabra, Barcelona, Spain (Sep 5-9, 2005)**

iPerg: Epidemic Menace, interactive sound design for pervasive game
Created in collaboration with Sony CLS and Fraunhofer Institute
Exhibited **Fraunhofer Institute, Munich, Germany (June 2005)**

- 2004 *Vaishnava Janeto*, permanent interactive sound installation
Produced by Ranjit Makkuni and Sacred World Research Labs
Eternal Gandhi Multimedia Museum, New Delhi, India (May 2004-present)

PUBLICATIONS

Peer-Reviewed Journals and Conference Proceedings (1st author unless otherwise noted)

E. A. Cappo, Z. Rispoli, N. Deghani, D. Mitchell, A. *Momeni*, and N. Michael. "Choreographing Theatrical Scenes for Aerial Robots through Keyframe Interpolation," in Artistically Skilled Robots Workshop at **International Conference on Intelligent Robots and Systems**, Daejeon, Korea, October 2016.

Momeni, Ali and Anthony Tomasic, Sanjana Baldwa, Helen Hong, Rachel Jue, Mina Kim, Evan Metsky. "ArtBytes: A Mobile App for Mixing Art Appreciation with Art Creation," accepted to "Involving the Crowd in Future Museum Experience Design" workshop at **ACM Computer Human Interaction (CHI)**. San Jose, 2016.

Momeni, Ali and Zach Rispoli. "Dranimate: Paper Becomes Tablet, Drawing Becomes Animation," interactivity demo accepted to **ACM Computer Human Interaction (CHI)**. San Jose, 2016.

Xu, Ding, *Ali Momeni* and Erik Brockmeyer (*2nd author*). "MagPad: A Near Surface Augmented Reading System for Physical Paper and Smartphone Coupling," demo presented at **ACM Symposium on User Interface Software and Technology (UIST)**. Charlotte, 2015.

Momeni, Ali and Zach Rispoli. "Dranimate: Rapid real-time gestural rigging and control of animation," demo presented at **ACM Symposium on User Interface Software and Technology (UIST)**. Charlotte, 2015.

Momeni, Ali and Claire Hentschker. "Statuevision: Glasgow," one-page paper accompanying an installation work exhibited at the **ACM Creativity and Cognition** conference. Glasgow, 2015.

Momeni, Ali and Claire Hentschker. "Statuevision: A participatory, collaborative, cross-generational, urban intervention with public monuments as primary content". Proceedings of the **International Symposium of Electronic Arts** conference. Vancouver, 2015.

Momeni, Ali. "Caress: An Enactive Electro-acoustic Percussive Instrument for Caressing Sounds." Proceedings of the **New Interfaces for Musical Expression (NIME)** Conference. Baton-Rouge, 2015.

Bullock, Jamie and *Ali Momeni* (*co-author*). "ml.lib: Robust, Cross-platform, Open-source Machine Learning for Max and Pure Data." Proceedings of the **New Interfaces for Musical Expression Conference (NIME)**. Baton-Rouge, 2015.

Momeni, Ali and Sinan Goknur. "Exquisite Corpse/Lavish Martyr (ECLM)," position paper presented at The User in Flux workshop held at the **Computer Human Interaction Conference**. Vancouver, 2011.

Coleman, Christopher and *Ali Momeni* (*co-author*). "Maxuino". Proceedings of the **File Conference**. Sao Paolo, 2010.

Momeni, Ali and Cyrille Henry (*co-author*). "Dynamic Independent Mapping Layers". **Computer Music Journal**, 30:1. 2005.

Tanaka, A., *Ali Momeni* (*second author*) and Nao Tokui. "Facilitating Collective Musical Creativity." In Proceedings for **ACM Multimedia**, Singapore. 2005.

Momeni, Ali, and David Wessel. "Characterizing and controlling musical material intuitively with geometric models." Proceedings of the 2003 conference on **New Interfaces for Musical Expression**. Montreal, 2003.

Wright, Matthew, Adrian Freed, and *Ali Momeni* (*second author*). "Opensoundcontrol: State of the art 2003." Proceedings of the 2003 conference on **New interfaces for musical expression**. Montreal, 2003.

