

John Marshall, PhD

University of Michigan
Associate Professor, Penny W. Stamps School of Art & Design
Associate Professor, Taubman College of Architecture & Urban Planning
Founding Director, Master of Design Integrative Design (2014-2020)
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rootoftwo, LLC is a Detroit-based research and practice-driven studio that engages in civic future-making, using design methods to facilitate people to imagine and shape collective visions of desirable futures that are more just, resilient, inclusive, and adaptive.

Our self-directed and client-commissioned projects exist typically at the scale of devices, furniture, small buildings, publications, masterplans and strategic frameworks. Through interaction, participation, humor and play our work engages diverse stakeholders and publics to subvert and reimagine systems, infrastructures, and networks.

<http://www.rootoftwo.com/>

Education

2008 **PhD, Design and Technology** - The Robert Gordon University
1997 **MA, Art as Environment** - The Manchester Metropolitan University
1996 **MFA, Sculpture** - The Ohio State University
1993 **BA (Hons), Fine Art** - Glasgow School of Art

Academic Appointments

2014-present **Associate Professor** (with tenure)
University of Michigan Penny W. Stamps School of Art & Design
2014-present **Associate Professor** (without tenure)
University of Michigan Taubman College of Architecture + Urban Planning
2009-14 **Assistant Professor** (courtesy appointment)
University of Michigan Taubman College of Architecture + Urban Planning
2008-14 **Assistant Professor** (tenure-track)
University of Michigan Penny W. Stamps School of Art & Design
2003-04 **Associate Lecturer** (3D Design - fixed term)
Leeds College of Art & Design
1997-98 **Lecturer** (Sculpture - part-time)
The Manchester Metropolitan University

Professional Appointments/Employment

1998-present **Partner/Co-owner:** rootoftwo, LLC
rootoftwo, LLC (formed in 1998 by Cézanne Charles and John Marshall) uses participatory design methods to create innovative and tangible experiences, events, artifacts, spaces, methods, and strategies. Our work engages diverse stakeholders and publics to subvert and reimagine systems, infrastructures, and networks. We call this civic future-making.

Professional Appointments/Employment (continued)

- 2014-present **Co-director:** r+d LAB, LLC
r+d LAB, LLC is a collaborative entity formed by Cezanne Charles, John Marshall (rootoftwo) and Karl Daubmann (daub) to remix models of practice including laboratory, workshop, think-tank, garage, studio, and agency that lead to innovative approaches, designs and environments.
- 2002-2007 **Contract 3D Designer:** Malcolm Cochran Studio
Created digital, 3D models and renderings of public art projects for Hudson River Park, New York City; The Ohio Supreme Court Building and Goodale Park, Columbus, Ohio; and Changhua National University campus in Taiwan.
- 1999-2003 **Designer/Model Maker:** Evenflo Company, Inc.
Explored, conceived, and developed innovative product solutions. Fabricated functioning prototypes and engineering models.

Grants

- 2021 **"Consentful Technology for the Detroit Cultural Center: A Case Study"**
The research question that underpins this study is how might we develop digital applications and spaces in Detroit's Cultural Center that are built with consent at their core, and that support the self-determination of people who use, and are affected by these technologies? This research will make a contribution to the discourse on principles for appropriate investment in infrastructure and rules to govern safe, equitable and consentful uses of place-based technology. Stamps DEI Community Engagement Project in Detroit.
- 2019-20 **"Biometric, Communicative, and Environmental Interfaces: Expanding the Functional Integration of Glass in Promoting Health and Wellness in the Workplace."** Guardian Industries Research Alliance Grant to study how glass-intensive assemblies, composites, and products can promote an architecture of health and workplace wellness, and compliment organizational system and application protocols to destress the contemporary work-sphere. Project Team: Robert Adams, John Marshall, Joy Knoblauch, Upali Nanda, and David Bloom.
- 2019 **"Visualizing Detroit's Emergent Cultural Infrastructure."** Research project using techniques of deep mapping, critical cartography, and community engagement to reveal planned and unplanned places within Detroit that —despite the inequalities—have the potential to bring diverse people together to serve as loci for a more inclusive recovery. This project was made possible by a grant from the A. W. Mellon Foundation.
- 2015 Knight Arts Challenge in Detroit award to examine the impact of technology on 21st Century life by creating **"Anyspace? Whatever."** two architectural installations that propose methods for designing buildings, clothes and objects that can evade electronic means of detection.
- 2015 University of Michigan Office of Research Faculty Grants and Awards Program: **"Whithervanes – Public Art to Public Platform."**
- 2014 Knight Arts Challenge in Detroit award to explore how fear is used in contemporary media by creating **"Whithervanes Open Hardware Kits"** for making dynamic objects that change colors to reflect the prevalence of fear-related keywords in news stories.
- 2014 Taubman College of Architecture + Urban Planning Research on the City Faculty Research Grant Program: **"Rules of the Road: Connecting Chicago to Underutilized Freeway Infrastructure Zones."**

Grants (continued)

- 2013 University of Michigan Office of the Vice President for Research Faculty Grants and Awards Program: **"Whithervane – a new interactive public art installation for Folkestone Triennial."**
- 2011 Taubman College of Architecture + Urban Planning Research on the City Faculty Research Grant Program: **"Re:Tool-Kit for Detroit."**
- 2011 Propeller Fund (Chicago): **"Expose, Intervene, Occupy: Re-interpreting Public Space."**
- 2009 University of Michigan Office of the Vice President for Research: Funds for Research and Scholarship. **"Variable, Adaptable, Reflexive and Responsive."**
- 2009 University of Michigan Office of the Provost: Seed Funding for Multidisciplinary Programs and Team-Taught Courses. **"SmartSurfaces."**
- 2006 Arts Council England Grants for Individuals, Organizations and National Touring: Grant for exhibition **"Perimeters, Boundaries and Borders."**
- 2004-05 Arts Council England Artist Support Grant: **"Changing Futures."** Grant for program of work exploring technological culture.

Awards

- 2019 **2019 Rackham Master's Mentoring Award.** To honor mentors who, through a variety of forms, demonstrate commitment to fostering the intellectual, creative, and professional growth of their master's students. University of Michigan, Rackham Graduate School.
- 2016 **American Institute of Architects Michigan Award.** (unbuilt category). Rules of the Road. r+d LAB, LLC (Cezanne Charles, John Marshall (rooftwo) and Karl Daubmann (daub) to remix models of practice including laboratory, workshop, think-tank, garage, studio, and agency that lead to innovative approaches, designs and environments).
- 2015 **Knight Arts Challenge Detroit.** Anyspace, Whatever?
- 2014 **Knight Arts Challenge Detroit.** Whithervanes: Public Art to Public Platform.
- 2011 **2010-2011 R.D. Richards Memorial Faculty Award.** For extraordinary teaching, creative enterprise and service. University of Michigan, School of Art & Design.
- 2010 **American Institute of Architects Small Project Practitioners Award.** Shadow Pavilion, University of Michigan Matthaei Botanical Garden, Ann Arbor, Michigan, USA. Collaboration with PLY Architecture.
- 2010 **Architect Magazine's R+D Award for Architectural Research.** Shadow Pavilion, University of Michigan Matthaei Botanical Garden, Ann Arbor, Michigan, USA. Collaboration with PLY Architecture.
- 2004-07 **Research Degrees Initiative (RDI)** funding for PhD research. Robert Gordon University.

