

**KATHY VELIKOV**  
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Professor and Associate Dean for Research and Creative Practice  
University of Michigan Taubman College of Architecture and Urban Planning,  
Director, rvtr | <http://www.rvtr.com/>  
Former President and Vice-President, [ACADIA](#) (Association for Computer Aided Design in Architecture)

## EDUCATION

2004-2006      **University of Toronto, Faculty of Arts:** Master of Arts (MA) History of Art and Architecture  
1994-1996      **University of Waterloo, School of Architecture:** Bachelor of Architecture (B.Arch)  
1990-1994      **University of Waterloo, School of Architecture:** Bachelor of Environmental Studies (B.ES) (pre-professional Architecture)

## REGISTRATION AND PROFESSIONAL ASSOCIATIONS

2012-present      **American Institute of Architects (AIA):** Registered Architect in the State of Michigan  
2002-present      **Ontario Association of Architects (OAA):** Registered Architect in the Province of Ontario

## ACADEMIC APPOINTMENTS

2021-present      **University of Michigan**, Ann Arbor, MI  
Taubman College of Architecture and Urban Planning: Professor and Associate Dean for Research and Creative Practice  
2015-2021      **University of Michigan**, Ann Arbor, MI  
Taubman College of Architecture and Urban Planning: Associate Professor  
2009-2015      **University of Michigan**, Ann Arbor, MI  
Taubman College of Architecture and Urban Planning: Assistant Professor  
2007-2009      **University of Waterloo**, Waterloo, ON Canada  
School of Architecture: Assistant Professor  
2006-2007      **University of Michigan**, Ann Arbor, MI  
Taubman College of Architecture and Urban Planning: Willard A. Oberdick Fellow  
1998-2006      **University of Toronto**, Toronto, ON Canada  
Faculty of Architecture, Landscape & Design: Adjunct Assistant Professor (sessional)  
1996-1998      **University of Waterloo**, Waterloo, ON Canada  
School of Architecture: Adjunct Assistant Professor (sessional)

## VISITING FACULTY POSITIONS

2021-2024      **The Bartlett, University College London Faculty of the Built Environment**, London, UK  
External Examiner, B-Pro Program  
2013      **California College of the Arts**, San Francisco, CA  
Visiting Guest Professor, CCA 333 Summer studio, August 2013  
2010      **Ryerson University**, Toronto, ON  
Department of Architectural Science: Visiting Professor, MArch Summer Studio

## PROFESSIONAL EXPERIENCE

2007-present      **RVTR**, Ann Arbor and Toronto: Partner and Director  
1997-2007      **Velikov + Thün Building Studio**, Toronto: Principal  
2001-2004      **ArchitectsAlliance**, Toronto: Senior Designer  
1999-2001      **Sterling Finlayson Architects**, Toronto: Associate  
1995-1999      **Teeple Architects**, Toronto: Intern  
1997      **Architetti Ottonne Pigniatti**, Rome, Italy: Assistant

- 1994 **BDR Architetti Associati**, Rome, Italy: Student Intern
- 1993 **Davidson Yuen Simpson Architects**, Vancouver: Student Intern
- 1993 **Osburn & Clark Associates**, Vancouver: Student Intern
- 1992 **Anthony Kemp Architect**, Toronto: Student Intern

## HONORS, RECOGNITION + AWARDS

- 2022 **Fellow, Academic Leadership Program (ALP) of the Big Ten Academic Alliance, 2022-23**
- 2020 **AIA/ACSA Housing Design Education Award**  
Studio: New Domesticities New Collectivities [K. Velikov & J. Rule]
- Technology + Architecture Design (TAD) Research Contribution Award 2019-2020**  
Article: Junghans, L., Tish, D., Bruggman, D., Thün, G., & Velikov, K. (2018). Climate Measures: Experiments Toward Hyper-Local Reverse Heat Flow Assemblies. *Technology / Architecture + Design (TAD)*, 2 (2), 218-228.
- 2017 **AZ Awards Program: Winner**  
EXTRACTION, Award Category: Social Good  
Pierre Belanger / OPSYS: Curator, RVTR: Design Research and Exhibition Design  
[Jury: N. M. Lister (abstain), A. Munge, T. Richardson, N. Tehrani, M. Vanderbyl]
- Canadian Society of Landscape Architects (CSLA), National Award of Excellence**  
EXTRACTION, Award Category: Design Communication, Risk and Resilience  
[Curator: P. Belanger, RVTR: Design Research and Exhibition Design]
- 2016 **R+D Awards of Excellence, Honorable Mention (Architect Magazine)**  
Infundibuliforms (G.Thün, K. Velikov, W. McGee, D. Tish)
- 2015 **EXTRACTION**  
Canada Council for the Arts: 2016 Venice Biennale of Architecture (Juried Team Selection)  
(in collaboration with P. Belanger (OPSYS), N. M. Lister, K. Blackwell)  
RVTR: Design Research and Exhibition Design  
[Jury: P. Buchanan, L. A. Couture, L. Szacka]
- Jack Layton Ferry Terminal Competition Short-Listed Finalist**  
RVTR in joint venture with Clement Blanchet Architecture and Batlle I Roig.
- 2014 **TEX-FAB Plasticity Competition: Honorable Mention**  
Pneusystems, RVTR  
[Jury: B. Ball, A. Huang, V. S. Fratello, K. Tracy, C. Yogiama, J. Zabel]
- ACSA Faculty Design Award: Honorable Mention**  
Infra-Eco-Logi Urbanism(e) Exhibition (G.Thün & K. Velikov)  
[Jury: J. Enright, D. Hinson, S. Kennedy]
- 2013 **Architizer A+ / Architecture + Sound Jury Award: Design Award**  
Resonant Chamber (RVTR / ARUP)
- Architizer A+ / Architecture + Sound Popular Vote Award: Design Award**  
Resonant Chamber (RVTR / ARUP)
- Journal of Architectural Education Best Design as Scholarship Award**  
Article: Velikov, K., Thün, G., & Ripley, C. (2012). Thick air. *Journal of Architectural Education (JAE)*, Special Issue: *Beginning Design*, 6(2), 69-97.
- 2012 **ACSA Faculty Design Award**  
The Stratus Project (K. Velikov & G. Thün)  
[Jury: N. Tehrani, M. Zell, G. Luhan, T. Buresh]
- 2011 **Evergreen Awards, Eco-Structure Magazine: Special Jury Award: Design Award**  
*North House Project* (RVTR / Team North)
- Royal Architectural Institute of Canada (RAIC): Award of Excellence for Innovation in the Practice of Architecture**  
*North House Responsive Envelope System* (RVTR / Team North)  
[Jury: S. McFarlane, J. Tuer, B. Helliwell, C. Healey, D. Vaughan, C. Kimmet]

- Life at the Speed of Rail Competition: Honorable Mention: Open Competition**  
 Van Allen Institute: Conduit Urbanism (RVTR)  
 [Jury: C. Coletta, K. Easterling, C. Hawthorne, G. Hustwit, M. Lejeune, T. Mayne, P. Todorovich]
- 2010 **Architect Magazine, R&D Award Program, Award of Excellence: Design Award**  
*North House Responsive Envelope Prototyping* (RVTR / Team North)  
 [Jury: F. Barkow, C. Correa, J. Wu]
- Ontario Association of Architects (OAA) Design Excellence Award: Design Award**  
*North House Project* (RVTR / Team North)  
 [Jury: L. Ruchards, G. Dorrett, G. Murray, M. Searle, E. Shipman]
- 2009 **Canada Council for the Arts: Professional Prix de Rome in Architecture**  
 (C. Ripley, G. Thün, K. Velikov | RVTR)  
 [Jury: M. Asselin, B. Flaman, V. Gow, R. Kroeker, D. Morrison]
- Twenty + Change 02**  
 Selected Firm for National Exhibition of Emerging Canadian Architecture (RVTR)  
 [Jury: A. Cormier, C. Macy, C. Pommer, J. Bakker, I. Chodikoff]
- Outstanding Faculty Performance Award**  
 University of Waterloo, Faculty of Engineering
- 2008 **Young Architect's Forum Award: The Architectural League of New York**  
 (K. Velikov & G. Thün | RVTR)  
 [Jury: K. Fairbanks, M. Robbins, J. Reiser; Committee: J. Beckmann, C. Lasch, J. Lott, C. Tsao]
- Living Steel Extreme Housing: Honorable Mention:**  
 2-stage International Competition 'Latitude Housing System': Cherepovets, Russia (RVTR)  
 [Jury: G. Murcutt, K. Lintula, M. Middleton, P. Patkau, S. Skuratov, A. Venediktov]
- Lieutenant Governor of British Columbia Merit Award for Excellence in Architecture**  
 Fred Kaiser Building, University of British Columbia  
 (architectsAlliance / Omicron in joint venture, K. Velikov project design lead)
- 2007 **9th Annual Arquine Urban Design Competition: Third Place: Open Competition**  
*Plaza de las tres Culturas: Bridging Strata* (RVTR)  
 [Jury: H. Ricalde, R. Rudzinsky, M. Flores, Arturo Aispuro, Carlos Ferrater]
- 2006 **Willard A. Oberdick Fellowship**  
 University of Michigan, Taubman College of Architecture and Urban Planning
- Beatty Doctoral Fellowship: Declined**  
 University of Toronto)
- 2005 **Canadian Architect Award of Excellence: Design Award**  
 S.W.A.M.P House (Velikov+Thün Building Studio)  
 [Jury: R. Oulette, C. Provencher, M.. Taylor]
- 2000 **Toronto Society of Architects (TSA): First Place**  
 Toronto Harborfront Ideas Competition  
 Bridging II: Ecological Linkages at the Don River (Velikov+Thün Building Studio)
- 1999 **Canadian Architect Award of Excellence: Design Award**  
*The Luminous Veil, Prince Edward Viaduct Toronto* (Dereck Revington Studio, K. Velikov collaborator)
- Prince Edward Viaduct Safety Barriers First Place**  
 National Design Competition  
*The Luminous Veil, Prince Edward Viaduct Toronto* (Dereck Revington Studio, K. Velikov collaborator)
- 1997 **Royal Architectural Institute of Canada (RAIC) Medal**  
 Professional degree thesis design work
- 1995 **Tayo Kogyo International Membrane Design Competition: First Place**  
 Open Competition: Festival Infrastructure (K. Velikov & A. Mesaros)  
 [Jury: K. Kurokawa, K. Kuma, Y. Riken]

## SCHOLARLY PUBLICATIONS + PRESENTATIONS

### BOOK VOLUMES

- 2022 Dwyre, C., Perry, C., Salomon, D., & Velikov, K.(eds.). (2022). *Ambiguous Territory: Architecture, Landscape and the Postnatural*. Barcelona: Actar.
- 2015 Thün, G., Velikov, K., Ripley, C., & McTavish D. (2015). *Infra Eco Logi Urbanism: A Project for the Great Lakes Megaregion*. Zurich, CH: Park Books.
- 2008 Beesley, P., Velikov, K., Thün, G., & Woodbury, R. (2008). *NORTH HOUSE: Team North entry to the 2009 Solar Decathlon*. Cambridge, ON: Riverside Architectural Press/ CDRN.