Wright, Matthew, Ahm Lee, *Ali Momeni* (*second author*), Adrian Freed. "Managing Complexity with Explicit Mapping of Gestures to Sound Control with OSC". Proceedings of the

International Computer Music Conference. Havana, Cuba. 2001.

Wright, Matthew, Amar Chaudhary, Adrian Freed, Sami Khoury, *Ali Momeni (second author)*, Diemo Schwarz, David Wessel. An XML-based SDIF Stream Relationships Language, Proceedings of the **International Computer Music Conference**, Berlin, Germany. 2000.

Book Chapters

A. Momeni, Anthony Tomasic. "ArtBytes: A Mobile App for Mixing Art Appreciation with Art Creation ," in *Museum Experience Design: Crowds, Ecosystems, and Novel Technologies*, Editors: Arnold P.O.S. Vermeeren, Licia Calvi, Amalia Sabiescu and Dagny Stuedahl. **Springer**: 2017.

A. Momeni. "Gesture, Animation and Storytelling" in *Digital Fictions: The Future of Storytelling*, Editors: Nancy Hightower and Paul D. Miller. **Duke University Press**: 2017.

Non-peer-reviewed Invited Contribution to Catalogues and Magazines

Eyeo Festival Book 2011-2015, <https://eyeo.wufoo.com/forms/q14qdaoz0yfrio0/>

Pommery #9 – *La Fabrique Sonore*, exhibition catalog, Reims, France, 2012

Bauex Art Éditions - Front Cover, image of "plis/replis" exhibited, Reims, France, 2012

ZERO 1 New Media Biennial 2010 in San Jose, CA, 2010

Dynasty exhibition catalog, at Musée d'Art Moderne and Palais de Tokyo, Paris, France, 2010

Feed Forward: *Angel of History* exhibition catalog, at Laboral, Gijon, Spain, 2010

PALAIS / Magazine 12 by Robin Meier, Ali Momeni, Summer 2010

ZERO 1 New Media Biennial 2008 in San Jose, CA, 2008

Self-published works

[A Manual for Urban Projection](#), co-authored with Stephanie Sherman

Websites and Software Development

<http://alimomeni.net>: primary site cataloguing all creative and research activities

<http://alimomeni.net/project/alib/>: collection of real-time software modules for the Cycling '74 Max environment, for visual and musical applications

<http://teach.alimomeni.net>: comprehensive index of university level teaching with links to independent course websites with syllabi, teaching material and student works

<http://artfab.art.cmu.edu>: digital fabrication, physical computing and urban intervention laboratory within the School of Art at Carnegie Mellon University

<http://themaw.org>: primary site for public art collective, principal investigator with

Minneapolis Art on Wheels (MAW) members, includes documentation of several hundred public projection outings as well as links to real-time software developed for malleable and rapid urban projection experiments; co-investigator with Chris Baker and members of MAW

<http://c-uir.org>: primary site for the Center for Urban Intervention Research, an umbrella for all creative activities focused on creative interventions into public spaces with technology

<http://maxuino.org>: middleware which allows artists and musicians working with Cycling '74 Max environment to connect with the popular Arduino physical computing platform co-authored with Christopher Coleman

<http://github.com/cmuartfab/>: code repository for Momeni's lab; contributions include machine learning tools for musicians and artists, current research projects on immersive storytelling, interactive animation, gesture tracking with vision

<https://github.com/cmuphyscomp/physcomp-examples>: repository of lessons, examples and code for Carnegie Mellon University's physical computing curriculum with Integrated Design Art and Technology (IDEATE), co-authored with Garth Zeglin

HONORS, AWARDS, GRANTS and COMMISSIONS

Total since first year as tenure-track assistant professor: **\$1,505,547.**

- 2016 **UPMC Enterprise** Co-Principal Investigator with George Loewenstein for grant to develop "A Device to investigate bowel activity using sound analysis". **\$465,931.**
- .1 **Grable Foundation** Principal Investigator for grant (for development of an integration plan for SocialVR (accessibly authoring tool for Virtual Reality Storytelling). Project consists of development of examples and curricula for embedding SocialVR into Pittsburgh-area experiential learning settings including after-school programs and community engagement organizations. **\$10,000.**