Professional Service

- 2019 **Academic External Reviewer** for the Cyclical Program Review of the undergraduate and graduate programs in Industrial Design at Carleton University, Ottawa, Canada.
- 2019 **Reviewer.** The International Journal of Engineering Education.
- 2019 **External Consultant** for the Professional Doctorate in Design at University of Gloucestershire, UK.

Professional Service (continued)

- 2018 **Designer and Facilitator.** Led the inaugural Impact Hackathon at the Stephen M. Ross School of Business for Global Silicon Valley to bring together global leaders — including entrepreneurs, investors, policymakers, business leaders, and academics — to catalyze transformational ideas in social impact investing.
- 2018 **Conference Committee.** Decipher: AIGA Design Educators Community with DARIA Network (Design as Research in the Americas).
- 2012 **Art Papers Committee/Juror.** ACM SIGGRAPH 2012.
- 2011 **Programming Committee and Reviewer.** First International Conference on Smart Design, Nottingham, UK.
- 2011 **Scientific Committee and Reviewer.** National Symposium on Technology and Society, Federal University of Technology, Curitiba, Brazil.
- 2011 **Reviewer.** ACM SIGGRAPH 2011 Juried Art Gallery, "Tracing Home."
- 2011 **Programming Committee and Reviewer.** Create11, London, UK.
- 2011 **Advisory Board and Reviewer.** Making Visible the Invisible, University of Huddersfield, UK.
- 2009 **Reviewer and Juror.** ACM SIGGRAPH 2009 Juried Art Gallery, "Biologic: A Natural History of Digital Life."
- 2009 **International Referee.** 8th European Academy of Design Conference.
- 2005-08 **Advisory Board.** The Senses of Place: Multimodal Representation of Urban Space. Project funded by both the Arts and Humanities Research Council (AHRC) and the Engineering and Physical Sciences Research Council (EPSRC) hosted at the University of Strathclyde, Glasgow.

Design Research & Strategy Consulting

- 2022-present **Cultural Asset Mapping Identification (CAMI)**
A multi-phased approach for developing participatory cultural asset mapping tools, resources, and asset-based approaches to community priorities for Americans for the Arts. Cultural asset mapping provides opportunities for communities to identify and mobilize existing strengths both tangible and intangible. Our work is designed to inform strategies and identify opportunities for asset mapping and asset-based approaches for recovery, renewal, and reimagining efforts which center racial equity and the valuing of marginalized communities within urban, suburban, rural, and tribal geographies.
- 2021-present **Looking Back to Move Forward (LBTMF)**
A 12-month, multi-phased participatory action research project for the Kresge Foundation to understand the catalysts, foundations, and scaffolds that yield resilient creative place-based efforts in Detroit, Memphis, and New Orleans. Our work is designed to inform strategies and identify opportunities for recovery and renewal efforts which center racial equity for African, Latinx, Asian, Arab, and Native American artists and culture-bearers.
- 2020-present **Cultural Center Planning Initiative (CCPI) Digital Capacity-Building**
Our role in this process is to help the CCPI cultural institutions (The Carr Center; Charles H. Wright Museum of African American History; College for Creative Studies; Detroit Historical Museum; Detroit Institute of Arts; Detroit Public Library; Hellenic Museum of Michigan; International Institute of Metropolitan Detroit; Midtown Detroit, Inc.; Michigan Science Center; The Scarab Club; University of Michigan; and Wayne State University) to develop digital capacity, infrastructure and compelling use cases for place-based technology within the Detroit Cultural Center. Our client is Midtown Detroit Inc.

Design Research & Strategy Consulting (continued)

- 2019-21 **Inclusive Design Training Program (IDTP)**
Selected by Design Core Detroit and College for Creative Studies to manage a participatory design process to develop a cohort-based professional development program that brings people together to improve our lives through inclusive design practices. This program will offer capacity-building opportunities for designers and non-designers to respond to the shifting demographic, economic, and environmental realities of the 21st Century.
- 2019-21 **Cultural Center Planning Initiative (CCPI) Digital Strategy**
Selected to participate in an interactive process with the Steering Committee, twelve stakeholder institutions, MDOT, the City of Detroit, the Project Management Group and the broader public to arrive at an operative framework for Detroit's Cultural District. rootoftwo, LLC is responsible for developing an integrated technology plan focused on networking, telecommunications, power, lighting, wayfinding and data upgrades that are part of groundworks and site services/utilities for the cultural district. Our client is Midtown Detroit Inc.

Selected Group Exhibitions

- 2019 **Performance of Place - Visualizing Detroit's Emergent Cultural Infrastructure**
Research project using techniques of deep mapping, critical cartography, and community engagement to reveal planned and unplanned places within Detroit that —despite the inequalities—have the potential to bring diverse people together to serve as loci for a more inclusive recovery. Exhibited during "Mapping the Egalitarian Metropolis: Spaces of Hope" at Michigan Research Studio, 3901 Woodward Avenue, Detroit, May-June, 2019. Project Team: Anya Sirota, John Marshall, Cezanne Charles, and Harley Etienne. This project was made possible by a \$1.3 million grant from the A. W. Mellon Foundation.
- 2019 **Detroit Square (DSQ): Transformer (Competition Winner DIA Plaza | Midtown Cultural Connections)**
Exhibited at Detroit Public Library. A complex challenge, demanding skills in the shaping of public space to welcome and connect people and institutions, and animate the urban fabric, in the context of changing climate and economic constraints. rootoftwo contributed 'The Transformer' - an open source and open data smart city infrastructure that turns the entire 83-acre site into a playable interactive urban landscape. Starting from a baseline of public wi-fi and 5G ready connections, Transformer provides a flexible platform for artists, cultural institutions and the public to engage with controllable LED lighting, sound, projection mapping, outdoor urban screens, and a variety of open data derived from environmental and other sensors throughout the Detroit Square. Collaborators: Agence Ter (Paris), Akoaki (Detroit) and rootoftwo (Detroit). Consultants: Arcadis (Chicago), 8'18 (Paris), Drummond Carpenter (Detroit), Harley Etienne (Detroit).
- 2019 **Competition Stage 3 Finalists DIA Plaza | Midtown Cultural Connections: Detroit Square (DSQ)**
Exhibited at Detroit Institute of Arts. This project involves the master planning of 83 acres of Midtown Detroit. Collaborators: Agence Ter (Paris), Akoaki (Detroit) and rootoftwo (Detroit-based). Consultants: Arcadis (Chicago), 8'18 (Paris), Drummond Carpenter (Detroit), Harley Etienne (Detroit).