### BOOK CHAPTERS

- 2023 Velikov, K. (2022). Bio-Physical Envelopes / Sensing Boundaries / Emotive Intermediaries: material ecologies of discursive skins. In F. Trubiano, A. Farrow, M.J. Fuentes, S. Kolber, M. Llor (eds.), *Bio Techno Matter Synthetics* Barcelona and New York: ACTAR. [in copy edits]
- 2022 Velikov, K., & Thün, G. (2022). Infrastructural Hybrids. In M. el Khafif & S. McDowell (eds.), *Next Cities: Next New York*. (118-139) New York: ORO Publishers.
- Velikov, K., & Thün, G. (2022). Environment-Aware Behavioral Envelopes: Design Ecologies, Adaptive Geometries, and Technologies for Interaction. In Mitra Kanaani (ed.), *Routledge Companion to Ecological Design Thinking in Architecture & Urbanism*. (363-275). London: Routledge
- Velikov, K., & Thün, G. (2022). Redistributing Sense-able Atmospheres. In J.S. Nesbitt (ed.), *Nature of Enclosure* (144-161). Barcelona and New York: Actar.
- 2021 Thün, G., Sanyal, T., Velikov, K. (2021). Mapping the food energy water nexus across cascading scales: Contexts for Detroit from region to city. In R. Roggema (ed.), *TransFEWmation: Towards design-led food-energy-water systems for future urbanization* (171-207). London: Springer.
- 2018 McGee, W., Velikov, K., Thün, G., & Tish, D. (2018). Prologue for a Robotic Architecture: Bridging design environments, robotic additive manufacture and systemic controls for kinetic in-formation. In A. Wit & M. Daas (eds.), *Towards a Robotic Architecture: Frameworks and Processes* (190-203). New York: ORO Editions.
- 2017 Velikov, K., & Thün, G., (2017). Shed Cartographies: A Methodology for Regional Research. In D. Ibañez, C. Lyster, C. Waldheim, & M. White (eds.), *Third Coast Atlas* (84-95). New York: ActarD.
- Velikov, K., & Thün, G. (2017). Infrastructure and Territory. In I. Ruby & A. Ruby (eds.), *Infrastructure Space* (34-36). Zurich: Ruby Press. (Introduction to following thematic chapter)
- Velikov, K., & Thün, G. (2017). Territorial Infrastructures: Recognizing politico-environmental ecologies. In I. Ruby & A. Ruby (eds.), *Infrastructure Space* (194-208). Zurich: Ruby Press.
- 2014 Velikov, K., & Thün, G. (2014). Towards an architecture of cyber-physical systems. In D. Gerber & M. Ibanez (eds.), *Paradigms in Computing: Making, machines, and models for design agency in architecture* (330-341). Los Angeles: eVolo / ActarD.
- Thün, G., & Velikov, K. (2014). CONDUIT Urbanism: Regional ecologies of energy and mobility. In P. Scaglione & M. Ricci (eds.), *A22 New Ecologies for Osmotic Infrastructures* (306-327). New York: List / Actar. [Invited reproduction of original 2009 text with revisions and Italian translation]
- 2013 Velikov, K., Bartram, L., Thün, G., Barhydt, L., Rodgers, J., & Woodbury, R. (2013). Empowering the Inhabitant: Communications technologies, responsive interfaces and living in sustainable buildings. In R. Henn & A. Hoffman (eds.), *Sustainability and the Places We Inhabit* (171-195). Cambridge: MIT Press.
- 2012 Thün, G., & Velikov, K. (2012). Conduit Urbanism: Rethinking infrastructural ecologies in the Great Lakes Megaregion, North America. In S. Stremke & A. van Dobbelen (eds.), *Sustainable Energy Landscapes* (261-284). London: CRC Press / Taylor & Francis.
- Ripley, C., Velikov, K., & Thün, G. (2012). Soft Goes Hard. In N. Bhatia & L. Sheppard (eds.), *Bracket [goes soft]* (34-48). Barcelona: Actar. [juried submission: B. Bratton, J.Czerniak, J. Inaba, G. Manaugh, P. Rahm and C. Renfro]
- Velikov, K., & Thün, G. (2012). Responsive Envelopes: Characteristics and evolving paradigms. In F. Trubiano (ed.), *Design and Construction of High-Performance Homes* (75-92). London: Routledge.

- Thün, G., & Velikov, K. (2012). North House: Climate responsive envelope and control systems. In F. Trubiano (ed.), *Design and Construction of High-Performance Homes* (265-282). London: Routledge.
- 2010 Thün, G., & Velikov, K. (2010). Conduit Urbanism: Retooling regional ecologies of energy and mobility. In K. Stoll & S. Lloyd (eds.), *Infrastructure as Architecture. Designing Composite Networks*, (64-69). GmbH: Jovis Verlag.
- 2009 Ripley, C., Thün, G., & Velikov, K. (2009). Aqua Alte: Transforming the Venetian Lagoon. In J. Knechtel (ed.), *Water* (220-239). Cambridge: MIT Press.
- 2008 Thün, G., & Velikov, K. (2008). Post-Carbon Highway. In J. Knechtel (ed.), *Fuel* (164-211). Cambridge: MIT Press.
- 2007 Ripley, C., Velikov, K., Thün, G., & Raff, P. (2007). Eat the city to save the planet: Toronto as new Agropolis. In A. Wilcox, C. Pallasio & J. Dovercourt (eds.), *GreenTOpia* (226-228). Toronto: Coachhouse Press.

## REFEREED JOURNAL ARTICLES

- 2020 Velikov, K., & Thün, G. (2020). Fluid Territories: Cultivating common practices through the design of water redistribution. *Journal of Architectural Education (JAE), Special Issue: Water*, 74 (1), 92-100.
- 2019 Tish, D., McGee, W., Schork, T., Thün, G., & Velikov, K. (2019). Case Studies in Topological Design and Optimization of Additively Manufactured Cable-Net Structures. *Structures*, 18, 83-90.
- 2018 Velikov, K., Dwyre, C., Salomon, D., & Perry, C. (2018). Ambiguous Territory: Aesthetic Practices Against Agrilogistics. *FOOTPRINT Journal: The Architecture of Logistics*, 23 (Autumn / Winter), 147-159.
- Junghans, L., Tish, D., Bruggman, D., Thün, G., & Velikov, K. (2018). Climate Measures: Experiments toward hyper-local reverse heat flow assemblies. *Technology | Architecture + Design (TAD)*, 2 (2), 218-228.
- 2016 Velikov, K., & Thün, G. (2016). Urban platforms for appropriation: Protean prototypes. *OASE Journal for Architecture: OASE #96: SOCIAL POETICS\_ The Architecture of Use and Appropriation*, 96, 98-105.
- 2015 Velikov, K., Thün, G., O'Malley, M., & Junghans, L. (2015). Computational and physical modeling for multi-cellular pneumatic envelope assemblies. *International Journal of Architectural Computing (IJAC)*, 2(13), 143-168.
- Velikov, K. (2015). Tuning Up the City: Cedric Price's Detroit Think Grid. *Journal of Architectural Education (JAE), Special Issue: Crisis*, 69(1), 40-52.
- 2014 Velikov, K., Thün, G., O'Malley, M., & Simbuerger, W. (2014). Nervous Ether: Soft aggregates, Interactive Skins. *Leonardo: The Journal of the International Society of the Arts, Sciences and Technology*, 47(4), 344-351.
- 2013 Velikov, K., Thün, G., & McTavish, D. (2013) Fragmentary Utopistics: Towards a manifesto for a megaregional public. *Think Space Pamphlets*, 2, 122-138.
- 2012 Velikov, K., Thün, G., & Ripley, C. (2012). Thick Air. *Journal of Architectural Education (JAE), Special Issue: Beginning Design*, 6(2), 69-97.
- Thün, G., Velikov, K., O'Malley, M., & Sauvé, L. (2012). The Agency of Responsive Envelopes: Interaction, politics and interconnected systems. *International Journal of Architectural Computing (IJAC) Special Issue: Architectural Robotics*, 10 (3), 377-400.
- Thün, G., Velikov, K., Ripley, C., McGee, W., & Sauvé, L. (2012). Soundspheres: Resonant Chamber. *Leonardo: The Journal of the International Society of the Arts, Sciences and Technology*, 45 (4), 348-357.
- Ripley, C., Thün, G., & Velikov, K. (2012). Cultural and touristic infrastructures in the context of megaregions. *Spaces and Flows: An International Journal of Urban and ExtraUrban Studies*, 2 (1), 105-120.
- Ripley, C., Thün, G., & Velikov, K. (2012). The Stratus Project: Responsive interior atmospheres. *Interiors: Design | Architecture | Culture*, 3 (1-2), 43-58.
- 2009 Ripley, C., Thün, G., & Velikov, K. (2009). Matters of Concern. *Journal of Architectural Education (JAE), Special Issue: Alternative Architectures | Alternative Practice*, 62 (4), 6-14.

## EDITED CONFERENCE PROCEEDINGS

- 2016 Velikov, K., Ahlquist, S., del Campo, M., & Thün, G. (Eds.). (2016). *Posthuman Frontiers: Data, Designers, and Cognitive Machines: Proceedings of the 36th annual conference of the Association for Computer Aided Design in Architecture*. Ann Arbor, MI: ACADIA
- 2016 Velikov, K., Manninger, S., del Campo, M., Ahlquist, S., & Thün, G. (Eds.). (2016). *Posthuman Frontiers: Data, Designers, and Cognitive Machines: Project catalog of the 36th annual conference of the Association for Computer Aided Design in Architecture*. Ann Arbor, MI: ACADIA.

## NON-REFEREED JOURNAL / PERIODICAL PUBLICATIONS

- 2021 Velikov, K. interview with Doyle, S. (2021). Authorial Asymmetries: Computational Feminism, Access, and Cooperation. In Digital Knowledge Creation. *Gradient Journal Feed #2 Inflections*. <https://gradient-journal.net/articles/authorial-asymmetries>
- Newell, C., Ng, T.Y. and Velikov, K. interview with Claypool, M., Cupkova, D., and Menges, A. (2021). Material Excerpts: A Conversation. *Gradient Journal Feed #2 Inflections*. <https://gradient-journal.net/articles/material-excerpts>
- 2019 Velikov, K. (2019). Review: The City of Tomorrow: Sensors, networks, hackers, and the future of urban life. *Technology | Architecture + Design (TAD): Urbanizing*, 3(1), 123-124.
- Dwyre, C., Perry, C., Salomon, D., & K. Velikov (2019). AD Counterpoint / Ambiguous territory: Design for a World Estranged. *Architectural Design (AD) : Machine Landscapes: Architectures of the Post-Anthropocene*, 257(Jan/Feb),136-141.
- 2018 Velikov, K., & Thün, G. (2018). Concrete Politics: How the Rio Grande came to separate the U.S. and Mexico. *The Architect's Newspaper: Border Operations*, 24 (July/August), 24.
- 2014 Theodore, G., & Velikov, K. (2014) Follow the Actors! *Dimensions*, 27, 174-181.
- 2013 D'Hooghe, A. & Velikov, K. (2013). An Architecture of the Territory. *PLAT 3.0*, 16-23
- Thün, G., & Velikov, K. (2013) Resonant Chamber. *Dimensions*, 26,120-127.
- Thün, G., & Velikov, K. (2013). North House: Prototyping climate responsive envelope and control systems. *Perkins + Will Research Journal*, 05.01, 39-54.
- 2012 Thün, G., Velikov, K., & Ripley, C. (2012). Re-Centering the Periphery. *Volume: Centers Adrift*, 32, 30-37.
- 2011 Thün, G., Velikov, K., & Ripley, C. (2011) Infra- Eco-Logi-Urbanism. *MONU #15 Post Ideological Urbanism*, 15, 101-112.
- Ripley, C., & Velikov, K. (2011). A theory to stand on. *Canadian Architect*, 56(6), 28-30.
- 2010 Thün, G., & Velikov, K. (2010). North House project. *Canadian Architect*, 55 (1), 123-128.
- 2009 Thün, G. & Velikov, K. (2009). Conduit Urbanism: Regional ecologies of energy and mobility. *New Geographies 02: Landscapes of Energy*, 02, 83-96.
- 2008 Velikov, K. (2008). Office Project | Project Office. *Dimensions*, 21, 108-117.
- 2005 Velikov, K. (2005). Topographies of Knowledge and Memory: The Hypnerotomachia Poliphili and the Italian Renaissance Garden. *Contrapposto Journal*, 53-70.

## PEER-REVIEWED PUBLISHED CONFERENCE PAPERS

- 2022 Velikov, K. del Campo, M., Denit, L., Hasan, K. N., Xie, R., and Boyce, B. (2022). Design Engine: Generative Multi-Objective Performance Design Scenarios. In k. Dörfler, S. Paracho, J. Scott, B. Bogosian, B. Farahi, J. López, V. Noel (eds.). *Realignments | Papers for the ACADIA 2021 Conference* (122-133).
- 2021 Thün, G., Velikov, K. (2021). Rethinking the delivery of social infrastructure: A systems based methodology and proposition. In *Amps: The City and Complexity – Life, Design and Commerce in the Built Environment*. London, UK: AMPS Vol 19, 388-399.
- 2018 Tish, D., McGee, W., Schork, T., Thün, G., & Velikov, K. (2018). Topological design and optimization of robotic additively manufactured cable-nets. In C. Mueller, & S. Adriaenssens (eds.), *Creativity in Structural Design: Proceedings of IASS Symposium 2018* (1-8). Cambridge, MA.: IASS.