Sprout Grant to support travel to London for presentation of SocialVR at the annual Mozilla Open Internet Festival, MozFest 2016. **\$1,500.**

Machine Learning for Artists and Designers, support from Carnegie Mellon's Schools of Art and Architecture, the Human Computer Interaction institute, the Carnegie Institute for Technology, the School of Computer Science and the Frank-Ratchye STUDIO for Creative Inquiry (SFCl) to support a series of three hands-on workshops by leading developers of machine learning tools for creative applications. Workshops held at SFCl, and will culminate in the publication of a Manual for Creative Machine Learning. **\$4,400.**

CMU Technology Transfer Office Gap Filling Fund grant for "Dranimate," an interactive software system for rapid and intuitive rigging and control of animations based on drawings. **\$25,000**

NSF I-Corps Support for development of "Dranimate," including membership to National Innovation Network, access to the Project Olympus incubator program, mentorship and **\$2,500.**

2015 **Berkman Faculty Development Grant** Principal investigator for, “Shahnameh Remix,” a multimedia robotic and live animation opera. \$8,000.

Studio for Creative Inquiry FRFAF Grant Principal investigator for “Shahnameh Remix,” a multimedia robotic and live animation opera. \$6,000.

SPROUT Hive Grant, Principal investigator for the “Blue Slide Laboratory,” a research project aimed at developing playful situated learning scenarios in urban playgrounds, using augmented reality mobile apps. \$15,000.

2014 **5 x 5 Near Futures**, Principal investigator for a commission of a new work; public projection project for the statues surrounding Dupont Circle in Washington DC. The 5 x 5 project is the largest temporary public art project in the District of Columbia. \$15,000.

National Endowment for the Arts, Co-investigator with Jenny Schmid for commissioned adaptation of the *Gutless Warrior* for large scale outdoor projection as a part of Lawrence Art Center’s *Free State Festival*. \$5,000.

Connecting Cities Co-investigator with Nima Dehghani for commission for a new project entitled *telepuppet.tv*; a European funded project that will toured in Liverpool (FACT), Brussels (iMal, Nuite Blanche), and Madrid (MediaLab PradO) in September and October of 2014. Connecting Cities is a European and Worldwide expanding network building up connected infrastructures of media facades. \$8,000.

Carnegie Mellon University Integrative Design, Arts, and Technology (IDeATe) Co-investigator with Lawrence Shea for seed grant for the development of a public performance and a course within Expanded Theater. \$50,000.

2013 **Creative Capital** Principal investigator for project entitled “The Center for Urban Intervention Research”; project includes publication of “A Manual for Urban Projection” and the establishment of the Center for Urban Intervention Research (CUIR) at Carnegie Mellon University. The 46 funded projects in 2013 were selected from a pool of more than 2,700 applicants. \$50,000.

Carnegie Mellon University Co-investigator with Golan Levin for College of Fine Art grant for \$5,000, Robotics Institute grant for \$2,000, School of Art grant for \$1,000 for execution of a workshop on OpenFrameworks and the Raspberry Pi embedded computing platform for the arts. \$8,000.

Carnegie Mellon University Co-investigator with Garth Zeglin for College of Fine Art grant for \$2,000 and Department of Electrical and Computer Engineering grant for \$2,000 for development of innovative teaching platforms for creative robotics. \$4,000.

2012 **Frank-Ratchye Fund for Art at the Frontier (FRFAF)** Co-investigator with Joshua Bard for “Machine Robot Collaboration.” \$6,500.

Berkmann Faculty Development Grant Principal investigator for, “A Manual for Mobile Projection,” a text for bringing urban projection to the masses. \$5,000.