Selected Group Exhibitions (continued)

- 2017-18 **RBTS 2.0**
Entry to represent Detroit UNESCO City of Design at the 11th Annual Meeting of the UNESCO Creative Cities Network (UCCN) from June 29 to July 2, 2017 at the Centre des Arts (CDA) in Enghien-les-Bains, France. The exhibition will then reopen September 14, 2017 to January 7, 2018 at the Cité du Design in Saint-Etienne, France. The exhibition 'Are you talking to me: Uses and applications of connected objects' is curated by Dominique Roland, Director of the Centre des Arts (CDA), and Olivier Peyricot, Designer and Director of the research department at the Cité du Design of Saint-Etienne. Exhibition design is by Isabelle Daëron. A group of robotically-enhanced domestic appliances.
- 2017-18 **Whithervanes: Open Hardware Kit**
Entry to represent Detroit UNESCO City of Design at the 11th Annual Meeting of the UNESCO Creative Cities Network (UCCN) from June 29 to July 2, 2017 at the Centre des Arts (CDA) in Enghien-les-Bains, France. The exhibition will then reopen September 14, 2017 to January 7, 2018 at the Cité du Design in Saint-Etienne, France. The exhibition 'Are you talking to me: Uses and applications of connected objects' is curated by Dominique Roland, Director of the Centre des Arts (CDA), and Olivier Peyricot, Designer and Director of the research department at the Cité du Design of Saint-Etienne. Exhibition design is by Isabelle Daëron. The kit is for non-profits/hacker-spaces, citizen journalists, activists, artists, designers and tinkerers that want to develop new modes of access to, engagement with and common ownership of existing data streams using newsfeeds as the starting point.
- 2016-17 **rooftwo: Whithervanes a neurotic, early worrying system**
A short film about 'Whithervanes' by Anna McNay and Martin Kennedy of Studio International continues to be shown as part of the 'Neo-Nomad Project' an initiative of and first shown at SAPAR Contemporary Gallery + Incubator, New York. It was presented at KKA Atelier, Vienna by The Austrian Federal Chancellery and KulturKontakt Austria in September 2016, and at the University of the Arts, Helsinki, Finland in co-operation with HIAP (Helsinki International Artist Programme), in March 2017. Curated by Basak Senova.
- 2015 **Resonance**
Awarded permanent public interactive light work that will consist of an array of 18" wide LED light boxes mounted on the walls and ceiling of the Second Avenue viaduct in Detroit. 'Resonance' is one of three public Midtown Viaduct commissions chosen from a competitive international request for proposals. Produced and commissioned by Midtown Detroit, Inc. Project remains unbuilt.
- 2015 **RBTS 1.0**
Exhibition at Kellogg Center, Michigan State University to coincide with keynote presentation at HASTAC 2015.
- 2014 **RBTS 1.0**
'DETROIT MADE' exhibition at the Detroit Design Festival and at DDF Design Village @ DLECTRICITY. The selected studios were: The Smith Shop; Detroit Wallpaper Co.; Cyberoptix Tie Lab; Carhartt; The Floyd Leg; rooftwo, LLC; Ali Sandifer; Mobel Link; Sundberg Ferar; and Shinola. rooftwo were one of ten studios nominated by an advisory council and then selected according to criteria that included material use, functionality, impact and potential international significance of work.

Selected Group Exhibitions (continued)

- 2014 **Rules of the Road**
'Research on the City' exhibition at Liberty Annex, Ann Arbor, Michigan. This project was made possible by a grant from Alan and Cynthia Berkshire at Taubman College at the University of Michigan. This project received a 2016 American Institute of Architects Michigan Award in the unbuilt category.
- 2014 **Doolittle #7**
'An Evening of Art & Science' at MOCAD (Museum of Contemporary Art, Detroit). Commissioned to develop a new work with Dr. Parag Patil, to be auctioned to raise money for the A. Alfred Taubman Medical Research Institute. Purchased by A. Alfred Taubman.
- 2012-13 **Nora & Torvald (the romance novel)**
'The Love Library' at iMOCA (Indianapolis Museum of Contemporary Art) in Indianapolis, Indiana. Printed Matter Inc. in New York, New York. Spencer Museum of Art in Lawrence, Kansas. MOCAD (Museum of Contemporary Art, Detroit) in Detroit, Michigan. Curated by Chido Johnson.
- 2012 **Re:Tool Kit for Detroit**
'Research on the City' exhibition at Liberty Annex, Ann Arbor, Michigan. This project was made possible by a grant from Alan and Cynthia Berkshire at Taubman College at the University of Michigan.
- 2012 **ba-b&l (11111011100)**
'Post Industrial Complex'. MOCAD (Museum of Contemporary Art, Detroit). Detroit, Michigan. Curated by Jon Brumit & Katie McGowan.
- 2010 **THR_33 (Teahouse for Robots)**
'Trouble in Paradise/Medi(t)ation of Survival'. The National Museum of Modern Art, Kyoto, Japan. Curated by Shinji Kohmoto.
- 2010 **Nora & Torvald**
'Drawing on Sculpture'. Beatrice M. Haggerty Gallery, University of Dallas, Irving, Texas. Curated by Philip A. Shore.
- 2008 **et dukkehjem**
'Chain Reaction' at the Museum of the City of Skopje, Skopje, Macedonia. Curated by Elena Veljanovska & Maja Ciric. Supported by Trust for Mutual Understanding.

Public Projects

- 2018 **Whithervanes for Miami**
The project was commissioned by Locust Projects and the John S. and James L. Knight Foundation. We made 3 Whithervanes (headless chicken weathervanes driven by the climate of fear on the Internet) on three sites.
- 2016-present **Anyspace? Whatever.**
A pair of architectural installations and dialogue/workshop events designed and curated by rootoftwo for 2021. "Anyspace? Whatever." is equal parts architectural installation and public forum and is an open examination of the social and cultural aspects of big data, privacy, internet of things and the networked city. It is currently in development with grant support through the 2015 Knight Arts Challenge Detroit.

Public Projects (continued)

- 2014 **Whithervanes: a neurotic, early worrying system**
These 21st Century weathervanes are controlled by the climate of fear on the Internet. They were presented on five buildings in the seaside town of Folkestone, UK. Commissioned for the 2014 Folkestone Triennial. Curated by Lewis Biggs. Two Whithervanes were subsequently acquired for the permanent collection of Folkestone Artworks.
- 2012 **menotme**
Rackham Building at the Woodward & Warren Corner, 100 Farnsworth, Detroit, Michigan, USA. Collaboration with daub. A new work for 'DLECTRICITY: A New Nighttime, Outdoor Contemporary Art Festival in Midtown Detroit. Curated by Midtown Detroit, Inc. and Art Detroit Now.
- 2012 **WithervaneAR**
Lurie Gardens, Rookery Building, Chicago Board of Trade and BP Pedestrian Bridge within the Chicago Loop, Chicago, Illinois, USA. 4 augmented reality insertions into public space as part of "Expose, Intervene, Occupy: Re-interpreting Public Space". Supported by Propeller Fund and administered by Gallery 400 and threewalls. Funding for the initial years of Propeller Fund is provided by a grant from the Andy Warhol Foundation for the Visual Arts.
- 2009 **Shadow Pavilion**
University of Michigan Matthaei Botanical Garden, Ann Arbor, Michigan, USA. Collaboration with PLY Architecture. This project was made possible by a Research-through-Making grant from Taubman College of Architecture and Urban Planning at the University of Michigan. Received AIA 2010 Small Project Practitioners Award, Architect Magazine's 2010 R+D Award for architectural research and was highly commended in the 2011 ar+d Awards for Emerging Architecture from the Architectural Review.
- 2008 **Fire**
University of Michigan Duderstadt Center, Ann Arbor, Michigan, USA. Collaboration with PLY Architecture. Funded by Arts on Earth.

Residencies

- 2013 The Center for Land Use Interpretation's **Wendover Residence Program**. Wendover Airbase is situated in 3.5 million acres of desert, including the Great Salt Lake, Utah. Residency to conduct tests for a new project.