- 2017 McGee, W., Velikov, K., Thün, G., & Tish, D. (2017). Infundibuliforms: Kinetic systems, additive manufacturing for cable nets, and tensile surface control. In A. Menges, B. Sheil, R. Glynn & M. Skavara (eds.) *FABRICATE 2017: Rethinking Design and Construction*, (84-91). London: UCL Press.
- Velikov, K., & Thün, G. (2017). Material Practices for Deep and Immanent Temporality. In *Crossings between the Proximate and Remote, ACSA Fall Conference*, (311-317). Marfa, TX, USA: ACSA Press.
- 2016 Velikov, K. (2016). Topologies of Exclusion. In R. Corser & S. Haar (eds.), proceedings of *Shaping New Knowledges, ACSA 104<sup>th</sup> Annual Meeting* (244-252). Washington D.C., USA: ACSA Press.
- Velikov, K., & Thün, G. (2016). Protean Prototypes: Assembling urban platforms for appropriation. In R. Corser & S. Haar (eds.), proceedings of *Shaping New Knowledges, ACSA 104<sup>th</sup> Annual Meeting* (423-436). Washington D.C., USA: ACSA Press.
- 2015 Fougere, D., Gould, R., Velikov, K. (2015). PneumaTechnics: Methods for soft adaptive environments. In L. Coombs & C. Perry (eds.) *Computational Ecologies: Design in the Anthropocene, Proceedings of the 35<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture* (275-284). Cincinnati, OH: ACADIA.
- 2014 Velikov, K., Thün, G., & O'Malley, M. (2014). PneuSystems: Cellular pneumatic envelope assemblies. In D. Gerber, A. Huang, & J. Sanchez (eds.), *Design Agency: Proceedings of the 34<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture* (435-444). Los Angeles, LA: ACADIA.
- Velikov, K., Thün, G. & Ripley, C. (2014). Matters of Air: Atmospheric explorations in the pursuit of responsive architectures. In M. Voyatzaki (ed.), proceedings of *What's the Matter? Materiality and Materialism at the Age of Computation* (627-642). Barcelona, ES: ENHSA-EAAE International Conference.
- Thün, G., Velikov, K., & McTavish, D. (2014). The Megaregional Common: A framework for thinking megaregions, infrastructure and 'open' space". In C. Sørensen, & K. Liedtke (eds.), *Specifics: Discussing Landscape Architecture* (356-361). Berlin: Jovis Verlag
- 2013 Thün, G., & Velikov, K. (2013). Adaptation as a framework for reconsidering high performance residential design: A case study. In P. Beesley, O. Khan, & M. Stacey (eds.), *Adaptive Architecture: Proceedings of the 33<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture* (110-120). Cambridge, ON: ACADIA.
- 2012 Thün, G., Velikov, K., Sauv  , L., & McGee, W. (2012). Design Ecologies for Responsive Environments: Resonant Chamber, an acoustically performative system. In J. Cheon, S. Hardy, & T. Hemsath (eds.), *Synthetic Digital Ecologies: Proceedings of the 33<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture* (373-382). San Francisco, CA: ACADIA.
- 2011 Velikov, K., Thün, G., O'Malley, M., & Ripley, C. (2011). Toward Responsive Atmospheres: Prototype exploration through material and computational systems. In J. Taron, V. Parlac, B. Kolarevic, J. Johnson (eds.) *ACADIA 11: Integration through Computation, Proceedings of the 31<sup>st</sup> Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA)* (326-333). Stoughton, MA: ACADIA.
- Thün, G. & Velikov, K. (2011). Constructing knowledge through action research and prototype testbeds: Prioritizing making in architectural research. In P. Plowright, & B. Gamper (eds.), *Considering Research, 2011 ARCC Spring Research Conference Proceedings* (315-326). Detroit: Lawrence Technical University.
- 2010 Thün, G., Velikov, K. & Ripley, C. (2010). Territorialization of renewable energy and mobility in the Great Lakes. In *ISES RE2010 Renewable Energy 2010 Proceedings* (OP-5-4). Yokohama, JP: ISES.
- Thün, G., & Velikov, K. (2010). Mass-customized prefabricated solar residential prototypes for northern climates. In *ISES RE2010 Renewable Energy 2010 Proceedings* (O-Ps-1-3). Yokohama, JP: ISES.
- Velikov, K., Thün, G. & Barhydt, L. (2010). Responsive user control systems for developing user intelligence. In *ISES RE2010 Renewable Energy 2010 Proceedings* (O-At-5-1). Yokohama, JP: ISES.
- Velikov, K. & Thün, G. (2010). Conduit Urbanism: Opportune urban byproducts of bundled megaregional energy and mobility systems. In B. Goodwin, & J. Kinnard (eds.), proceedings of *ReBuilding, 98<sup>th</sup> ACSA Annual Meeting* (364-371). Washington D.C.: ACSA Press.
- Thün, G. & Velikov, K. (2010). Building Capacity: Design research as a lever for design education transformation. In B. Goodwin & J. Kinnard (eds.), proceedings of *ReBuilding, 98<sup>th</sup> ACSA National Conference* (102-111). Washington D.C.: ACSA Press.
- 2009 Velikov K., Bartram, L. (2009). North House: Developing intelligent building technology and user interface in energy independent domestic environments. In A. Potvin, & C. Demers (eds.) *Architecture, Energy and the*

*Occupants Perspective, PLEA (Passive and Low energy Architecture) Annual Conference Proceedings (67-72).* Montreal: Laval University Press.

Ripley, C., Thün, G., & Velikov, K. (2009). Matters of Concern: Projects and Process. In M. Gillem, P., Crisman (eds.), proceedings of *The Value of Design, 97<sup>th</sup> ACSA National Conference* (808-811). Washington D.C.: ACSA Press.

Thün, G. & Velikov, K. (2009). Latitude Housing | North House Prototype: Prefabricating Building Integrated Photovoltaic Envelopes for Energy Positive Housing Design in Northern Climates. *Solar Architecture and Urban Planning, Conference Proceedings of 4<sup>th</sup> ENERGY FORUM* (67-72). Munich, DE: EF Economic Forum.

Ripley, C., Thün, G., & Velikov, K. (2009). RVTR: Systems and Speculations. In M. Gillem, P., Crisman (eds.), proceedings of *The Value of Design: design is at the core of what we teach and practice, 97<sup>th</sup> ACSA Annual Meeting* (808-811). Washington D.C.: ACSA Press.

## TECHNICAL REPORTS

- 2022 Thün, G., Velikov, K., Boyer, B., Harp, G. (2022), Just Mobility Intersections: A Research Roadmap. *Ford Motor Company, Sponsored Research Project Report*.
- 2021 Velikov, K., N. Hasan, G. Lewis, C. Menassa, V. Kamat, M. del Campo (2021). EMERGING STRETCH CODES AND VOLUNTARY STANDARDS: Current Trends and Implications for the Glazing Industry. *Guardian Glass, Sponsored Research Project Report*.
- Velikov, K., M. del Campo, N. Hasan, C. Menassa, V. Kamat, M. (2021). INDUSTRY 4.0: Implications of Digitalization, Automation, Off-Site Fabrication, and Vertical Integration for the Design Ecologies of Glass. *Guardian Glass, Sponsored Research Project Report*.
- Velikov, K., M. del Campo, L. Denit, N. Hasan, C. Menassa, V. Kamat (2021). DESIGN SCENARIOS 2040: Multi Objective Optimization Design Frameworks. *Guardian Glass, Sponsored Research Project Report*.
- 2019 Thün, G., Velikov, K., & Kremers, A. (2019). Rethinking mobility and access through new prototypes for multimodal hubs: Detroit, Chicago, San Francisco. *Ford Motor Company, Sponsored Research Project Report*.
- 2018 Thün, G., Smith, R., Sturt, J., Wong, L., & Velikov, K. (2018). Designing innovation: InnovaCity at Hangzhou, recommendations for structure and Implementation of a smart city competition. *Wanxiang Group*
- 2016 Thün, G., Velikov, K., & Zielinski, S. (2016). ACCESS-ENABLING ARCHITECTURES: New hybrid multi-modal spatial prototypes towards resource and social sustainability. *NEXTRANS Project No. 163UMY2.2: USDOT Region V Regional University Transportation Center Final Report*.

## EXHIBITION CATALOGS

- 2008 Thün, G., Velikov, K., Ripley, C., & Shipman, E. (2008). *rvtr: Matters of Concern | Research Based Architecture and Urbanism, exhibition catalogue*. Cambridge, ON: Cambridge Galleries.

## PEER-REVIEWED CONFERENCE PRESENTATIONS

- 2023 Paper accepted at the UIA World Congress of Architects Conference in Copenhagen (forthcoming July 2023)
- 2022 Thün, G., & Velikov, K. (2022, May 18-20). M\_NEX Detroit: Engaging Circular Systems, the Food Energy Water Nexus and Urban Accessibility. at *58<sup>th</sup> International Making Cities Livable Conference: Architecture and the Edges of Public Space: Tools and Strategies for a New Urban Agenda*. Paris. FR: ICML.
- 2021 Velikov, K. del Campo, M., Denit, L., Hasan, K. N., Xie, R., and Boyce, B. (2021, Nov 3-6). Design Engine: Generative Multi-Objective Performance Design Scenarios. Presented at *In Realignment: toward critical computation, 41<sup>st</sup> ACADIA Annual Conference*. Virtual conference: ACADIA
- 2020 Velikov, K., & Rule, J. (2020, June 15-19) New Domesticities New Collectivities. Presented at *Open, 108th ACSA Annual Meeting*. Virtual Conference: ACSA.
- Thün, G. & Velikov, K. (2020, June 17-19). Rethinking the delivery of social infrastructure: A systems based methodology and proposition. Presented at *The City and Complexity – Life, Design and Commerce in the Built Environment, Amps*. London, UK (virtual conference): AMPS.
- 2018 Tish, D., McGee, W., Schork, T., Thün, G., & Velikov, K. (2018, July 16-20). Topological design and optimization of robotic additively manufactured cable-nets. Presented at *Creativity in Structural Design*. Boston, MA: IASS.



- 2017 Velikov, K., & Thün, G. (2017, October 12-14). Material Practices for Deep and Immanent Temporality. Presented at *Crossings between the Proximate and Remote, 2017 ACSA Fall Conference*. Marfa, TX: ACSA.
- McGee, W., Thün, G., Velikov, K., & Tish, D. (2017, April 6-8). Infundibuliforms: Kinetic systems, additive manufacturing for cable nets, and tensile surface control. Presented at *FABRICATE 2017*. Stuttgart, DE: Institute for Computational Design and Construction.
- 2016 Thün, G., Velikov, K., Sternburgh, K., Burke, D., & Myers, J. (2016, September 22-24). Deep Monitoring / Common Health+: Prototypes for chronic health care delivery for underserved & remote populations. Presented at *Building for Health and Well Being, 2016 ACSA / ASPPH Fall Conference*. Manoa, HI: ACSA / ASPPH.
- Velikov, K., & Thün G., (2016, March 17-19). Topologies of exclusion. Presented at *Shaping New Knowledges, 104<sup>th</sup> ACSA Annual Meeting*. Seattle, WA: ACSA.
- Velikov, K., & Thün, G. (2016, March 17-19). Protean Prototypes: Assembling urban platforms for appropriation. Presented at *Shaping New Knowledges, 104<sup>th</sup> ACSA Annual Meeting*. Seattle, WA: ACSA.
- 2015 Velikov, K., Thün, G., O'Malley, M., & Junghans, L. (2015, October 19-21). Novel Topologies, Models, and Prototypes for Multi-cellular Pneumatic Envelope Systems. Presented at *Structural Membranes, 7th Annual International conference on Textile Composites and Inflatable Structures*. Barcelona, ES: CIMNE.
- 2014 Velikov, K., Thün, G., O'Malley, M., & Junghans, M. (2014, October 28-29). PneuSystems: Prototypes for biologically inspired air-based envelope systems. Presented at *Advanced Building Skins, 9th Annual European Energy Forum*. Bressanone, IT: European Energy Forum.
- Thün, G., Velikov, K., & O'Malley, M. (2014, October 23-25). PneuSystems: Cellular pneumatic envelope assemblies. Presented at *Design Agency: 34th Annual Conference of the Association for Computer Aided Design in Architecture*. Los Angeles, CA: ACADIA.
- Velikov, K., Thün, G., & Ripley, C. Matters of Air. (2014, September 4-6). Presented at *What's the Matter? Materiality and Materialism in the Age of Computation, International Conference, COAC, ETSAB, ETSAV*. Barcelona, ES: ENHSA-EAAE
- Velikov, K., Thün, G., O'Malley, M., & Simbuerger, W. (2014, August 11-13). Nervous Ether: Soft Aggregates, Interactive Skins. Presented at *Siggraph 2014: The 41<sup>st</sup> Annual International Conference, Art Papers Session*. Vancouver, BC: Siggraph.
- 2013 Alquist, S., Newell, C., Thün, G., & Velikov, K. (2013, November 7-9). Towards a pedagogy of material systems research. Presented at *TxA Interactive Annual Convention*. Fort Worth, TX:TXA
- Thün, G., & Velikov, K. (2013, October 24-27). Adaptation as a framework for reconsidering high performance residential design: A case Study. Presented at *Adaptive Architecture: 33th Annual Conference of the Association for Computer Aided Design in Architecture*. Cambridge, ON: ACADIA.
- Thün, G., Velikov, K., & McTavish, D. (2013, September 22-25). The Megaregional Common: A framework for thinking megaregions, infrastructure and 'open' space. Presented at *Specifics, ECLAS 2013 Annual International Conference*. Hamburg, DE: European Council of Landscape Architecture Schools (ECLAS).
- 2012 Thün, G., Velikov, K., McGee, W., & Sauvé, L. (2012, October 8-21). Design ecologies for responsive environment systems: Resonant Chamber, an acoustic performative model. Presented at *Synthetic Digital Ecologies: 33th Annual Conference of the Association for Computer Aided Design in Architecture*. San Francisco, CA: ACADIA.
- Thün, G., Velikov, K., O'Malley, M., & Ripley, C. (2012, August 20-22). Latitude Housing System: A strategy for mass-customized manufacture of net-energy positive housing for the Great Lakes Megaregion. Presented at *ZEMCH 2012 Conference*. Glasgow, UK: ZEMCH
- Thün, G., Velikov, K., Ripley, C., McGee, W., & Sauve, L. (2012, August 5-9). Soundspheres: Resonant Chamber. Presented at *39<sup>th</sup> Annual International Conference, Art Papers Session*. Los Angeles, CA: Siggraph 2012.
- 2011 Ripley, C., Thün, G., & Velikov, K. (2011, November 17-19). Cultural and touristic infrastructures in the context of Megaregions. Presented at *2<sup>nd</sup> International Conference on Spaces and Flows*. Prato, IT: Monash University.
- Velikov, K., Thün, G., O'Malley, M., & Ripley, C. (2011, October 11-16). Toward Responsive Atmospheres: Prototype exploration through material and computational systems. Presented at *ACADIA 11: Integration through Computation, 31<sup>st</sup> Annual Conference of the Association for Computer Aided Design in Architecture*.