- 2011 **Harpo Foundation** Principal investigator for commission for a new work in collaboration with **Elsewhere**; design and implementation of real-time technologies and applied media for in-process storytelling and archiving that enabled virtual communication between on-site artists and participants. \$7,000.
- 2010 **Joyce Award** Co-investigator with Jenny Schmid for, for collaborative project with Minneapolis Institute of Arts 2010-2011, "Battle of Everyouth: Public Project Performance," \$50,000, with total project costs of \$120,000.
- Minnesota Futures Program** Principal investigator for grant supporting a two-year project titled "Mobile Media for Everyday People: Bridging the Digital Physical Divide." \$250,000.
- University of Minnesota College of Liberal Arts Research Fellowship** Principal investigator for dedicated to public projection performance. *Semester sabbatical*.
- National Endowment for the Humanities** Co-investigator with PI Nabil Matar, Bill Beeman and Jeanne Kilde for grant supporting **Bridging Cultures**, an interdisciplinary conference on Islam and the Humanities, total project budget \$130,000.
- Minnesota State Art Board Festival Grant** Co-investigator with Steve Dietz for supporting the 2011 Northern Spark Festival," a city-wide dusk-to-dawn art festival, total project budget \$136,000.
- University of Minnesota Grant-in-Aid** Principal investigator for supporting "Public Engagement Through Immersive Street Performance" research. \$36,000.
- Imagine Fund Annual Arts & Humanities Faculty Award** Principal investigator for for the "Liminal Surface: Interactive Table-top Musical Theater." \$3,000.
- Principal investigator for University of Minnesota Imagine Fund Special Events Grant** supporting "Tala New Music Ensemble at the 2010 Spark Festival." \$5,000.
- 2009 **University of Minnesota Imagine Fund Annual Arts & Humanities Faculty Award** Principal investigator for supporting "Liminal Surface: Interactive Table-top Musical Theater." \$3,000.
- CANDO Minneapolis Grant** Co-investigator with Peter Haakon Thompson and Mike Hoyt for supporting community engagement with public projection events throughout South Minneapolis. \$6,000.
- Mellon New Directions Fellowship** University of Minnesota Nominee
- 2008 **University of Minnesota Office of International Programs Institutional Partnership Grant**, Principal investigator for grant supporting a two-year project titled "Cellular Phone Culture, Mobile Media and the Power of Location-Based Interactive Applications," in partnership with Kitchen Budapest. \$25,000,

University of Minnesota Institute for Advanced Studies Collaborative

Research Grant Co-investigator with Jenny Schmid for supporting “Drawing, Animation, Projection and Kinetics.” \$18,000.

University of Minnesota Alexander Dubcek Fund Co-Investigator with Jenny Schmid for, supporting travel to Prague for a series of lectures and studio visits with local artists. \$3,000.

University of Minnesota Office of Information Technologies Small Grant, Principal investigator for “Support for Minneapolis Art on Wheels at 2009 ZERO 1 Festival,” \$5,000.

University of Minnesota Office of Information Technologies Instructional Equipment Grant, Principal investigator for supporting “Creative exposition and social engagement through mobile visualizations and sonification.” \$35,000

University of Minnesota Center for Urban and Regional Affairs Principal-Investigator for research grant supporting Graduate Research Assistantship support for Minneapolis Art on Wheels. \$8,216.

McKnight Summer Research Fellowship Principal-Investigator for grant providing summer salary support to investigate outdoor mobile projection. \$12,000.

Microsoft New Faculty Fellowship, University of Minnesota Nominee.

INVITED LECTURES, VISITING ARTIST, WORKSHOPS and PUBLIC SPEAKING ENGAGEMENTS (Selected)

2016 **Stanford University**, invited lecture at the Center for Computer Research in Music and Acoustics (Palo Alto CA, USA) (upcoming)

University of California Berkeley, invited lecture and workshop at the Center for New Music and Audio Technologies (Berkeley, CA USA) (upcoming)

Kansas State University, visiting artist program and Leonardo LASER talk (Kansas City KS, USA) (upcoming)

Media Architecture Summit 2016, presentation of work on a panel on smart media facades and urban intervention (Toronto, Canada) (upcoming)

2016 **Stanford University**, invited performance at March-Mattness, at Center for Computer Research in Music and Acoustics (Palo Alto CA, USA)

CalArts, invited lecture on research and teaching at CMU, for the “Media Tech Forum” organized by Professor Ajay Kapur (Valencia CA, USA)