Publications

- 2022 **'Not at All Evenly Distributed'** Book chapter. Coauthored with Cézanne Charles. In *The Routledge Companion to Media and the City - Routledge Media and Cultural Studies Companions*. Erica Stein (editor), Germaine R. Halegoua (editor), Brendan Kredell (editor). ISBN 9780367441111.
- 2020 **'Living X: 22 Projects Explore the Changing Landscape and Narrative of Detroit and Its Neighborhoods'**
Catalog. rootoftwo. Cezanne Charles & John Marshall (eds.) ISBN 978-1-7354079-0-6.
- 2019 **'Discursive Design: Critical, Speculative, and Alternative Things'**
Features Whithervanes. Book. MIT Press. Bruce & Stephanie Tharp. ISBN 9780262038980.
- 2018 **'Locust Projects: The 20th Anniversary Retrospective 1998-2018'**
Features Whithervanes. Book. Tra Publishing. ISBN 978-1-7322978-1-4.
- 2017 **'Data Cities'**
Features RBTS 2.0 & Whithervanes: Open Hardware Kit. Exhibition Catalog. Centre des Arts. ISBN 9782916639444.
- 2017 **'Working Promesse. Les Mutations Du Travail (Shifting Paradigms of Works)'**. Saint-Étienne International Design Biennial 2017. Cite Du Design. Exhibition Catalog. ISBN 978-2912808714.
- 2016 **Temporal, Contextual, and Situated: Design Practice and Research for Future-Making.**
Coauthored with Cezanne Charles. Sikko Cleveringa, Deanna Herst & Michelle Kasprzak (eds.) Commissioned by the Willem de Kooning Academy and Rotterdam University of Applied Sciences, *Beyond Social Issue 2: Education*. 2016, <http://beyond-social.org/issue-2.html>
- 2016 **Using Architecture Design Studio Pedagogies to Enhance Engineering Education.**
Published in the *International Journal of Engineering Education* Vol. 32, No. 1(B), pp. 364–383, 2016.
- 2014 **TBD Catalog Vol 9 Issue 24.** Book. Near Future Laboratory. ISBN 978-0-9905633-0-3.
- 2014 **Folkestone Triennial 2014.** Exhibition Catalog. Creative Foundation.
- 2013 **Learning Outcomes from an Art-Engineering Co-curricular Course.** Proceedings of the 120th Annual Conference of the American Society for Engineering Education.
- 2012 **SmartSurfaces: a hands-on, multidisciplinary think-tank.** Published in 'Performative Practices: Architecture and Engineering in the 21st Century', Moe, & Braham (eds). Washington, DC: ACSA Press. ISBN 978-0-935502-79-4. pp. 34-43.
- 2010 **Undisciplinarity.** Book chapter. Published in "Digital Blur: Stories from the Edge of Creative Design Practice", Rodgers and Smyth (eds.) Libri Publishing. ISBN: 978-1907471018. pp. 216-223.
- 2009 **Autotelematic Spider Bots.** Photo. Published in 'In Conversation with Ken Rinaldo', Giovanni Aloï. *Antennae: The Journal of Nature in Visual Culture*, Issue 9, Spring 2009, ISSN: 1756-9575. pp. 39.
- 2009 **Flight, Landing.** Photography in book. Published in "Digital by Design", Troika. Thames & Hudson Ltd. ISBN: 978-0500514382.
- 2008 **Perimeters, Boundaries and Borders.** Exhibition Catalog. John Marshall (ed.) Fast-uk. ISBN: 978-0615213552.
- 2008 **Ontologies of Production: 21st Century Transformations in Manufacturing.** Book chapter. Published in "Product Scotland", Rodgers (ed.) Napier University School of Creative Industries. ISBN: 978-0-9558468-0-9. pp. 70-73.
- 2007 **Cyclone.soc.** Photography in book. Published in "The Fundamentals of Digital Art", Richard Colson. AVA Publishing SA. ISBN: 978-2940373581. pp. 74.

Publications (continued)

- 2007 **Autotelematic Spider Bots.** Photo. Published in "Hungry Bots Must Eat", Megan Mansell Williams. Make: Technology on Your Time, Issue 11, August 2007, ISSN: 1556-2336. pp. 23.
- 2007 **The post disciplinary digital practitioner.** Conference paper. Published in "Shaping the future?" Bohemia, Hilton, McMahon & Clarke (eds.) Hadleys Ltd. ISBN: 978-0-9553942-1-8.
- 2006 **Computer Technologies and Transdisciplinary Discourse: Critical Drivers for Hybrid Design Practice?** Journal article. Published in CoDesign, Vol. 2, No. 2. (June 2006), pp. 109-122. Taylor and Francis. ISSN 1571-0882 (2006) 2:2; 1-5.
- 2005 **VIBE Summer 05: Grabbing attention - the function of public video art.** Journal article. Published in the International Digital Media & Arts Association Journal, Vol. 2 No. 2. (Summer, 2005).
- 2005 **Perimeters, Boundaries and Borders: New Dimensions Of Design In The Convergent Fields Of Sculpture, Industrial Design and Architecture.** Conference paper. Published in "Crossing Design Boundaries", Rodgers, Brodhurst & Hepburn (eds.) Taylor & Francis. ISBN 0415391180.
- 2005 **Perimeters, Boundaries and Borders: Hybrid Objects in the Convergent Fields of Sculpture, Industrial Design and Architecture.** Conference paper. Published in "Applications of Digital Techniques in Industrial Design Engineering - CAID&CD 2005" published by International Academic Publishers/World Publishing Corporation, Beijing, PRC. ISBN: 7-5062-7444-2.

Selected Press

- 2020 **'Detroit's Cultural Center to get free outdoor Wi-Fi.'** Candice Williams.
<https://www.detroitnews.com/story/news/local/detroit-city/2020/12/28/detroit-cultural-center-getting-free-outdoor-wi-fi/4062025001/>
- 2019 **'New Plan Aims to Revamp Midtown Detroit, the City's Cultural Hub.'** Rebecca Greenwald.
<https://www.metropolismag.com/cities/detroit-dia-plaza-plan/>
- 2019 **'Detroit picks team to shape Midtown cultural center.'** Karen Dybis.
<https://archpaper.com/2019/06/midtown-cultural-center-detroit-agence-ter-akoaki/>
- 2018 **'Art of the Everyday.'** Cathy Byrd.
<https://freshartinternational.com/2018/07/09/art-everyday/>
- 2018 **'These Headless Chickens Spin Frantically When the News Gets Bad.'** Ben Paynter.
<https://www.fastcompany.com/40555962/these-headless-chickens-spin-frantically-when-the-news-gets-bad>
- 2016 **'On Our Radar.'** Whithervanes: From Public Art to Public Platform. OOR is a limited-run, searchable, public database hosted by Creative Capital featuring short synopses of projects that advanced to the second or third round in its highly competitive grant program (grant year 2015).
- 2014 **'Retooling Manufacturing in Detroit.'** Diana Budds.
<http://www.dwell.com/interviews/article/retooling-manufacturing-detroit>
- 2014 **'Art Attack.'** Veronica Simpson. Blueprint, September-October, 2014. pp. 104-122.
- 2014 **'These Weather Vanes Spin When there's Bad News.'** Margaret Rhodes.
<http://www.wired.com/2014/09/weather-vanes-spin-around-threat-levels-internet-go/>