Banff, Alberta: ACADIA.

Thün, G., & Velikov, K. (2011, September 14-16). Air Design: Responsive systems and dynamic environments. Presented at *CISBAT 2011 Conference*. Lausanne, CH: CISBAT.

Thün, G., & Velikov, K. (2011, September 14-16). A distributed responsive system of skins. Presented at *CISBAT 2011 Conference*. Lausanne, CH: CISBAT.

Thün, G., & Velikov, K. (2011, April 20-24). Constructing knowledge through action research and prototype testbeds: Prioritizing making in architectural research. Presented at *2011 ARCC Spring Research Conference*, Detroit, MI: Lawrence Technological University.

Thün, G., & Velikov, K. (2011, March 25-27). The future of responsive envelope design: How user-centered solutions are transforming the design of sustainable domains. Presented at *Knowledge and Society, 7<sup>th</sup> International Conference on Technology*. Bilbao, ES: University of the Basque Country.

Thün, G., Velikov, K., & Ripley, C. (2011, March 3-5). Responsive envelopes and air design: The Stratus project. Presented at *Adaptive Architecture Conference*. London, UK: The Building Centre.

Thün, G., & Velikov, K. (2011, March 3-5). DReSS: A climate and occupant responsive residential envelope system. Presented at *Adaptive Architecture Conference*. London, UK: The Building Centre.

Ripley, C., Thün, G., & Velikov, K. (2011, March 3-6). The Experience Landscape. Poster presentation at *Where do you Stand?: 99th ACSA Annual Meeting*. Montreal, QC: ACSA.

2010 Thün, G., Velikov, K., & Ripley, C. (2010, June 27-July 2). Territorialization of Renewable Energy and Mobility in the Great Lakes Region. Presented at *ISES RE2010 Renewable Energy 2010 Conference*. Yokohama, JP: ISES

Thün, G., & Velikov, K. (2010, June 27-July 2). Mass-customized prefabricated solar residential prototypes for northern climate applications. Presented at *ISES RE2010 Renewable Energy 2010 Conference*. Yokohama, JP: ISES.

Velikov, K., Thün, G., & Barhydt, L. (2010, June 27-July 2). Responsive user control systems for developing user intelligence. Presented at *ISES RE2010 Renewable Energy 2010 Conference*. Yokohama, JP: ISES.

Velikov, K., Bartram, L., Thün, G., Barhydt, L., Rodgers, J., & Woodbury, R. (2010, May 20-22). Empowering the Inhabitant: Communications technologies, responsive interfaces and living in sustainable buildings. Presented at *Constructing Green: Sustainability and the Places We Inhabit*. Ann Arbor, MI: University of Michigan.

Thün, G. & Velikov, K. (2010, March 4-7). Building Capacity: Design research as a lever for design education transformation. Presented at *ReBuilding, 98th ACSA Annual Meeting*. New Orleans, LA: ACSA

Velikov, K., & Thün, G. (2010, March 4-7). Conduit Urbanism: Opportune urban byproducts of bundled megaregional energy and mobility systems. Presented at *ReBuilding, 98th Annual Meeting*. New Orleans, LA: ACSA.

2009 Velikov, K., & Thün, G. (2009, December 2-4). DReSS: Distributed responsive system of skins. Poster presentation at *Solar Architecture and Urban Planning, 4<sup>th</sup> Annual Energy Forum*. Bressanone, IT: European Energy Forum.

Velikov, K., & Bartram, L. (2009, June 22-24). North House: Developing intelligent building technology and user interface in energy independent domestic environments. Presented at *PLEA (Passive and Low energy Architecture) Annual Conference: Architecture, Energy and the Occupants Perspective*. PQ: Laval University.

Velikov, K., Ripley, C., & Thün, G. (2007, March 26-28). RVTR: Systems and Speculations. Presented at *Faculty Design Presentations, 97th ACSA Annual Meeting*. Portland, OR: ACSA.

2008 Thün, G., Velikov, K. (2008, June 28-30). North House: Contemporary critical regionalism and the emerging north. Presented at *35<sup>th</sup> Conference of the Society for the Study of Architecture in Canada (SSAC)*. Yellowknife, NWT: SSAC.

Thün, G., & Velikov, K. (2008, June 20-22). Complex collaboration as a lever for design research innovation. Presented at *Deep Matters, 2008 AIA/ACSA Teacher's Seminar*. Bloomfield Hills, MI: ACSA.

Thün, G., & Velikov, K. (2008, May 8). RVTR: Matters of Concern / recent work. Presented at *Young Architect's Forum*. NYC, NY: Architecture League of New York.

Ripley, C., Thün, G., & Velikov, K. (2008, March 27-30). Buoyant Aquacology. Poster presentation at *Seeking the City: Visionaries on the Margins, 96th ACSA Annual Meeting*. Houston, TX: ACSA.

- Velikov, K. (2008, March 27-30). Office Project | Project Office. Poster presentation at *Seeking the City: Visionaries on the Margins, ACSA 96th National Conference*. Houston, TX: ACSA.
- 2005 Velikov, K. (2005, December 3). Material Identity: Resonances of *Quattro Cento* Italy and modern Britain in the artwriting of Adrian Stokes. Presented at *Mind the Gap: British Artwriting and National Identity 1700-2000*. Toronto, ON: University of Toronto.
- Velikov, K.(2005, May 10-12). Topographies of Knowledge and Memory: The Hypnerotomachia Poliphili and the Italian renaissance garden. Presented at *Architecture and Literature, the Narration of Space in the French and Italian Traditions*. Palo Alto, CA: Stanford University.

## INVITED LECTURES: LECTURE SERIES and KEYNOTES

- 2022 “From Matter to Territory.” Public lecture, Syracuse University Lecture Series (2022, November 14)
- 2021 “From Matter to Territory.” Public lecture (online), University of Colorado Denver Lecture Series (2021, February 24)
- 2020 “From Matter to Territory.” Keynote lecture, *Divergence in Architectural Research Symposium*. Atlanta, GA: Georgia Tech School of Architecture. (2020, March 6)
- “Envelope[s]: Mediating Environments.” Public lecture, Princeton University School of Architecture, *TECHNO: Spring 2020 Lectures and Events Series*. Princeton, NJ: [video link](#) (2020, March 2)
- “Prototypes to Territories.” Public lecture, Carnegie Mellon University School of Architecture Lecture Series. Pittsburgh, PA: Carnegie Mellon University. (2020, February 5)
- 2019 “Re-scripting Design Ecologies.” Public lecture, Jefferson University College of Architecture and the Built Environment, Philadelphia, PA:. (2019, September 30)
- “Territories | Technologies.” Public lecture, Syracuse University NYC Campus Summer School. Syracuse, NY: Syracuse University. (2019, June 6).
- 2018 “Territorial practices.” Public lecture, KU Leuven School of Architecture Lecture Series. Leuven Belgium: KU Leuven School of Architecture. (2018, November 23)
- “Re-scripting design ecologies.” Public lecture, Bowling Green State University School of Architecture Lecture Series. Bowling Green, OH: Bowling Green State University. (2018, September 20)
- “Infra Eco Logi Urbanism.” Keynote lecture at *Polycentricity & Multi-scale Models at Transforming City Regions III: From Walled City to the Integrated City Conference*. Zeche Zollverein, Essen, DE: TU Dortmund, Fakultät Raumplan, Städtebau und Bauleitplanun. (2018, May 29).
- 2017 “Re-scripting Urban Ecologies.” Public lecture, Syracuse University School of Architecture Public Lecture Series, Syracuse, NY: . (2017, November 16)
- “Mediating Environments | Responsive Atmospheres.” Public lecture, Temple University School of Architecture Lecture Series. Philadelphia, PA. (2017, September 13).
- “Mediating Environments | Responsive Atmospheres.” Public lecture, *Fifth Annual Victor C. Mahler '54 Visiting Architects Lecture Series*. Hannover, NH: Dartmouth College. (2017, May 2)
- 2016 “EXTRACTION: Deconstructing Canada at the Venice Biennale.” Public lecture, University of Michigan Taubman College of Architecture and Urban Planning Fall Lecture Series. Ann Arbor, MI. (2016, September 16)
- 2014 “Infra Eco Logi Urbanism.” Public lecture at Ryerson University School of Architecture Lecture Series. Toronto, ON: Ryerson University [in conjunction with exhibition opening]. (2014, March 4)
- 2013 “Infra Eco Logi Urbanism(e).” Public lecture at Université du Québec à Montréal École de Design, Montréal, PQ. (2013, February 7)
- 2010 “RVTR: Recent Work.” Public lecture, Iceland Academy of the Arts (IAA) Department of Design and Architecture 2010 Visiting Lecture Series. Reykjavík, ISL. (2010, August 28)
- “RVTR: matters of concern.” Public lecture, Norwegian University of Science and Technology (NTNU) *bareKRAFTIGarkitektur Summer Lecture Series*. Trondheim, NO:. (2010, August 23)
- 2008 “RVTR: matters of concern / recent work.” Public lecture at the at the *Architecture League of New York for the Young Architects Award*. NYC, NY: Architecture League of New York. (2008, May 8).

## INVITED PRESENTATIONS and DISCUSSIONS: SYMPOSIA, CONFERENCES, WORKSHOPS

- 2023 “Design Futures,” lecture for the Chi-Epsilon Honor Society, University of Michigan CoE (March 23, 2023)  
Discussant, U-M Taubman College PhD Symposium “Phygital Networks” (March 17, 2023)
- 2022 Symposium presentation “Biomass Pasts, Lignin Futures” at the Regional Globalism in the Tennessee Valley Part II Symposium, Knoxville, TN (Nov 3 2022)  
  
Session Chair, “Critical Analysis of Architectural Design and Production,” ACADIA 2022 Conference, Philadelphia, PA (Oct 29, 2022)  
  
Panelist, “Research vs Practice” U-M Taubman College PhD symposium discussion (April 11 2022)  
  
Symposium participant, Regional Globalism in the Tennessee Valley Part I, Knoxville, TN (April 1 2022)
- 2021 Panelist/Discussant, World CAAD PhD Workshop 2021 (online). Organized by SiGraDi/eCAADe/ACADIA/CASDRIA/ASCAAD (Dec 7, 2021)  
  
Lecture Interviewer/Discussant, “Material Responsibility” lecture with Mollie Claypool, Dana Cupkova, and Achim Menges. Online: U-M Taubman College (September 21, 2021)  
  
“Visualizing Territory.” Guest lecture (online) for the *Borders and Territories Studio* at TU Delft, invited by N. Bensi and S. Milani. (2021, September 16)  
  
Panelist, “What’s Happening in the B+C Market” panel discussion at the AEC (Aluminum Extruders Council) Annual Meeting. Online (September 15, 2021)
- 2020 Panelist/Discussant, World CAAD PhD Workshop 2022 (online). Organized by SiGraDi/eCAADe/ACADIA/CASDRIA/ASCAAD (Dec 7-9, 2020)  
  
A Conversation on Speculation and Critique. Closing panel moderator at *Distributed Proximities: 40th Annual Conference of the Association for Computer Aided Design in Architecture*. Online: ACADIA. [Panelists: H. D. Alonso, W. Dubbeldam, N. de Moncheaux, M. W. Steenson, & A. Yaneva] (2020, September).  
  
Integrated studio guest lecture at *[EXT]:Re Climate Change and Design*. Tucson, AZ: School of Architecture, University of Arizona. (2020, September 23)  
  
Polemical performative practice. Session Chair at *FABRICATE 2020: Making Resilient Architecture*. Online: FABRICATE. (2020, September 12)  
  
Panelist at *On the Nature of Enclosure*. Online: organized by Jeffrey Nesbitt [Panelists: E. Kripa, S. Mueller, & N. Bhatia] (2020, September 9).  
  
Computation. Panelist at *IAAC GSS Debates*. Online: IAAC Global Summer School (GSS), & Master in Robotics and Advanced Construction. [Panelists: A. Sollazzo, P. Morel, M. Carpo, & A. Erioli]. (2020, July 8)  
  
“Trading Borders.” Invited presentation at *ACSA / ASINEA Border Consortium Workshop: For Actionable Practice and Spatial Research*. Online: ACSA/ASINEA. [\[video link\]](#) (2020, June 12)  
  
Operating through temporalities of territory and social infrastructure. Invited presentation at *Emerging Urbanisms in De-Industrializing Urban Regions Symposium*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. (2020, February 21)
- 2019 Closing Panel Moderator at *Ubiquity and Autonomy: 39th Annual Conference of the Association for Computer Aided Design in Architecture*. Austin, TX: ACADIA [Panelists: M. Addington, M. Gow, I. Bogost, N. Leach]. (2019, October 24-26)  
  
“Communicating Bodies.” Invited symposium presentation at *Living a Digital Life: Objects Environments, Power/*. Ann Arbor, MI: The Michigan Meetings, University of Michigan. (2019, May 9).  
  