University of California Santa Barbara, invited lecture on “Lessons from Creative Collaborations in the Kingdom of Engineers and Economists” for Media Art and

Technology (MAT) seminar series (Santa Barbara CA, USA)

University of California San Diego, invited lecture and workshop “Urban Projection Practices” at the Design Lab (San Diego CA, USA)

School of the Art Institute of Chicago, visiting artist lecture for class taught by Professor Maria Gaspar (Chicago IL, USA)

Kansas State University, visiting artist program and Leonardo LASER talk (Kansas City KS, USA) (upcoming)

Media Architecture Summit 2016, presentation of work on a panel on smart media facades and urban intervention (Toronto, Canada) (upcoming)

University of Colorado, Boulder, visiting artist lecture at the ATLAS Institute, invited by Professor Michelle Ellsworth (Boulder CO, USA)

University of Colorado, Boulder, visiting artist lecture in class taught by Professor Paul Miller--aka DJ Spooky (Boulder CO, USA)

University of Pittsburgh, participation in Panel with composer/theorist and McArthur fellow George Lewis (Pittsburgh PA, USA)

Northern Illinois University, Visiting Artist Lecture and Workshop on “Urban Projection” (Rockford IL, USA)

2015 **New York University**, lecture on creative works invited by Professor Natalie Jeremijenko (New York, USA)

2014 **Aalborg University Copenhagen**, Lecture on interactive and musical works (Copenhagen, Denmark)

2013 **American Musicological Society**, Lecture on musical works at the annual meeting (Pittsburgh, USA)

Glasgow Center for Contemporary Art, Lecture at the on “Truce,” exhibited at the 2013 Sonica Festival of Sound for the Visually Minded (Glasgow, Scotland)

2012 **University of Maine**, invited lecture, studio visits and master class (Portland ME, USA)

American Society of Landscape Architects, invited lecture on urban projection practices, organized by Jeff Schnabel, Architect and professor (Phoenix AZ, USA))

Southern Oregon University, Department of Art, lecture, studio visits and Performance as a part of the Visiting Artist (Ashland OR, USA)

2011 **University of California Berkeley**, invited lecture at Center for New Music and Audio Technologies (CNMAT) on creative works (Berkeley CA, USA)

Anderson Ranch, Workshop on Animated Miniature Worlds (Snowmass CA, USA)

EYEO Festival, lecture on urban projection practices (Minneapolis MN, USA)

Portland State University Department of Architecture, lecture on urban projection at international symposium on Urban Light Strategies (Portland OR, USA)

University of Minnesota, Lecture on Iranian Contemporary art as a part of National Endowment for the Humanities sponsored conference titled *Shared Spaces: Islam and the West in the Arts and Sciences* (Minneapolis MN, USA)

2010 **University of North Dakota**, Lecture on Mobile Projection at Department of Art (Grand Forks ND, USA)

Carleton College, Lecture on mobile projection at Media Studies (Northfield MN, USA)

Amermman Center for Art and Technology at Connecticut College, Lecture on my Liminal Surface project (New London MA, USA)

Vooruit Art Center Physical Computing Workshop and Artist Lecture within “Almost Cinema” (Gent, Belgium)

2009 **Townhouse Gallery**, lecture on Minneapolis Art on Wheels and urban projection (Cairo, Egypt)

Intermedia Arts, lecture on Mobile Projection Practices at “Give & Take” event (Minneapolis MN, USA)

Laboral Center for Contemporary Art, Panelist on Art and Democracy (Gijon, Spain)

Anderson Ranch workshop on “Digital to Physical” co-taught with Robin Mandel (Snowmass CA, USA)

2008 **New York University**, Department of Photography, Lecture on creative works (New York NY, USA)

The School of Fine Arts in Prague, lecture on creative work (Prague, Czech Republic)

Colby College, Department of Art, Lecture on Interactive Sculpture (Waterville ME, USA)

Carleton College, Media Studies, Lecture on Mobile Projection (Northfield MN, USA)

SERVICE

Review Panels

2016 National Endowment for the Arts Media Arts Advisory Panel for Art Works, invited panel member for the category of creation and education based activities