Selected Press (continued)

- 2014 **'These Headless Chicken Weathervanes Spin When the Internet Freaks Out.'** Sydney Brownstone. <http://www.fastcoexist.com/3035313/these-headless-chicken-weathervanes-spin-when-the-internet-freaks-out>
- 2014 **'Whithervane Project Shows Which Way the Internet's Bad News Is Blowing.'** Rob Walker. <https://www.yahoo.com/tech/whithervane-project-shows-which-way-the-internets-96557056569.html>
- 2014 **'Headless rooftop chickens by rooftopwo respond to internet panic levels.'** Alyn Griffiths. <http://www.dezeen.com/2014/09/03/whithervanes-rooftwo-headless-weather-vanes-fear-levels-folkestone-triennial-2014/>
- 2014 **'rooftwo (John Marshall and Cezanne Charles): interview.'** Anna McNay & Martin Kennedy. <http://www.studiointernational.com/index.php/rooftwo-whithervanes-folkestone-triennial-interview>
- 2014 **'Folkestone Triennial 2014 Review.'** Tim Adams. <http://www.theguardian.com/artanddesign/2014/aug/31/folkestone-triennial-2014-review-kents-gold-coast>
- 2014 **'Small Town, Big Ideas: Folkestone Triennial.'** Millie Walton. <http://www.port-magazine.com/feature/small-town-big-ideas-folkestone-triennial/>
- 2014 **'Is it the end of the world? Headless chicken weathervanes to track language of fear online.'** Adam Withnall. <http://www.independent.co.uk/news/weird-news/is-it-the-end-of-the-world-headless-chicken-weathervanes-to-track-language-of-fear-online-9190177.html>
- 2013 **'On Our Radar.'** B.O.L.T.S. a collaborative project with daub. OOR is a limited-run, searchable, public database hosted by Creative Capital featuring short synopses of projects that advanced to the second or third round in its highly competitive grant program (grant year 2012).
- 2010 **'Tea House for Robots by rooftopwo and PLY Architecture.'** Joe Mills. <http://www.dezeen.com/2010/07/13/tea-house-for-robots-by-rooftwo-and-ply-architecture/>

Curated/Juried Exhibitions

- 2017 **ShiftSpace** (rooftwo - invited curator)
Saint-Étienne International Design Biennial 2017 (Working Promesse: Shifting Paradigms of Work). A café, meeting place, and shared workspace for participants and visitors to the Biennale featuring furniture, food, commissioned artworks, and products by Detroiters. It offered meals, drinks, and was the venue for a series of encounters and discussions, as well as workshops and events on the theme: Universal Basic. Supported by Creative Many Michigan, LAAVU, John S. and James L. Knight Foundation, Kresge Foundation, Ford Foundation, Sister Pie, Faygo, and McClure's Pickles. Created 17 temporary jobs for designers and service industry workers. Cite du Design Biennial Curator: City of Design Olivier Peyricot, with Jennifer Rudkin, Tiphaine Kazi-Tani, Léo-Pol Martin with Marie Lechner. Scenography: g.u.i (Nicolas Couturier, Benoît Verjat et Cyril A. Magnier).
- 2011 **SmartSurfaces: A Multidisciplinary Hands-on Think Tank** – student work exhibited at ACADIA 2011 Annual Conference, The University of Calgary, Alberta, Canada.

Curated/Juried Exhibitions (continued)

- 2011 **Video In the Built Environment** (Summer '11)
Uncommon. Screened at 'SYNC: Art Meets Technology,' NextEnergy, Detroit, Michigan for Friends of Modern and Contemporary Art, Detroit Institute of Arts.
- 2011 **Video In the Built Environment** (Winter '11)
Room To View, Hilton Hotel New York, New York, USA. Presented in conjunction with the New Media Caucus at the College Art Association Conference.
- 2009 **Biologic: A Natural History of Digital Life.** SIGGRAPH 2009 Juried Art Gallery, Ernest N. Morial Convention Center, New Orleans, USA.
- 2009 **Video In the Built Environment on Play** (3 Collections) Presented at: University of Michigan School of Art and Design; Work • Ann Arbor; and on Michigan Channel 22.
- 2006 **Perimeters, Boundaries and Borders**
CityLab, Lancaster England, UK.
- 2006 **Video In the Built Environment** (3 Collections) Presented at: Vidi Festi in Valencia, Spain; The Milwaukee Art Museum, Milwaukee, Wisconsin, USA; and on the main LED screen in Federation Square, Melbourne, Australia.
- 2006 **Video In the Built Environment** (Summer '06)
Chapman University in Orange, California and at the Florida State University London Study Center, UK.
- 2005 **Video In the Built Environment** (Summer '05)
Chicago, Illinois, USA, Liverpool and Manchester, UK.
- 2005 **Video In the Built Environment** (Spring '05)
Exchange Square, Manchester, UK and Orlando, Florida, USA.
- 2003 **Intersculpt:UK03**
The Museum of Science and Industry in Manchester, Manchester, UK.
- 2001 **Intersculpt:Ohio01**
Archetype Gallery, Dayton, Ohio, USA.

Invited Lectures and Conference Presentations

- 2021 "Imagining a More Inclusive and Sustainable Approach to Design Challenges with Design Core Detroit" **AICD Symposium 2021: Must Give Us Pause: Diversity + Sustainability** (Virtual).
- 2020 "Smart Cities - Best Practices by UNESCO Cities of Design" **UNESCO City of Design Meeting** hosted by Graz, Austria.
- 2020 "Developing a More Inclusive Approach to Design With rooftwo" **College for Creative Studies' Toyota Lecture Series**, Detroit, MI.
- 2019 "83 acres of Midtown Detroit: Can the smart city also be equitable?" **Sketching in Hardware 2019**, Detroit, MI.
- 2019 **Redefining Everything: How Creatives Change the Way We Live, Work, and Play**
Panel discussion moderated by Nancy Tellem, Executive Chairman & Chief Media Officer at Eko and Executive Board Member Metro-Goldwyn-Mayer; featuring Carla Diana, Designer-in-Residence and Head of 4D Design at **Cranbrook Academy of Art**; Bryan Boyer co-founder and partner at Dash Marshall; John Marshall and Cézanne Charles partners in the award-winning hybrid design studio, rooftwo; Rachel Frierson, Director of Programming of the Detroit Riverfront Conservancy. Hosted at The Madison, Detroit.