“Latitudo Borealis.” Presented at *Technology | Architecture + Design Panel, ACSA 107th Annual Meeting | BLACK BOX: Articulating Architecture’s Core in the Post-Digital Era*. Pittsburgh, PA: ACSA. (2019, March 29).
- 2018 Embodying Information. Presented at *Phyllis Lambert International Seminar, Architecture in Light of the Notions of Form and Information*. Montreal, QC: University of Montreal. (2018, November 9)  
  
Projects. Session chair at *Re:calibration: 38th Annual Conference of the Association for Computer Aided Design in Architecture*. Mexico City, MX: ACADIA. (2020, October 18-20)  
  
Panelist at *Ambiguous Territory Symposium*. Charlottesville, VA: University of Virginia School of Architecture, University of Virginia. (2018, October 1)

- 2017 Instrument-*alized* Design Knowledge. Presented at *Mellon Digital Humanities Symposium*. Philadelphia, PA: University of Pennsylvania. (2017, December 4).
- Representation and perception. Session chair at *ACADIA 2017 Disciplines Disruption*, session. Boston, MA: ACADIA. (2017, November 2-4).
- Panelist at *Aerial Futures Think-Tank*. Chicago, IL: (2017, September 16).
- Re-scripting urban ecologies. Presented at *GSAPP: 4<sup>th</sup> Year Architecture Studio*. New York City, NY: Graduate School of Architecture, Planning and Preservation, Columbia University. (2017, February 15)
- Detroit Think Grid. Presented at *An Afternoon with Cedric Price*. Montreal, QC: Canadian Center for Architecture. [\[video link\]](#) (2017, February 9).
- The logistical city is [going] live. Presented at *Logistical City Workshop*. Chicago, IL: University of Illinois at Chicago. (2017, February 7).
- 2016 Mediating the Inaccessible. Presented at *Realities and Realms Conference*. Boston, MA: Graduate School of Design, Harvard University. [\[video link\]](#) (2016, November 17).
- Territorial Infrastructures: Recognizing politico-environmental ecologies. Workshop Organizer / Moderator / Presenter at *LafargeHolcim Foundation 5th International Forum 2016 – Infrastructure Space*. Detroit, MI: Wayne State University. (2016, April 7-9).
- On smart environments: Special focus session. Panelist at the *Shaping New Knowledges. Seattle, 104th ACSA National Conference*, WA: ACSA. (2016, March 17-19).
- Design strategies: Situated creative machines. Session chair at *ACSA 2016 International Conference: Cross Americas, Probing Disglobal Networks*, session. Santiago, CH: ACSA. (2016, June 29- July 1)
- 2015 Infra Eco Logi Urbanism: Regional systems, complex synergies. Gallery talk at *Ewing Gallery of Art and Architecture*. Knoxville, TN: College of Architecture and Design, University of Tennessee. [In conjunction with exhibition opening] (2015, October 5).
- Are We Still Learning From...? Session chair at *ACSA 103rd National Conference: The Expanding Periphery and Migrating Center*. Toronto, ON.:ACSA. (2015, March 19-21)
- 2013 Materials: Integrating new materials into design landscape systems. Panelist at the *Association of Landscape Architects Annual Conference*. Boston, MA: Association of Landscape Architects. [Discussion Panel led by L. Margolis, with A. Dyan & B. Faircloth]. (2013, November 18)
- Archi-salon. Panelist at the *Art Institute of Chicago*. Chicago, IL: Art Institute of Chicago. (Discussion panel led by C. Lyster). (2013, February 2)
- 2012 The Stratus Project. Presented at *ACSA 100th National Conference: Faculty Design Award Presentations*. Boston, MA: ACSA. (2012, March 1-3)
- User Behavior and Control. Session chair at *ZEMCH International Conference*, Glasgow, UK: ZEMCH. (2012, August 20-22)
- 2011 Architecture's responsive extensions. Session chair at *ACSA 99th National Conference: "Where Do You Stand?"* Montreal, QC: ACSA. (2011, March 3-6)
- 2010 High performance buildings: IDP and impact. Invited Presentation and Integrated Design Process Workshop to the *Canadian National Capital Commission*. Ottawa, ON: Canadian National Capital Commission. (2010, May 18)
- The nature of technology. Session moderator at *Future of Technology Conference*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. (2010, September 24-25)
- 2009 The Post-Carbon Highway. Presented at *Department of Civil Engineering*. Toronto, ON: Department of Civil Engineering, University of Toronto. (2009, January 30)
- Occupants. Session moderator at *Passive and Low energy Architecture Annual Conference*. Quebec City, PQ: PLEA, Laval University. (2009, June 22)
- 2006 On process and practice: Works. Presented at *Faculty of Architecture, Landscape & Design*. Toronto, On: Faculty of Architecture, Landscape & Design, University of Toronto. (2006, November 11)

- 2006 On framing. Presented at Taubman College of Architecture and Urban Planning. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. (2006, March 17)

## PUBLICATIONS, CITATIONS, REVIEWS OF RESEARCH, PROFESSIONAL + TEACHING WORK (SELECTED)

- 2022 Betsky, A (2022). "The Ambitions of Ambiguity," ARCHITECT magazine (online), November 1 2022. [https://www.architectmagazine.com/design/the-ambitions-of-ambiguity\\_o](https://www.architectmagazine.com/design/the-ambitions-of-ambiguity_o) [book review of Ambiguous Territory]
- 2021 Samuels, L (2021). *Infrastructural Optimism*. London: Routledge Taylor & Francis [discussion and reprint of images from Conduit Urbanism project]
- Gradient Journal Studio Paper: Arch 562 Propositions Fluid Boundaries* (Velikov) <https://gradient-journal.net/papers>
- Gradient Journal Studio Paper: Arch 672 Systems New Domesticities New Collectivities* (Velikov + Rule) <https://gradient-journal.net/papers>
- 2020 Desmini, J. (2020, March 27). Review: Ilka Ruby and Andreas Ruby (eds) *Infrastructure Space*. JAE Online. Retrieved from <http://www.jaeonline.org/articles/review/infrastructure-space/>. [Includes review of Territorial infrastructures: Recognizing politico-environmental ecologies essay]
- Bilbao, T., & Greenberg, N. (Eds.). (2020). *Two Sides of the Border: Reimagining the Region*. Zurich: Lars Müller. [student work from 2018 MArch Propositions studio]
- 2019 Hong, S. (2019, May). Overcoming Obese-City: In Jackson, Mississippi, architects take on a citywide hunger problem. *The Architect's Newspaper*, 16. [review of Fertile Ground project / Akoaki / RVTR]
- Bernard, S. (2019, July 29) Technologies and narratives of urban archaeology at Kelsey Museum. *American Journal of Archaeology*, 123 (3), 523-529.
- 2018 Bickel, NB. (2018, June 5). Fluid Borders: U-M students explore international waters, interconnected lives on Mexican border. *Arts & Culture University of Michigan*. Retrieved from <https://arts.umich.edu/news-features/fluid-borders-u-m-students-explore-transnational-waters-interconnected-lives-on-mexican-border/>
- (2018, May 29). Fronteras Fluidas: Estudiantes de U-M exploran aguas transnacionales, vidas interconectadas en la región de El Paso-Juárez. *Espanol University of Michigan*. Retrieved from <https://espanol.umich.edu/noticias/2018/05/29/fronteras-fluidas-estudiantes-de-u-m-exploran-aguas-transnacionales-vidas-interconectadas-en-la-region-de-el-paso-juarez/>
- 2017 Messiner, M. (2017, Nov 15) Over 40 practices imagine the post-human, post-natural world. *Architects Newspaper*. Retrieved from <https://archpaper.com/2017/11/ambiguous-territory-exhibition/#gallery-0-slide-0>
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## SELECTED CITATIONS OF RESEARCH AND CREATIVE PRACTICE (Velikov/ RVTR)

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- 2016 Barozzia, M., Lienhard, J., Zanellic, A., & Monticellic, C. (2016). The sustainability of adaptive envelopes: Developments of kinetic architecture. *TENSINET – COST TU1303 International Symposium 2016: Procedia Engineering*, 155, 275-284. [Citation of Responsive envelopes]
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- 2015 De Waal, R.M., Stremke, S., Van Hoorn, A., Duchhart, I., Van Den Brink, A. (2015). Incorporating Renewable Energy Science in Regional Landscape Design: Results from a Competition in the Netherlands. *Sustainability*, 7(5), 4806-4828. [citation of Conduit Urbanism (2012)]
- 2011 Stremke, S., & Koh, J. (2011). Integration of Ecological and Thermodynamic Concepts in the Design of Sustainable Energy Landscapes. *Landscape Journal: design, planning, and management of the land*, 30 (2), 2011, 194-213. [citation of Conduit Urbanism (2009)]
- 2010 Bartram, L., Rodgers, J., & Muise, K. (2010). Chasing the Megawatt: Visualization for Sustainable Living. *IEEE Computer Graphics and Applications*, 30 (3), 6-12. [citation: ALIS system design: North House Project]

## CURATED EXHIBITIONS

- 2022 **ON AIR: Faculty Work 2020-2022**  
Taubman College Liberty Annex Gallery, University of Michigan, MI [March 25 – Sept 16 2022]  
<https://taubmancollege.umich.edu/events/2022/03/25/on-air-faculty-work-2020-2022>
- 2017-2019 **Ambiguous Territory: Architecture, Landscape and the Postnatural**  
Locations: Ithaca College, Handwerker Gallery, NY (Aug 28 – Dec 15 2019)  
Pratt Manhattan Gallery, NY [Dec 6 2018 – Feb 15 2019]  
University of Virginia Elmaleh Gallery, VA [Sept 10 – Oct 5 2018]  
Taubman College Gallery, University of Michigan, MI [Sept 27 – Oct 18 2017]  
<https://taubmancollege.umich.edu/research/ambiguous-territory>  
[Travelling exhibition; designed and curated in collaboration with C. Perry, C. Dwyre, D. Salomon]
- 2018-2019 **Urban Biographies, Ancient and Modern**  
Location: Kelsey Museum, University of Michigan, MI [Aug 24 2018 – Jan 6 2019]  
<http://exhibitions.kelsey.lsa.umich.edu/urban-biographies/>  
[Co-curator with C. Ratté, N. Terrenato, L. Nevitt]
- 2013-2015 **infra-eco-logi-urbanism**  
Locations: Centre de Design de l'UQAM, Montreal PQ (Feb 6 – Apr 15 2013)  
Paul Crocker Gallery, Ryerson University, Toronto (Feb 17 – Apr 17 2014)  
Paul Rudolph Hall Gallery, Yale University New Haven CT (Aug 25 – Nov 21 2014)  
LRA Gallery, University of Michigan, MI (Jan 22 – Feb 22 2015)  
Ewing Gallery, University of Tennessee, Knoxville, TN [Oct 5 – Nov 1 2015]  
[Travelling solo exhibition; designed and curated by RVTR]

## INVITED EXHIBITIONS

- 2022 **"Agri-Commune"** at the **Tallinn Architecture Biennale 2022 Future Food Deal**  
Location: Tallinn, Estonia (Sept 7 – Oct 31, 2022)  
[Curators: L. Kallipoliti and A. Marcopoulou.; group exhibition]
- 2019 **Mapped, Mapping the Egalitarian Metropolis: Spaces of Hope**  
Location: Michigan Research Studio, Detroit, MI (May 15 – Jun 15, 2019)

- [Curator: R. Fishman.; group exhibition]
- 2018 ***Two Sides of the Border: Reimagining the Mexico-US Region***  
 Location: Yale University Gallery, New Haven, CT [Nov 29 2018 – Feb 9 2019]  
 Aedes Architecture Forum, Berlin, DE (Mar 15 – Apr 25 2019)  
 Rubin Center, El Paso, TX (Nov 9 – Dec 9 2019)  
 [Curator: T. Bilbao; invited contribution of student design work for exhibition and publication]
- 2016 ***EXTRACTION, Canadian Pavilion at the 2016 Venice Architecture Biennale: Reporting from the front***  
 Location: Giardini, Venice, IT (May 26 – Nov 28 2016)  
 [Curator: P. Belanger, RVTR in collaboration with OPSYS, N.M. Lister et al.]  
***Infundibuliforms, ACADIA 2016 Posthuman Frontiers Exhibition and Research Through Making VII***  
 Location: Liberty Research Annex Gallery, Ann Arbor, MI (Oct 15 – 30 2016)  
 (Group exhibition)  
***Infundibuliforms, Research Through Making VII***  
 Location: Liberty Research Annex Gallery, Ann Arbor, MI (Mar 10 - Apr 15 2016)  
 (Group exhibition)
- 2014 ***Protean prototypes, Research on the City III***  
 Location: Liberty Research Annex Gallery, Ann Arbor, MI (Oct 10 – Nov 16 2014)  
 (Group exhibition)  
***Pneusystems, Research Through Making V***  
 Location: Liberty Research Annex Gallery, Ann Arbor, MI (Mar 8 - Apr 20 2014)  
 (Group exhibition)
- 2012 ***Conduit Urbanism, Future City Lab: Future In Progress: Please Do Not Disturb***  
 Location: Architekturforum Aedes, Aedes Pfefferberg, Berlin, DE (May 23-Jun 10 2012)  
 [Group exhibition and interview with RVTR discussing critical issues facing the development of megaregions in 2050]  
***Resonant Chamber, Research Through Making III***  
 Location: Taubman College of Architecture and Urban Planning Gallery, Ann Arbor, MI  
 (Jan 20 - Apr 7 2012) [Group exhibition]
- 2011 ***The Stratus project, Research Through Making II***  
 Location: Taubman College of Architecture and Urban Planning Gallery, Ann Arbor, MI  
 (Jan 10-Feb 11 2011) [Group exhibition]
- 2010 ***Penser Tout Haut Faire L'Architecture / The Force is in the Mind***  
 Locations: Centre de Design de l'UQAM, Montreal, PQ (Feb 12-Apr 11 2010)  
 Dalhousie University, Exhibition Center, Halifax, NS (Jan 10-28 2011)  
 Haus der Architektur, Graz, Austria (Apr 8 - May 22, 2011)  
 [Curator: E. Krasny, exhibit design: L.C.Lasnier, group show featuring work of RVTR]
- 2009 ***Buoyant Aquacology, HYDROCity***  
 Location: Toronto Free Gallery, Toronto, ON (Nov 5 – Dec 18 2009)  
 [Curator: M. White, G.Jafari et al., group exhibition]  
***Office Project | Project Office, Convenience Gallery***  
 Location: Convenience Gallery, Toronto, ON (Jul 22-Aug 20 2009)  
 [Solo installation by K. Velikov]
- 2008 ***Post carbon highway, RIG: Designs from the Fuel Transition***  
 Location: Toronto Free Gallery, Toronto, ON (Nov 27 2008 - Jan 3 2009)  
 [Curator: C. Hardwicke & J. Knechtel, group show]  
***rvtr: matters of concern, Cambridge Galleries***  
 Location: Cambridge Galleries at Riverside, Cambridge ON (Oct 28 2008 - Jan 4 2009)  
 [Solo exhibition of the work of RVTR, funded in part by the Canada Council and Ontario Arts Council]
- 2007 ***Office Project | Project Office, Plastic Architecture : Taubman College Fellowship Projects Installation***  
 Location: Taubman College of Architecture and Urban Planning, Ann Arbor, MI