- Baltimore Light City Jury, invited jury panel member for commissioned works
- Paper review panel for ACM Creativity and Cognition Conference
- Associate Chair ACM Designing Interactive Systems (DIS) 2017
- Headlands Center for the Arts, invited Nominator
- Baltimore Office of Promotion & The Arts (BOPA) , invited Juror
- 2015 Music Review panel for 2015 New Instruments for Musical Expression Conference
- 2011 MN State Art Board Review Committee
- 2010 Minnesota State Art Board, Artist Initiative Panelist
- Musical Research Residency Program, Review Committee
Institut de Recherche et Coordination Acoustique/Musique (Paris, France)
- 2009 Art Shanty Review Committee, 2009
- Musical Research Residency Program, Review Committee
Institut de Recherche et Coordination Acoustique/Musique (Paris, France)

Organization of Conferences, Symposia, Exhibitions and Festivals

Total since first year as tenure-track assistant professor: **\$173,900.**

- 2016 “Machine Learning for Artists, 2 of 3” two day immersive workshops by Professor Rebecca Fiebrink (Goldsmith University) applied machine learning for artists and musicians. Organized by Ali Momeni, in collaboration with the STUDIO for Creative Inquiry. \$2,500
- “Machine Learning for Artists, 1 of 3” one-day immersive workshops by Professor Doctor Nick Gillian (Google) on applied machine learning for artists and musicians. Organized by Ali Momeni, in collaboration with the STUDIO for Creative Inquiry. \$1,000.
- “[All Around Us](#),” an exhibition of art works created in admiration of living and preserved insects and their superpowers; Curated by Ali Momeni in collaboration with Murray Horne and Wood Street Galleries. \$25,000.
- 2015 [H3O // v003](#), collaboration with DRIFT PGH, outdoor large-scale projection exhibition held under the Veterans Bridge in Pittsburgh, PA for 300-400 audience members. Continued the expansion in scale and range of works, including more interactive and installation works, and significantly more ambitious live sound design. Exhibition included several installations, multi-media performances and video works. \$2,500.
- [H3O // v002](#), collaboration with DRIFT PGH, outdoor large-scale projection exhibition held under the Veterans Bridge in Pittsburgh, PA for 200-300 audience members.

Overhauled the Drift's outdoor projection event to a larger scale with enhanced media technologies; engaged participation from Urban Intervention class students. Exhibition included several installations, multi-media performances and video works. \$2,000.

- 2013 *Creative Coding with OpenFrameworks and RaspberryPi* workshop, co-directed with Golan Levin at the Studio for Creative Inquiry in October of 2013; 50-person weekend-long workshop and hackaton on advanced media applications with small affordable embedded computers. \$5,000.
- 2011 "MAW Night Light Challenge," Program Director, working with the 2011 Northern Spark festival to curate an open call for 4-5 new projects focused on the theme of light and public spaces. *Part of Northern Spark 2011*
- 2010 *Minneapolis Art on Wheels Artist in Residence Program*, Artistic Director, international residency for eight artists producing mobile projection work in Minneapolis. The following residents were hosted:
- Mateusz Herczka and Pär Frid* (Stockholm, Sweden)
 - Bart Buch and Kyle Loven* (Minneapolis, MN and Seattle, WA)
 - Shanai Matteson and Colin Kloecker* (Minneapolis, MN)
 - Jared Nielsen* (Los Angeles, CA)
 - Aaron Marx* (Minneapolis, MN)
 - Pinar Yoldas* (Durham, NC)
 - Chris Coleman* (Denver, CO)
 - Jeff Crause* (New York, NY)
 - Karolina Sobecka* (New York, NY)

Frames of Violence Symposium, organizer for "Visual Media and Violence" panel, held at Wilson Library (UMN), Winter 2010. Academic symposium including lectures and performances by 20 national and international artists and scholars .

Spark Festival for Electronic Music and Art, Artistic Director, annual international festival at the University of Minnesota (Minneapolis, MN). \$75,000 (2010), \$35,000 (2009), \$25,000 (2008).