Invited Lectures and Conference Presentations (continued)

- 2019 **The Intersection: The Science of Place.** Cezanne Charles and John Marshall from rooftopwo were in conversation with Zach Kaiser at the **Museum of Contemporary Art Detroit (MOCAD)**. The Intersection: The Science of Place was conceived by the Ford Curatorial Fellows with initial support from the Community Foundation for Southeast Michigan and MSUFCU with additional support by Michigan State University's Science Gallery Detroit. The Ford Curatorial Fellows are supported by the Ford Foundation.
- 2018 "So, I spent 8 years on a one-liner..." **Sketching in Hardware 2018**, Detroit, MI.
- 2017 "John Marshall, Katherine Moriwaki, Lora Oehlberg, and Aaron Blendowski." Round-robin interviews at **Sketching in Hardware 2017**, Detroit, MI.
- 2017 "Stamps MDes in Integrative Design" - invited presentation at **IDS Education Symposium 2017** in Atlanta, GA - an overview of the MDes program.
- 2017 "Integrative Design for Better Healthcare" presentation at University of Michigan's **Institute for Healthcare Policy and Innovation** - an overview of the MDes program to date with the graduating MDes students also presenting each of their projects from the I-MPACT collaboration.
- 2017 "Shaping Behavior" at **IDEO Chicago** - invited by Jane Fulton Suri to present the recent work of rooftopwo, LLC and talk about the Stamps MDes program to the entire staff.
- 2016 "Whithervanes: a neurotic, early worrying system." **SXSW Eco Place by Design 2016 Finalists** in Austin, TX (in the Art + Interaction category: creative work that beautifies, raises awareness and transforms the way passers-by or users interact with public space).
- 2015 "Who would you rather trust? SKYNET or Chicken Little?" - invited presentation for **Michigan Interactive and Social Computing (MISC)** lecture series at University of Michigan.
- 2015 "Swings & Roundabouts: Our Fondest Hopes, Our Biggest Plans, and Our Bitterest Disappointments." Presentation at Sketching in Hardware 2015, **Biosphere 2**, Tuscon, Arizona.
- 2015 Keynote presentation at **HASTAC 2015** at Kellogg Center, Michigan State University.
- 2015 "Design is... Design does" - invited presentation for **Design Science Colloquium** lecture series at University of Michigan.
- 2014 "Violence, Militancy and Design Research" peer-reviewed session at **Design Research Society 2014 Conference**, Umeå, Sweden.
- 2014 "Why we need to stop talking about 'Industrial' design" - invited presentation for **Design Science Colloquium** lecture series at University of Michigan.
- 2014 "PUBLIC SPHERE" - a panel discussion with artist Mary Miss at **Lawrence Technological University**, Detroit, Michigan.
- 2013 "Tales of Getting Things Made in *The D*" - panel discussion at **ASAP5 CONFERENCE: "ARTS OF THE CITY"** (Association for the Study of the Arts of the Present), Wayne State University, Detroit, Michigan.
- 2013 "Whithervane: a neurotic early worrying system" - presentation at Sketching in Hardware 2013 at **PARC** (Palo Alto Research Center Incorporated).
- 2013 "Learning Outcomes from an Art-Engineering Co-curricular Course" - presentation at **American Society for Engineering Education 120th Annual Conference**, Atlanta, Georgia.
- 2013 "Turning Data into Art & Design" - presentation at **15th Allied Media Conference**, Wayne State University, Detroit, Michigan.
- 2013 "The Tactical Appropriation of Space" - presentation at the **Smithsonian's National Museum of American History**, hosted by the Lemelson Center for the Study of Invention and Innovation.

Invited Lectures and Conference Presentations (continued)

- 2012 "Cognition and Context: How Space Affects Learning and Creativity in the Undergraduate Setting" – participant. A small working group convened by the Learning Spaces Collaboratory (LSC) at the **Herman Miller Retreat Center** in Holland, Michigan. Supported by The Alfred P. Sloan Foundation.
- 2012 "Reframing Conventions" – invited presentation for MSc Proseminar lecture series at University of Michigan's **Taubman College**.
- 2012 "Altering Conventions" – invited presentation for **Design Science Colloquium** lecture series at University of Michigan.
- 2012 "To Be Designed" – participant and co-organizer. A three day workshop that brought together a small group of designers, writers, curators, journalists, and technologists in a broad discussion about shifts going on in the world of making, manufacturing, design and innovation. The **University of Michigan Detroit Center**.
- 2012 "Design Futures" – panel moderator (Jon Kolko, Founder and Director Austin Center for Design; Erin Sanders, Senior Interaction Designer Frog Design; Gavin Kroeber, Producer and Founder Experience Economies; and David Benjamin, The Living and Director of the Living Architecture Lab at Columbia University's Graduate School of Architecture, Planning and Preservation) at **Detroit Design Festival**, A. Alfred Taubman Center for Design Education, College for Creative Studies, Detroit, MI.
- 2012 "A Cloud Is Just Vapor If You Don't Know How To Use It" – presentation at **Sketching in Hardware 2012** at University of Oregon, Portland, OR.
- 2012 "Learning Outcomes from a Multidisciplinary, Hands-On, Think Tank" – presentation at **28th National Conference on the Beginning Design Student** at State College, Pennsylvania.
- 2012 "Using Problem-Based Learning to Foster Student Development" – presentation at the **4th Annual Conference on Higher Education Pedagogy** at Virginia Tech.
- 2011 "Un-ask the question..." – invited presentation for MSc Digital Technologies lecture series at University of Michigan's **Taubman College**.
- 2011 "SmartSurfaces: A Multidisciplinary Hands-on Think Tank" – presentation at the **Association of Collegiate Schools of Architecture 2011 Teachers Seminar** at Parsons the New School for Design, New York.
- 2011 "Lab Culture: Hands-on, Think-Tanks for Cities" – invited presenter and moderator of panel at Rust Belt To Artist Belt III, **Taubman Center for Design Education**, Detroit, Michigan.
- 2010 "SmartSurfaces: A Multidisciplinary Hands-on Think Tank" – invited presentation at Soft Borders Conference, **Universidade Estadual Paulista**, São Paulo, Brazil.
- 2010 Presentation of recent work at Faculdade de Arquitetura e Urbanismo da **Universidade de São Paulo**, Brazil.
- 2010 Opening remarks at The Future of Technology Conference at University of Michigan's **Taubman College**, Rackham Auditorium.
- 2010 "Tea House for Robots: Making an Interactive Environment" – invited presentation at **Maker Faire Detroit, 2010** at the Henry Ford Museum.
- 2010 "Digital Blur" – invited presentation for 'Digital Discourse' lecture series at University of Michigan's **Taubman College**.
- 2010 "Establishing New Digital Media Program(s) at The Glasgow School of Art: What would success look like?" – invited presentation at the **Glasgow School of Art**, Glasgow, UK.
- 2009 "The ampersand in parentheses." Keynote presentation at Digital Design (&) Art Symposium, **De Montfort University**, Leicester, UK.
- 2009 "Science and art." Presentation to **National Nanotechnology Infrastructure Network** hosted at University of Michigan.

Invited Lectures and Conference Presentations (continued)

- 2008 Presentation to faculty of **Kyoto City University of Arts**, Kyoto, Japan.
- 2008 "Why decide to work across multiple domains?" presentation at Design Science Colloquium and Decision Consortium, **Department of Psychology**, University of Michigan.
- 2008 "The Tao of P.O.O. (Post-optimal Objects)." Lecture at **European University**, Skopje, Macedonia.
- 2008 Invited participant at "Algorithms and Scripting for Visual Art" a National Science Foundation funded CPATH workshop, **La Salle University**, Philadelphia, Pennsylvania, USA.
- 2007 "21st Century Transformations in Manufacturing." Presentation to Product Scotland workshop, **Gray's School of Art**, Aberdeen, UK.
- 2007 "Talking Shop." Presentation to Product Design department at **Glasgow School of Art**, Glasgow, UK.
- 2007 "Dan Graham's Art as Design/Design as Art." Lecture at **Fruitmarket Gallery**, Edinburgh, UK.
- 2007 Invited speaker at **International Ceramic Research Center**, Guldagergaard, Skælskør, Denmark.
- 2006 Invited speaker at UK launch of Rhinoceros 4.0 - **Metropolitan Works**, London, UK.
- 2006 Invited participant at "Practices, Materiality and Product Design" Workshop, at **Durham University**, UK.
- 2005 Conference presentation at 3rd Engineering & Product Design Education International Conference, **Napier University**, Edinburgh, UK.
- 2005 Conference presentation at Computer-Aided Industrial Design & Conceptual Design (CAID&CD 2005), **TU Delft**, The Netherlands.
- 2005 Invited participant at "Manipulate Media: Performative Development of Ubiquitous Media" workshop at **Centre for Contemporary Arts**, Glasgow, UK.
- 2005 Invited speaker at Speckled Computing Arts Network Meeting, University of Edinburgh's **School of Informatics**, Edinburgh, UK.