(Mar 23 – Apr 20 2007) [Group exhibition featuring K. Velikov's project]

- 2006 **Closing the loop, 0 Latitude Sustainable Urbanism and Architecture**  
XV BAQ Quito Pan-American Architecture Biennale  
Location: Colegio de Arquitectos del Ecuador, Pichincha, EC (Nov. 2006)  
[Group exhibition]
- 2005 **Jalisco State Library Competition**  
Location: Universidad Nacional Autonoma de Mexico (UNAM) Architecture Gallery,  
Guadalajara, MX (Jun-Jul 2005)  
[Group exhibition selected competition entries, including Velikov+Thün Building Studio]
- 2000 **Cinematheque at the baths of Caracalla, ROMA XX: The Lesson of Rome**  
Location: Galleria, Toronto, ON (Jun 2000)  
[Group exhibition featuring project by K. Velikov]
- 1997 **Bridging, A Place for Architecture: 1997 RAIC Competition**  
Location: Canadian Centre for Architecture (CCA), Montreal, QC (Jul 16-Aug 16, 1997)  
[Group exhibition , Velikov+Thün Building Studio]
- Grounding**  
Location: Good Farm, Kitchener, ON (May 1997)  
[Public site installation, G.Thün, K. Velikov, & A. Gill]

## REFEREED EXHIBITIONS OF CREATIVE / RESEARCH / PROFESSIONAL WORK

- 2015 **Jack Layton Ferry Terminal Competition, Toronto.**  
Location: Toronto City Hall, Toronto, ON (March 15-21 2015)  
[Public exhibition of selected finalist schemes, RVTR in collaboration with C. Blanchet, B.I. Roig, ARUP et al.)
- 2010 **North house, Architecture of Necessity**  
Location: Virserum Konsthall, SE (May 9 –Sep 19 2010)  
[Juried International exhibition of sustainable design projects]
- 2009 **Twenty + Change 02**  
Location: Gladstone Hotel, Toronto, ON (Jun 3 – Aug 23 2009)  
[Juried selection of Canadian Architectural Work, featuring works by RVTR]
- 2008 **Young Architect's Forum 2008: RESONANCE**  
Location: Architectural League of New York, 457 Madison Avenue, NYC (May 8 - July 28 2008)  
[Exhibition of works by Velikov + Thün / RVTR]
- 2007 **Bridging strata, Maps of the City**  
Locations: Architectural College at Abasco, Monterrey, and UNAM (Feb 2008)  
[Curator: Publishers of *Arquine* MX. Group exhibition]
- 2000 **Bridging II, TSA Waterfront Ideas Exhibition**  
Location: Harbourfront Centre, Toronto, ON (Jan-Feb 2000)  
[Group Exhibition, Velikov+Thün Building Studio]

## CONFERENCES + SYMPOSIA ORGANIZED

- 2023 **[Data Justice, AI, and Design Colloquium](#)**  
University of Michigan Taubman College, Ann Arbor, MI: February 9, 2023  
*Co-organized with Matias del Campo and Ming Ju. Co-sponsored by MIDAS and ESC.*  
Invited Speakers: M. Akiyama (UofT), S. Doyle (ISU), S. Fox (CMU), C. Griffiths (U-M), M. Liu (U-M), J. Sanchez (U-M), M. Steenson (U-M), L. Wulfman (U-M)
- 2017 **Ambiguous Territory Symposium**  
Taubman College of Architecture and Urban Planning. Ann Arbor, MI: October 5-6, 2017  
*Co-Organized with C. Dwyre, C. Perry, & D.Salomon*  
Keynote Speakers: L. Young, SCI-Arc; D. Gissen, Parsons School of Design  
Invited Speakers: E. Abrons, U-M; B. Cantrell, UVA; L. French, SAIC; R. Ghosn, MIT; C.Hight, Rice; E. H. Jazairy, U-M; L. Kallipoliti, RPI; S. Lally, UIC; M. Lindquist, U-M; M. Miller, U-M; R.de Ostos, AA and UCL; J. Peebles, USU; A. Ponte, UdeM.

- 2016 **ACADIA//2016 Posthuman Frontiers: Data, Designers, and Cognitive Machines.**  
 36<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture. Ann Arbor, MI  
 October 24-26, 2016: Computational Design and Digital Fabrication Workshops  
 October 27-29, 2016: Main Conference  
*Co-Organized with G. Thün (Site Chair), S. Ahlquist, & M. del Campo (Technical Co-Chairs), S. Manninger (Exhibition Chair), W. McGee, C. Newell (Workshop Co-Chairs)*  
 Keynote Speakers: P. Beasley, UW & I. Van Herpen (Michigan Theatre), E. Diller, PU and Diller Scofidio Renfrew (Power Center), J. Meejin Yoon, MIT and Höweler + Yoon Architecture LLP (Michigan Union), T. Spyropoulos, AA and Minimaforms, (Michigan Union), M. Carpo, UCL (Michigan Union).
- 2016 **LafargeHolcim Foundation 5th International Forum 2016 – Infrastructure Space**  
 Wayne State University, Detroit, MI: April 7-9, 2016  
 “Territorial Scale” Mobile Workshop and Forum Sessions  
*Co-Organized and Moderated with G. Thün*  
 Invited Participants, Speakers and Authors: B. Cantrell, Harvard GSD; D. da Cunha, Penn Design, M. Dear, Berkeley; R. Ghosn, MIT; J. Holzman, U. Tennessee; El Hadi Jaizary U. Michigan; Anuradha Mathur, Penn Design; M. Mazereeuw, MIT; S. Stremke, WUR; Mobile Workshop: D. Pitera, Detroit Mercy and DCDC; D. Van Buren, Zachary Assoc.

## RESEARCH FUNDING

### EXTERNAL FUNDING

- Funding Agency: **NSF Engines: Type-2: NSF Innovation Engine**  
 Project Title: **Next-Generation Factory-Built Housing (NextHouse)**  
 Amount Requested: **\$100,730 [plus up to \$160M NSF funding over 10 years]**  
 Project Start Date: Sept 2023  
 [A. Adel PI, U-M Investigators: W. McGee, K. Velikov, P. von Buelow, N. Fazeli, B. Love; Partners: Perdue (lead), MSU, Ivy Tech CC, Lansing CC, NREL]  
*submission under review*
- Funding Agency: **University of Tennessee Knoxville**  
 Project Title: *Regional Globalism in the Tennessee Valley: Design Research Stipend*  
 Amount Granted: \$ 5,000  
 Project Start and End Date: June 2022 – December 2023  
 [G. Thün, PI, K. Velikov, E. Kripa, S. Meuller CoPIs]
- Funding Agency: **Ford Motor Company (University Research Alliance Program)**  
 Project Title: **Responsive Streets: Curb Management and Urban Design Prototypes**  
 Amount Received: **\$191,253**  
 Project Start and End Dates: Feb 2019 – March 2022  
 [G. Thün PI, K. Velikov Co-PIs. Ford PI: J. Coleman]
- Funding Agency: **Guardian Industries (University Research Alliance Program)**  
 Project Title: **Design Ecologies of Glass**  
 Amount Received: **\$234,000**  
 Project Start and End Dates: May 2019 – Jan 2021  
 [K. Velikov, M. del Campo, PIs; G. Keolian, G. Lewis., V. Kamaat, C. Menassa collaborators; Guardian PIs: B. Boyce, B. Schulz]
- Funding Agency: **City of Jackson Mississippi / Bloomberg Philanthropies Public Art Challenge**  
 Project Title: **Fertile Ground: Farish Street Landing RVTR Project**  
 Amount Received: **\$60,000**  
 Project Start and End Dates: Apr 2019 – Sept 2022  
 [G. Thün, K. Velikov co-PI]
- Funding Agency: **Belmont Forum SUGI FWE (Food, Water, Energy Nexus Program)**  
 Project Title: **M\_NEX: The Moveable Nexus: Design-led urban food, water and energy management innovation in new boundary conditions of change**  
 Amount Received: € 1,700,000 / **US Funding via NSF to U-M \$250,000** (U-M Cost Share \$ 50,000)  
 Project Start and End Dates: 2018 - 2022

U-M Team: [G. Thün, Ming Xu (SEAS) Pls]

U-M Senior Personnel: [M. Arquero, L. Hoey, M. Norman, A. Sirota, K. Velikov, N. Love, G Daigger.]

International Pls: [W. Yan, KEIO University, Japan, A. Dobbels TU Delft, NL, G. Keefe, Queens U, Belfast UK, A. Griching Solder, Kas Oosterhuis Qatar U, Doha, Qatar, R. Roggema, UTS, Sydney, AU]

Funding Agency: **Williamson Williamson**

Project Title: **800 Lasalle Park. Rd. Burlington ON**

Amount Received: **\$110,602**

Project Start and End Dates: Jan 2019 – Feb 2020

[G. Thün, K. Velikov Pls]

Funding Agency: **A. W. Mellon Foundation Michigan-Mellon Project**

Project Title: Mapping the Egalitarian Metropolis Subgrant: *MappeD*

Amount Received: **\$ 15,840**

Project Start and End Dates: Dec 2018 – Jun 2019

[G. Thün, K. Velikov Co-Pls]

Funding Agency: **Ford Motor Company (University Research Alliance Program)**

Project Title: **Multi-Modal Design Prototypes and Platform Development to Accelerate New Mobility-enabled Access and Enterprise: Detroit, Chicago and San Francisco**

Amount Received: **\$475,611**

Project Start and End Dates: Feb 2016 – Dec 2018

[G. Thün PI, K. Velikov CoPI. Ford PI: J. Coleman, Advisor: S. Zielinski]

Funding Agency: **US Department of Transportation / Nexttrans Region V Center**

Project Title: **ACCESS-ENABLING ARCHITECTURES: Developing New Hybrid Intermodal Building Typologies Towards Environmental and Social Sustainability**

Amount Received: **\$78,680**

Project Start and End Dates: March 2015 – Dec 2016

[G. Thün, PI, K Velikov, S. Zielinski CoPIs]

Funding Agency: **The Board Knowledge Committee and College of Fellows of the American Institute of Architects (AIA): 2013 Upjohn Research Initiative Grant**

Project Title: **Responsive Pneumatics: Prototypes for Biologically Inspired Envelope Systems**

Amount Received: **\$23,000**

Project Start and End Dates: Dec 2013 - May 2015

(K. Velikov, G. Thün, Pls]

Funding Agency: **Canadian Centre for Architecture (Study Centre: CCA Collection Support Grant)**

Project Title: **Cedric Price's Detroit Think Grid**

Amount Received: **\$1,000**

Project Start & End Dates: May 2013 – May 2013

(K. Velikov, PI]

Funding Agency: **Social Sciences and Humanities Council of Canada (SSHRC) Research/Creation Grant in Fine Arts | Strategic Research Grant**

Project Title: **The Stratus Project**

Amount Received: **\$186,000**

Project Start & End Dates: May 2011 – April 2014

[C. Ripley PI / G. Thün & K. Velikov, Co-PI's]

Funding Agency: **Guardian Industries**

Project Title: **The Benefits of Glass**

Amount Received: **\$9,630**

Project Start and End Dates: Oct 2010 – Dec 2011

[K. Velikov PI / J Wineman, G. Thün Collaborators]

Funding Agency: **Social Sciences and Humanities Council of Canada (SSHRC) Research/Creation Grant in Fine Arts | Strategic Research Grant**