Spark 2010 Featured Artists, September-October 2010:

Fred Frith (Oakland, CA), guitarist, composer, and improviser
Furt (London, England), electronic duo
Klaxon Gueule (Montreal, Canada), composer and performer duo
Talea Ensemble (New York, NY), contemporary music ensemble
The Friction Brothers (Chicago, IL), experimental music trio
Patrick Flanagan - Jazari (Minneapolis, MN), robotic ensemble performer
Paul Birken (Duluth, MN), hacker, composer, performer and sound artist
Moe Espinoza--Drumcell--(Los Angeles, CA), beat maker
Mikkel Meyer (Copenhagen, Denmark), electronic musician
Vidal and Vangelis Vargas--Acid Circus--(Los Angeles, CA), electro duo
Vultures (London, England), noise artists

Arlene Birt (Minneapolis, MN), new media artist
Kyle Phillips (Minneapolis, MN), new media artist
Tyler Stefanich (Minneapolis, MN), new media artist
Tectonic Industries (Minneapolis, MN), new media artist team

Spark 2009 Featured Artists, February 2009:

Wafaa Bilal (New York, NY), media artist
Kanta Horio (Tokyo, Japan), electronic artist and musician
Ray Lee (London, UK), sound artist
UMFELD (Amsterdam, Netherlands), audiovisual duo
Beijing Film Academy (Beijing, China), student artists
The Studio for Electro-Instrumental Music [STEIM]: Robert van
Heumen, Joel Ryan, and Taku Mizuta Lippit [DJ Sniff] (Amsterdam,
Netherlands)
David Wessel (Berkley, CA), laptop music pioneer
POLE (Berlin, Germany), Dub/IDM Godfather
Douglas Ewart (Minneapolis, MN), improvising musician
Guerino Mazzola (Minneapolis, MN), free jazz pianist

Spark 2008 Featured Artists, February 2009:

Richard Devine (Los Angeles, CA), electronic musician
Paul DeMarinis (Palo Alto, CA), media artist
Iancu Dumitrescu (Bucuresti, Romania), contemporary composer and
performer
Simon Reynolds (New York, NY), musicologist
Graffiti Research Lab (New York, NY), urban intervention collective

Mobile Music Symposium, Co-chair with Sumanth Gopinath, held at Regis Art Center
(UMN), Spring 2009. Academic Symposium with 15 national and international scholars
contributing to the Oxford Mobile Music Handbook. *Part of Minnesota Futures Grant.*

University Service

IDEATE: among approximately 20 core faculty in new interdisciplinary art/design program at
Carnegie Mellon University
Emerging Media Masters, Management Committee: among approximately 8 core faculty in
new new interdisciplinary art/design masters program at Carnegie Mellon University
College Council, Carnegie Mellon University, 2013-2015
Faculty Senate, Carnegie Mellon University, 2011-2013
Northrop Auditorium Renovation Technology Advisory Group, 2009-present
Weisman Target Collaborative Studio Director Search Committee, Fall 2010
Winton Chair Search Committee, Fall 2009
Weisman Expansion Advisory Committee, 2008

Collegiate Service and Intercollegiate Service

University of Minnesota College Assembly, Fall 2010
University of Minnesota Office of Information Technology Info-tech Review Committee:
2009-2010

Department/Unit Service

Carnegie Mellon School of Art: Head Search Committee, 2015-16.
Carnegie Mellon School of Art: Digital Arts Studio Committee, 2012-15
Carnegie Mellon School of Art: Marketing and Website committee, 2014-15
Carnegie Mellon School of Art: MFA Selection Committee, 2012-14
Art Department: BFA Review Committee, 2007-8, 2008-9
Art Department: Curriculum Committee, 2007-8, 2008-9
Art Department: Graduate Area Representative Committee, 2009-10
Art Department: International Programs, 2010-11
Art Department: Visiting Artist Committee, 2008-9, 2009-2010
Art Department: Ad-Hoc Website Committee (Chair), 2009-present
Collaborative Arts: Curriculum Committee, 2007-2009

LANGUAGE SKILLS

English: Speaking, Reading, Writing (native)
Farsi: Speaking, Reading, Writing (native)
French: Speaking, Reading (fluent)
Spanish: Speaking, Reading (fluent)