University Teaching and Advising

- Winter 2022 ARTDES 781 Design Advising: Stephanie Szemetylo (MDes Thesis Committee Chair, 6 credits)
ARTDES 780 Thesis Prep (3 credits)
ARTDES 761 Design Advising: Niki Fairchild-Azevedo (MDes Primary Advisor, 2 credits)
ARTDES 760 Design Studio 3: Co-creation (4 credits)
ARTDES 652 MDes Design Seminar 2: Design for the 21st Century (3 credits)
ARTDES 751 MDes Design Seminar 3: Professional Practice (3 credits)
ARTDES 663 Design Advising Akhila Kosaraju (MDes Primary Advisor, 2 credits)
ARTDES 663 Design Advising Joie Zhang (MDes Primary Advisor, 2 credits)
ARTDES 489 3D Design Portfolio Project (3 credits)
- Fall 2021-22 ARTDES 751 MDes Design Seminar 3: Professional Practice (3 credits)
ARTDES 215 Fab: Wood & Metal (3 credits)
- Winter 2021 ARTDES 652 MDes Design Seminar 2: Design for the 21st Century (3 credits)
ARTDES 489 3D Design Portfolio Project (3 credits)
- Fall 2020-21 ARTDES 650 MDes Design Methods (3 credits)
ARTDES 215 Fab: Wood & Metal (3 credits)

University Teaching and Advising (continued)

- Winter 2020 ARTDES 781 MDes Thesis Advising: Colleen Clark (MDes Thesis Committee Chair, 6 credits); Megan Freund (MDes Thesis Committee Chair, 6 credits)
ARTDES 663 Design Advising Kristin Lauritsch (MDes Primary Advisor, 2 credits)
ARTDES 652 Design Seminar 2: Design for the 21st Century (3 credits)
- Fall 2019-20 ARTDES 761 Design Advising: Colleen Clark (MDes Primary Advisor, 2 credits); Megan Freund (MDes Primary Advisor, 2 credits)
ARTDES 780 Thesis Prep (3 credits)
- Winter 2019 ARTDES 663 Design Advising: Colleen Clark (MDes Primary Advisor, 2 credits); Megan Freund (MDes Primary Advisor, 2 credits)
ARTDES 781 MDes Thesis Advising: Katherine Jones (MDes Thesis Committee Chair, 6 credits)
- Fall 2018-19 ARTDES 662 Design Advising: Colleen Clark (MDes Primary Advisor, 2 credits); Megan Freund (MDes Primary Advisor, 2 credits)
ARTDES 751 Design Seminar 3: Professional Practice (3 credits)
ARTDES 761 Design Advising: Katherine Jones (MDes Primary Advisor, 2 credits)
ARTDES 780 Thesis Prep (3 credits)
- Winter 2018 ARTDES 781 MDes Thesis Advising: Priyanka Raju (MDes Thesis Committee Chair, 6 credits)
ARTDES 752 Design Seminar 2: Design for the 21st Century (3 credits)
ARTDES 663 Design Advising: Katherine Jones (MDes Primary Advisor, 2 credits)
ARTDES 663 Design Advising: Prachi Bhagane (MDes Primary Advisor, 2 credits)
- Fall 2017-18 ARTDES 662 Design Advising: Katherine Jones (MDes Primary Advisor, 2 credits)
- Winter 2017 ARTDES 781 Design Advising: Elizabeth Vander Veen (MDes Thesis Committee Chair, 6 credits)
ARTDES 783 MDes Thesis Project (3 credits)
- Fall 2016-17 ARTDES 751 MDes Professional Practice Seminar (3 credits)
ARTDES 760 Design Studio 3: Co-creation (4 credits)
ARTDES 761 Design Advising: Elizabeth Vander Veen (MDes Thesis Committee Chair, 2 credits)
ARTDES 780 MDes Thesis Preparation (3 credits)
- Spring 2016 ARTDES 665 Fieldwork Studio at Guardian Industries Corp. (6 credits)
- Winter 2016 ARTDES 661 Design Studio 2: Prototyping (4 credits)
BA Capstone Advising: Jake Saphier
- Fall 2015-16 ARTDES 660 Design Studio 1: Inquiry (4 credits)
ARTDES 651 Design Seminar 1: Integration (3 credits)
BA Capstone Advising: Jake Saphier
- Winter 2015 Graduate Advising: Cameron Van Dyke (MFA Thesis Committee Chair).
UROP Supervision: West Chase.
- Fall 2014-15 ARTDES 416, OMS 548, IOE 548 Integrated Product Development (6 credits).
ARTDES 215.001 Fabrication 1: Wood & Metal - Construction (3 credits).
Graduate Advising: Cameron Van Dyke (MFA Thesis Committee Chair). Camilla Kraft (MFA Thesis Committee Chair).
Independent Study: Nolan Loh.
UROP Supervision: West Chase.
- Winter 2014 ARTDES 499 Integrative Project (6 credits).
ARTDES 300.011 Prototyping (3 credits).
ARTDES 500 Independent Study: Eric Sheffield (Performing Arts Technology, 3 credits).
Graduate Advising: Cameron Van Dyke.
Graduate Critiques: Cameron Van Dyke, Lia Min.

University Teaching and Advising (continued)