Project Title: **Post Carbon Highway**

Amount Received: **\$146,140**

Project Start & End Dates: May 2009 – Dec 2012

[G. Thün, K. Velikov, C. Ripley PI's]

Funding Agency: **Canada Council for the Arts**  
Project Title: **Professional Prix de Rome in Architecture**  
Amount Received: **\$50,000**  
Project Start & End Dates: 2009-2010  
[G. Thün, K. Velikov, C. Ripley PI's]

Funding Agency: **Ontario Power Authority (OPA) Technology Development Fund**  
Project Title: **North House**  
Amount Received: **\$125,000**  
Project Start & End Dates: May 2009 – Jan 2010  
[G. Thün, K. Velikov PI's]

Funding Agency: **US Department of Energy / NREL**  
Project Title: **Solar Decathlon 2009: North House**  
Amount Received: **\$100,000**  
Project Start & End Dates: Jan 2008 – Oct 2010  
[G. Thün PI, K. Velikov, P. Beesley CoPI's]

Funding Agency: **Canada Council for the Arts**  
Project Title: **Assistance to Practitioners in Architecture Grant**  
Amount Received: **\$5,000**  
Project Start & End Dates: 2008 – 2009  
[C. Ripley, G. Thün, K. Velikov PIs]

Funding Agency: **Ontario Arts Council**  
Project Title: **Exhibition Support Grant**  
Amount Received: **\$1,500**  
Project Start & End Dates: 2008 – 2009  
[C. Ripley, G. Thün, K. Velikov PIs]

## **INTERNAL FUNDING (UofM, Velikov PI or Co-PI)**

Funding Source: **Graham Institute for Sustainability Catalyst Grants**  
Project Title: **Sustainable Site Preservation and Management Planning for the Notion Archaeological Site**  
Amount Requested: **\$20,000**  
Project Start Date: May 2023  
[C. Ratté lead PI, K. Velikov collaborator]  
*submission under review*

Funding Source: **VPR-RAD Catalyst Grants**  
Project Title: **Low Carbon Building R+D Initiative**  
Amount Received: **\$50,000**  
Project Start and End Dates: Jan 2022 – Dec 2023  
[K. Velikov lead PI, B. Currie, E. Michielsen co-PI's, T. Ng, B. Ellix, E. Filipov collaborators]

Funding Source: **Arts Initiative Pilot Grants**  
Project Title: **Envisioning Real Utopias**  
Amount Received: **\$16,400**  
Project Start and End Dates: Sept 2020 – June 2022  
[F. Pfeffer, K. Velikov PI's]

Funding Source: **MCubed: Academic Innovation Diamond Cube**  
Project Title: **Redesigning The Graduate Student Experience**  
Amount Received: **\$60,000**  
Project Start and End Dates: Sept 2019 – Dec 2020  
[F. Pfeffer, K. Velikov, Felichism Kabo, PI's]

Funding Source: **Taubman College Prototyping Tomorrow Grant**  
Project Title: **Envelopes of Fecundity**  
Amount Received: **\$19,980**

Project Start and End Dates: June 2019 – Aug 2020  
[G. Thün, K. Velikov, W. McGee, A. Peller Pl's]

Funding Source: **University of Michigan Office of Research Publication Subvention Grant**  
Project Title: **Ambiguous Territory: Architecture Landscape and the Postnatural**  
Amount Received: **\$10,000**  
Project Start and End Dates: Feb 2018 – Dec 2020  
[K. Velikov PI]

Funding Source: **Taubman College Prototyping Tomorrow Grant**  
Project Title: **Breathing Territories**  
Amount Received: **\$19,956**  
Project Start and End Dates: June 2018 – Aug 2019  
[K. Velikov, G. Thün Pls, Collaborators E. Kripa, S. Mueller]

Funding Source: **Taubman College Research Through Planning Grant**  
Project Title: **Scenario Planning Through Integration of Site, Landscape and Cultural Heritage**  
Amount Received: **\$5,000**  
Project Start and End Dates: May 8 2017 – March 4 2018  
[K. Velikov, C. Ratté Pls]

Funding Source: **University of Michigan Office of Research Artistic Productions Grant**  
Project Title: **Design and Postnaturalism: Architectures and Landscapes of Mediation Exhibition**  
Amount Received: **\$10,000**  
Project Start and End Dates: Feb 2017 – Nov 2017  
[K. Velikov PI]

Funding Source: **UofM MCubed Mini Cube**  
Project Title: **Archaeological applications of photo-based 3-D modeling at Notion, Turkey & Gabii, Italy**  
Amount Received: **\$15,000**  
Project Start and End Dates: Jan 2016 – Apr 2017  
[C. Ratté, N. Terrenato, K. Velikov, Pls]

Funding Source: **Urban Collaboratory**  
Project Title: **Prototype Design for New Mobility Hubs Southeast Michigan**  
Amount Received: **\$ 40,000**  
Project Start and End Dates: Nov 2017- Present  
[G. Thün, PI; K. Velikov, CO-PI]

Funding Source: **UofM Provost's Office TCLC Quick Wins**  
Project Title: **Immersive Sustainable Design for Culturally Sensitive Sites**  
Amount Received: **\$47,500**  
Project Start and End Dates: September 2015 – September 2017  
[K. Velikov, C. Ratté, Pls]

Funding Source: **Taubman College Research Through Making Grant**  
Project Title: **Infundibuliforms**  
Amount Received: **\$19,976**  
Project Start and End Dates: May 2015 – March 2016  
[. Thün, W. McGee, K Velikov, J Lynch CoPIs]

Funding Source: **University of Michigan Third Century Initiative: Global Transformation**  
Project Title: Phase 2 Project Grant: **Deep Monitoring: Chronic Disease in Underserved & Remote Populations**  
Amount Received: **\$395,000**  
Project Start and End Dates: 2015 - 2018  
[G. Thün, K. Velikov CoPIs]

Funding Source: **University of Michigan Office of Research Small Projects Grant**  
Project Title: **Access-Enabling Architectures**  
Amount Received: **\$19,900**  
Project Start and End Dates: June 2014 – June 2015  
[G. Thün, K. Velikov Pls]



Funding Source: **Taubman College Research on the City Grant**  
Project Title: **Protean Prototypes: Developing Access-Enabling Infrastructures for Chicagoland**  
Amount Received: **\$19,960**  
Project Start and End Dates: March 2014 – October 2015  
[G. Thün, K. Velikov PIs]

Funding Source: **University of Michigan Office of Research Small Projects Grant**  
Project Title: **Pneusystems: exploring biological pneu as a model for dynamically adaptive envelope systems**  
Amount Received: **\$14,964**  
Project Start and End Dates: July 2013 – June 2014  
[K. Velikov PI]

Funding Source: **University of Michigan Office of Research Special Projects Grant**  
Project Title: **Integrated Responsive Building Envelopes**  
Amount Received: **\$534,950**  
Project Start and End Dates: September 2012 – August 2014  
[G. Thün & J. Lynch PIs / Li, Velikov, Wineman, Junghans, Cotel, Peterson, Keolian CoPIs]

Funding Source: **Taubman College Research Through Making Grant**  
Project Title: **PneuSpaces**  
Amount Received: **\$19,995**  
Project Start and End Dates: May 2013 – March 2014  
[K. Velikov, G. Thün, PIs, S. Singh Baveja, Collaborator]

Funding Source: **University of Michigan Office of Research Small Projects Grant**  
Project Title: **The Pillow Case: Evaluating ETFE Facade Systems**  
Amount Received: **\$14,941**  
Project Start and End Dates: July 2012 – June 2013  
[K Velikov PI, G. Thün, L. Junghans Collaborators]

Funding Source: **University of Michigan Wireless Integrated Microsystems ERC**  
Project Title: **Strategic Seed Funding**  
Amount Received: **\$25,000**  
Project Start and End Dates: 2011 – 2012  
[G. Thün PI, J. Lynch, R Dick, L Junghans, K Velikov CoPI's]

Funding Source: **Taubman College Research Through Making Grant**  
Project Title: **Resonant Chamber**  
Amount Received: **\$19,976**  
Project Start and End Dates: Apr 2011 – Jan 2012  
[G. Thün & W. McGee PIs, K. Velikov Collaborator]

Funding Source: **University of Michigan Office of Research Small Projects Grant**  
Project Title: **The Stratus Project**  
Amount Received: **\$14,800**  
Project Start and End Dates: Sept 2010 – June 2011  
[G. Thün & K. Velikov PIs; A. Cotel Collaborator]

Funding Source: **Taubman College Research Through Making Grant**  
Project Title: **Stratus**  
Amount Received: **\$19,958**  
Project Start and End Dates: Apr 2010 – Jan 2011  
[G. Thün & K. Velikov PIs]

## PROFESSIONAL AND CREATIVE PRACTICE: PROJECTS

**2007–present RVTR Inc., Founding Partner and Director**

\* Identified projects undertaken within U-M by RVTR Group

2018-2022	<b>CommonHealth+ 2.0: Modular Chronic Health Care Facility: Deep Monitoring Project*</b> System design, contract documents and fabrication for U-M / EHI, Jamaica
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2018-2020	<b>800 Lasalle Park Dr. Burlington ON*</b> Residential project, Burlington, ON (in collaboration with WilliamsonWilliamson Architects Inc.)
2017-present	<b>Notion Archeological Excavation House Design*</b> Building and site design of institutional facilities, Ahmetbeyli, Turkey. [Client: C. Ratté]
2017-present	<b>Notion Archeological and Ecological Heritage Park Design*</b> Design development for 32 ha landscape and cultural project incorporating AR technologies at Ahmetbeyli, Turkey. [Client: C. Ratté]
2016-2017	<b>Avalon Village Modular Chronic Health Monitoring Unit, STEMLab and MicroLibrary*</b> Building and site design, Highland Park, MI. (SD Completed)
2016	<b>Post Human Frontiers: Data, Design and Cognitive Machines*</b> Exhibition design: 2016 ACADIA Conference, Ann Arbor, MI.
2015-2016	<b>EXTRACTION*</b> Project Team: Geospatial Analysis and Design Research Exhibition design: Canadian Pavilion, 2016 Venice Biennale of Architecture (in collaboration with OPSYS)
2015-2020	<b>Modular Chronic Health Care Facility Prototyping: Deep Monitoring Project*</b> System design, contract documents and fabrication for U-M / EHI, Jamaica
2015	<b>Jack Layton Ferry Terminal Competition, Toronto. Juried Finalist</b> (in collaboration with Clement Blanchet, Batlle I Roig, ARUP, Adamson Associates, STLA and SMART)
2014-2018	<b>Notion Archeological Site Management Plan and Facilities Design*</b> Design development of landscape and facilities framework plan, Turkey
2014-2015	<b>2524 Woodlawn Rd.</b> Residential renovation, Chicago IL
2014	<b>New Brutalist Image 1949–55*</b> Exhibition design, Tate Britain, UK (Nov 24 2014- Oct 4 2015) (Curators: C. Zimmerman & V. Walsh)
2013	<b>York University, School of Design</b> Facilities evaluation and transformation Study. Toronto, ON
2012-2013	<b>Infra-Eco-Logi Urbanism(e)*</b> Exhibition design and production: Montreal PQ, Toronto ON, New Haven CT, Ann Arbor, MI, Knoxville, TN.
2012-2016	<b>Lodge at Dry Pine Bay</b> Private commission, Alban, ON
2011	<b>Helsinki South Harbor Competition</b> Open international competition, Finland
2009	<b>Beruit House of Art and Culture</b> Open international competition, Lebanon
2008-2009	<b>Latitude Housing System</b> Cold climate mass customized housing strategy , Cherepovets, Russia
2008	<b>Culu Culu Masterplan,</b> Sustainable landscape masterplan and hotel grounds development, Lobos, Argentina
2008	<b>Hidden City</b> Strategic design of Public Festival Infrastructure. Philadelphia, PA (with Peregrine Arts)
2008	<b>Nexus   Park   City, Invited International Competition, First Place</b> Urban masterplan and housing, Changchun, China
2008-2010	<b>North House Prototype</b> Mass customized solar prefabricated housing system (RVTR / Team North)