- Fall 2013-14 ARTDES 416, OMS 548, IOE 548 Integrated Product Development (6 credits).
ARTDES 498 Integrative Project (6 credits).
- Fall 2013-14 ARTDES 350 Independent Study: Ana Clara Malaquias de Araujo (BArch, 3 credits).
Graduate Advising: Cameron Van Dyke.
Graduate Critiques: Cameron Van Dyke, Mike Bianco.
- Spring 2013 ARCH 739 MSc Digital Technologies Capstone Studio (6 credits).
- Winter 2013 ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator, 3 credits).
ARTDES 499 Integrative Project (6 credits).
ARTDES 500 Independent Study: Alexander Watanabe (MSc Material Systems, 3 credits).
Graduate advising: Molly Dierks.
Graduate Critiques: Trevor King, Molly Dierks.
- Fall 2012-13 ARTDES 306 Digital 3D (3 credits).
ARTDES 498 Integrative Project (6 credits).
Graduate Critiques: Mia Cinelli, Molly Dierks, Ann Bartges, Peter Leix.
Multidisciplinary Design Minor advising: Stephanie Schutter (A&D, 3 credits).
- Winter 2012 ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator, 3 credits).
Graduate advising: Meghan Reynard (MFA Thesis Committee Chair).
Graduate Critiques: John Gutoskey, Ann Bartges, Molly Dierks, Kayla Romberger.
Multidisciplinary Design Minor advising: Stephanie Schutter (A&D, 3 credits), Yiquan Zhang (CoE, 3 credits).
- Fall 2011-12 ARTDES 306 Digital 3D (3 credits).
ARTDES 413.001, ARCH 672.001, MATSCIE 493.033 SmartSurfaces (3 credits).
Graduate advising: Meghan Reynard (MFA Thesis Committee Chair)
Graduate Critiques: Siyang Chen, Bernadette Witzack, Chantal Gibson, Rolando Palacio.
- Winter 2011 ARTDES 400 Integrative Project (6 credits).
ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator, 3 credits).
Graduate advising: Michael Borowski (MFA Thesis Committee Chair), James Rotz.
Design Science Co-Advising: Bill Phillips.
Examined: Bill Phillips, Design Science PhD Qualifying Exam Part 2.
Multidisciplinary Design Minor advising: Eric Harman (A&D, 3 credits), Jason Prasad (CoE, 3 credits), Alex Carmichael (TCAUP, 3 credits).
- Fall 2010-11 ARTDES 400 Integrative Project (6 credits).
ARCH 409.001, ARTDES 300.010, MATSCIE 493.033 SmartSurfaces (3 credits).
Graduate advising: Michael Borowski (MFA Thesis Committee Chair), Meghan Reynard.
- Fall 2010-11 Design Science Co-Advising: Bill Phillips.
Examined: Bill Phillips, Design Science PhD Qualifying Exam Part 1.
- Winter 2010 ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator, 3 credits).
ARTDES 400 Integrative Project (3 credits).
Graduate advising: Rui Mu (MFA Thesis Committee Chair), Meghan Reynard.
Design Science Co-Advising: Bill Phillips.
- Fall 2009-10 ARTDES 400 Integrative Project (6 credits).
ARCH 409.001, ARTDES 300.10, MATSCIE 493.033 SmartSurfaces (3 credits).
Graduate advising: Rui Mu (MFA Thesis Committee Chair), Michael Borowski.
Design Science Co-Advising: Mobeen Shaukat, Bill Phillips.
Examined: Mobeen Shaukat, Design Science PhD Qualifying Exam Part 2.
- Spring 2009 Graduate advising: Reem Gibriel.

University Teaching and Advising (continued)

- Winter 2009 ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator, 3 credits).
ARTDES 400 Integrative Project (6 credits).
- Winter 2009 Graduate advising: Ann Stewart (MFA Thesis Committee Chair), John Walters.
Design Science Co-Advising: Mobeen Shaukat, Bill Phillips.
Examined: Mobeen Shaukat, Design Science PhD Qualifying Exam Part 1.
ARTDES 400 Integrative Project (6 credits).
- Fall 2008-09 ARTDES 700 Graduate Seminar (Progress, 3 credits).
Graduate advising: Ann Stewart (MFA Thesis Committee Chair), Rui Mu.
Design Science Co-Advising: Mobeen Shaukat.
- Spring 2008 ARTDES 500 Independent Study: Mobeen Shaukat.
- Winter 2008 ARTDES 130 CFC I Human Being/Being Human (3 credits).
ARTDES 300 Post-optimal Objects (3 credits).
Graduate advising: Ann Stewart, Rui Mu.

University Service

- Winter 2022 Creative Practice & Research Committee (elected)
UofM Campaign Theme Group for Health and Wellness (appointed)
- Fall 2021-22 Creative Practice & Research Committee (elected)
UofM Campaign Theme Group for Health and Wellness (appointed)
- Winter 2021 Faculty Awards & Nominations Committee (elected)
- Fall 2020-21 Faculty Awards & Nominations Committee (elected)
- Winter 2020 Detroit Center for Innovation Curriculum Development Committee (appointed)
Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
Faculty Awards & Nominations Committee (elected)
- Fall 2019-20 Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
Faculty Awards & Nominations Committee (elected)
- Winter 2019 Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
MDes Working Group (appointed)
- Fall 2018-19 Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
- Winter 2018 Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
Stamps PhD in Design Working Group (appointed)
- Fall 2017-18 Sabbatical Leave
- Winter 2017 Program Director MDes Integrative Design (appointed)
Stamps School of Art & Design Executive Committee (elected)
- Winter 2017 Graduate Program Committee (ex-officio)
Stamps PhD in Design Working Group (appointed)
- Fall 2016-17 Program Director MDes Integrative Design (appointed)
Stamps School of Art & Design Executive Committee (elected)
Graduate Program Committee (ex-officio)
Stamps PhD in Design Working Group (appointed)

University Service (continued)

- Winter 2016 Program Director MDes Integrative Design (appointed)
Stamps School of Art & Design Executive Committee (elected)
Graduate Program Committee (ex-officio)
- Fall 2015-16 Program Director MDes Integrative Design (appointed)
Stamps School of Art & Design Executive Committee (elected)
Graduate Program Committee (ex-officio)
- Winter 2015 Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
Creative Practice & Research Committee (elected)
- Fall 2014-15 Program Director MDes Integrative Design (appointed)
Graduate Program Committee (ex-officio)
Creative Practice & Research Committee (elected)
- Winter 2013 Graduate Program Committee (elected)
Creative Practice & Research Committee (elected)
Design Faculty Search Committee (3 positions)
Visualization Committee
- Fall 2013-14 Graduate Program Committee (elected)
Creative Practice & Research Committee (elected)
Visualization Committee
- Winter 2013 Graduate Program Working Group.
Undergraduate Curriculum Working Group.
Creative Practice & Research Working Group.
ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator).
ArtsEngine Faculty Advisory Committee.
ArtsEngine Curricular Task Force.
- Fall 2012-13 ArtsEngine National Research Subcommittee.
A&D Electives Committee.
- Winter 2012 A&D Dean Search Advisory Committee.
Design Computing Search Committee (Taubman College of Architecture + Urban Planning).
ArtsEngine Faculty Advisory Committee.
ArtsEngine Curricular Task Force.
UofM Google Faculty Learning Community.
A&D Electives Committee.
ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator).
ARTDES 231 CFC III Nature (Faculty Coordinator).
- Fall 2011-12 A&D Dean Search Advisory Committee.
Design Computing Search Committee (Taubman College of Architecture + Urban Planning).
ArtsEngine Faculty Advisory Committee.
ArtsEngine Curricular Task Force.
UofM Google Faculty Learning Community.
A&D Electives Committee.
- Winter 2011 3D Nano-Jumbo Search Committee (Chair).
A&D Dean Search Advisory Committee.
New Building Committee.
A&D Electives Committee.
ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator).
Integrative Project Committee.

University Service (continued)

- Fall 2010-11 A&D Electives Committee.
Faculty/Grad Studios Project Team.
Integrative Project Committee.
- Fall 2010-11 Integrative Project Consultations (Chair).
- Winter 2010 ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator).
Integrative Project Committee.
Faculty/Grad Studios Project Team.
- Winter 2010 Graduate Exercises.
- Fall 2009-10 Faculty/Grad Studios Project Team.
Integrative Project Committee.
Integrative Project Consultations (Chair).
- Winter 2009 ARTDES 130 CFC I Human Being/Being Human (Faculty Coordinator).
Integrative Project Committee.
Faculty Search Committee.
- Fall 2008-09 Portfolio Reviews.
Faculty Search Committee.
Integrative Project Committee.
Integrative Project Consultations (Chair).
- Winter 2008 Digital Committee.