2008-2009	<b>Pampas House , <i>unbuilt</i></b> Private residence, Buenos Aires, Argentina.
2007	<b>Buoyant Aquacology,</b> Venice Lagoon Competition, Open International Competition, Venice, Italy
2007	<b>Ravenous Urbanism</b> Landscape urbanism prototypes for the Toronto Ravine System, Toronto, ON
2007	<b>Coffee Town</b> Open Space Strategy and Pedestrian Bridge Design, Changchun, China
2007	<b>Bridging Strata: Plaza de las Tres Culturas (3<sup>rd</sup> Place)</b> Arquine 9 <sup>th</sup> Annual International Design Competition, Mexico City, Mexico
2006	<b>Humber River Watershed Cultural Mapping Project</b> Ecosystems, urban interface, and program mapping. Toronto and Region Conservation Authority (TRCA). Humber River, Toronto, ON
2006	<b>Closing the Loop</b> Galapagos: Zero Latitude Sustainable Architecture and Urbanism Open International Competition. Quito Architecture Biennial, Puerto Baquerizo Moreno, San Cristobol, Galapagos
2006	<b>Morningside Park Pavilion</b> Toronto Department of Parks and Recreation, Morningside Park, Toronto, ON
2006-2008	<b>Bluepoint Multiunit Housing (PE Louver Façade System)</b> High performance envelope and shading systems design, Phuket, Thailand (in collaboration with Paul Raff Studio)
2004- 2007 Toronto, Ontario	<b>Velikov + Thün Building Studio, Principal</b>
2005	<b>Jalisco State Library</b> Open international competition, Guadalajara, Mexico
2005	<b>S.W.A.M.P. House (<i>unbuilt</i>)</b> Private residence, Sauble Beach, ON
2005	<b>Robson Road Residence (Seasons House) (<i>unbuilt</i>)</b> Private residence, Flamborough, ON
2005	<b>Flamborough Farm</b> Commercial greenhouse and Tree farm, Flamborough ON
2003-2005	<b>Havendale Residence</b> Private Residential renovation and furnishings, Burlington, ON
2001–2004 Toronto, Ontario	<b>architectsAlliance, Senior Designer</b>
2004	<b>Living City Centre at Kortright</b> Visitor's Centre Expansion & Masterplan, Vaughan ON (design & project Architect)
2002-2004	<b>Fred Kaiser Building, Faculty of Applied Science Electrical and Computer Engineering</b> University of British Columbia (in collaboration with Omicron Eng) (project architect)
2003	<b>Gardiner Expressway Planning Study &amp; Report.</b> WRC, Toronto, Ontario; (project architect)
2001-2003	<b>Dubai Marina, Sanam and Rawdah Towers</b> El Sahab Condominiums, Dubai, UAE (project architect)
2001	<b>Dubai Marina Masterplan and Planning Guidelines.</b> Dubai, UAE (project architect)
2001-2003	<b>Pond Road Student Residence.</b>

	York University, ON (senior designer)
2001	<b>Centre for Addiction and Mental Health.</b> Limited design competition, Toronto, ON (in collaboration with Perkins + Will / B+H) (competition team leader)
<b>1999-2001</b>	<b>Sterling Finlayson Architects, Associate</b>
Toronto, Ontario	
2000	<b>Klein Residence.</b> Prince Edward Island (project architect & associate in charge)
2000-2001	<b>Parc / Downsview Park International Design Competition.</b> Toronto ON. (in collaboration with Bernard Tschumi and Dereck Revington Studio) (competition team coordinator – landscape and ecology)
2000-2001	<b>Waterfront West Official Plan;</b> Part II & Urban Design Study. City of Toronto, ON (associate in charge)
1999-2000	<b>Branksome Hall</b> Master plan and rezoning, Toronto, ON; (associate in charge)
1999	<b>University of Toronto at Mississauga Master Plan.</b> Mississauga, ON (associate in charge)
1999	<b>Ryerson Engineering Faculty Building</b> Feasibility study, Toronto, ON (project team)
1999	<b>Power Street Redevelopment.</b> Redevelopment project, Toronto, ON (associate in charge)
1999-2000	<b>172 John Street. Advertising Agency Offices</b> Renovation, Toronto, ON (project architect)
<b>1995-1998</b>	<b>Teepie Architects, Intern Architect</b>
Toronto, Ontario	
1998	<b>Bookstore and Entry Pavilion</b> Trent University, ON (design team leader, job captain)
1997-1998	<b>South Campus Hall Gateway</b> University of Waterloo, ON (design team leader, job captain)
1996	<b>CIBC Bank Branch</b> Toronto, ON (project team)
1996	<b>Civello Salon and Spa</b> Toronto, ON (project team)
1995-1997	<b>UofT Graduate Student Residence</b> Toronto, ON (in collaboration with Morphosis) (design team)
1995-1996	<b>Antibes Community Centre</b> North York, ON (project team)
1995	<b>Tippett Library and Resource Centre Renovation</b> Toronto, ON (job captain)
1995	<b>Eglinton / Spectrum Public School</b> Toronto, ON (project team)
1995	<b>Gateway Public School</b> Toronto, ON (project team)
1995	<b>University of Toronto at Mississauga Student Center Competition.</b> Mississauga, ON. (design team)

## TEACHING

### COURSES TAUGHT

2021-Present	Professor	Taubman College of Architecture & Urban Planning, University of Michigan
Winter 2023	M.Arch: Arch 562: Collectives Studio: <i>Countryside Collectives</i>	
Fall 2022	MS: Arch 701: Seminar: <i>Theories in Digital and Material Technologies</i>	
Fall 2021	MS: Arch 701: Seminar: <i>Theories in Digital and Material Technologies</i>	
	M.Arch: Arch 552: Institutions Studio: <i>Radical Social Infrastructure   Library+</i>	
2015-2021	Associate Professor	Taubman College of Architecture & Urban Planning, University of Michigan
Winter 2021	M.Arch: Arch 562: Propositions Studio: <i>ClimateSF</i>	
	M.Arch 509: Seminar: <i>Ambiguous Territory: Between Architecture and Environment</i>	
Fall 2020	MS: Arch 701: Seminar: <i>Theories in Digital and Material Technologies</i>	
	M.Arch: Arch 672: Systems Studio: <i>Constructing New Collectivities</i>	
Winter 2020	M.Arch: Arch 562: Propositions Studio: <i>ClimateSF</i>	
Fall 2019	MS: Arch 701: Seminar: <i>Theories in Digital and Material Technologies</i>	
	M.Arch: Arch 672: Systems Studio: <i>Constructing Entanglements</i>	
Winter 2019	M.Arch: Arch 562: Propositions Studio: <i>Fluid Boundaries</i>	
Fall 2018	MS: Arch 701: Seminar: <i>Theories in Digital and Material Technologies</i>	
	M.Arch: Arch 672: Systems Studio: <i>New Domesticities New Collectivities</i>	
Winter 2018	M.Arch: Arch 562: Propositions Studio: <i>Architecture off/for Transnational Ecologies</i>	
	Arch 509: Seminar: <i>Ambiguous Territory: Between Architecture and Environment</i>	
Fall 2017	MS: Arch 701/706: <i>Theories in Digital and Material Technologies</i>	
	MS: Arch 707: Seminar: <i>Material Engagement "Sensitive and Sensing Materials"</i>	
Winter 2017	M.Arch: Arch 662: Thesis Studio: <i>Temporalities</i>	
	MS: Arch 707: <i>Physical Pursuits in Material Systems "Sensitive and Sensing Materials"</i>	
Fall 2016	M.Arch: Arch 660: Thesis Seminar: <i>Temporalities</i>	
	MS: Arch 706: Seminar: <i>Theories in Material Systems</i>	
Fall 2015	M.Arch: Arch 672: Propositions Studio: <i>The Periodic Table</i>	
	MS: Arch 706: Seminar: <i>Theories in Material Systems</i>	
2009-2015	Assistant Professor	Taubman College of Architecture & Urban Planning, University of Michigan
Spring 2015	M.Arch + B. Arch: Arch 506 + 409: Travel Course: <i>Cultural Landscapes in Anatolia</i>	
Winter 2015	M.Arch: Arch 662: Thesis Studio: <i>Topologies of Exclusion</i>	
	M.Arch: Arch 600: Independent Study: <i>Pneuma-Technics</i>	
Fall 2014	M.Arch: Arch 552: Networks Studio: <i>exchange agency</i>	
	M.Arch: Arch 660: Thesis Development Seminar: <i>Topologies of Exclusion</i>	
Fall 2013	M.Arch: Arch 552: Networks Studio: <i>plausible fictions</i> (Studio coordinator)	
	MS: Arch 706: <i>Theories in Material Systems</i>	
Winter 2013	MS: Arch 700: <i>MS Material Systems Practicum</i>	
	M.Arch: Arch 505: <i>Interconnected and Technologically Enhanced: Buildings, Ecologies, Bodies</i>	
Fall 2012	M.Arch: Arch 552: Networks Studio: <i>inter (change)</i> (Studio coordinator)	
	MS: Arch 706: <i>Theories in Material Systems</i>	
Winter 2012	M.Arch: Arch 662: Thesis Studio: <i>Externalities</i>	
	M.Arch: Arch 505: "Interconnected and Technologically Enhanced: Buildings, Ecologies, Bodies"	
Fall 2011	M.Arch: Arch 552: Networks Studio: <i>mongrel territories</i> (Studio coordinator)	
	M.Arch: Arch 660: Thesis Development Seminar: <i>Externalities</i>	
Winter 2010	M.Arch: Arch 662: Thesis Studio: <i>Stormfront</i>	
	M.Arch: Arch 505: "Interconnected and Technologically Enhanced: Buildings, Ecologies, Bodies"	
Fall 2010	M.Arch: Arch 552: Threshold Studio: <i>Infra-/Eco-/Logi-/Tectures</i>	
	M.Arch: Arch 660: Thesis Development Seminar: <i>Stormfront</i>	
Winter 2010	BS: Arch 322: UG2 Core Studio (coordinator)	
	M.Arch: Arch 505: <i>Interconnected and Technologically Enhanced: Buildings, Ecologies, Bodies</i>	
Fall 2009	M.Arch: Arch 552: Perimeter Studio: <i>Beefsteak Roma Hothouse</i>	

Summer 2013	Visiting Professor	California College of the Arts M.Arch. Studio 333 Workshop: <i>Nervous Either: Responsive Environments / Sensate Instruments</i>
Summer 2010	Visiting Professor	Ryerson University, Department of Architectural Science M.Arch: AR8105: <i>International Visiting Practice Studio</i> (w/ G. Thun, C Ripley)
2007-2009	Assistant Professor	School of Architecture, University of Waterloo
Spring 2009		M.Arch: ARC692: M1 Thesis Studio (Graduate Studio & Seminar) M.Arch: ARC684-018: Graduate Seminar: <i>Contemporary Discourses in Architecture</i> M.Arch: ARC684-004: Graduate Elective: <i>North House Design-Build Elective</i> B.A.S: ARC484: Undergraduate Elective: <i>North House Design-Build Elective</i>
Fall 2008		BAS: ARC292: Studio: <i>Community Infrastructure &amp; Urban Natatorium</i> (Studio Coordinator)
Spring 2008		M.Arch: ARC684: Graduate Seminar: <i>Sustainable Design Research Methods</i> B.A.S: ARC484: Undergraduate Elective: <i>North House Research Elective</i> BAS: ARC293: Studio Faculty: <i>Excursions in the Expanded Field</i>
Fall 2007		M.Arch: ARC684-2: Graduate Seminar: <i>Theory Since 1989</i> BAS: ARC292: Studio: <i>Urban Housing</i> (Studio Coordinator)
2007-present		M.Arch: Thesis Advisor and Committee Member
2006-2007	Oberdick Fellow	Taubman College of Architecture & Urban Planning, University of Michigan
Winter 2007		BAS: Arch 442: Wallenberg Design Studio: <i>Daedalus Fields</i> BAS: Arch 236: Lecture & Seminar: <i>Design Fundamentals II</i>
Fall 2006		M.Arch: Arch 412: Studio: <i>Site</i> (Studio Faculty and Section Coordinator)
1998-2006	Adjunct Assistant Professor	Faculty of Architecture Landscape & Design, University of Toronto
Winter 2006		M.Arch: ARC2014Y: Studio: <i>Comprehensive Building Project</i> (Studio Faculty)
2005-2006		M.Arch Thesis Advisor
Fall 2005		M.Arch: ARC2013Y: Studio: <i>Culture and the Metropolis</i> (Section Coordinator)
Fall 2003		M.Arch: ARC2013Y: Studio: <i>Culture and the Metropolis</i> (Section Coordinator)
Winter 2003		M.Arch: ARC2012Y: Studio: <i>Site, Building, Tectonics</i> (Section Coordinator)
Fall 2001		BA: Arc313F: Design Studio (Section Coordinator)
Winter 2001		BA: Arc213S: Design Studio
Fall 2000		BA: Arc313H: Design Studio
Fall 1999		B.Arch: Arch313: Urban Design Studio
Winter 1999		B.Arch: Independent Studies in Design (Advisor)
Fall 1998		B.Arch: Arch313: Urban Design Studio
1996-2007	Adjunct Assistant Professor	School of Architecture, University of Waterloo
Summer 2007		B.Arch: ARC293: Studio: <i>Excursions into E*_Scape: Economy, Ecology, Experience</i>
Summer 2006		B.Arch: ARC293: Studio: <i>Architecture and Landscape</i>
Summer 2005		B.Arch: ARC293: Studio: <i>Architecture and Landscape</i>
Winter 1998		B.Arch: ARC392: Studio: <i>Light Studio</i>
Fall 1997		B.Arch: ARC492: Study Abroad Rome Studio (Visiting Faculty)
Winter 1997		B.Arch: ARC193: Design Studio
Fall 1996		B.Arch: ARC193: Design Studio

## PHD ADVISING / COMMITTEES

2019-present	<i>Ph.D. Dissertation Committee U-M</i> (secondary supervisor). Stasi as Architectural Producer: Surveillance and scientific management in the East German built environment 1961-1989. Emine Seda Kayim
2020-2023	<i>Ph.D. Dissertation Committee U-M</i> (committee member). Digital ID based Interactions Between Indoor Environments and their Occupants for Human Well-Being and Sustainable Communities. Min Deng
2016-2019	<i>Ph.D. Dissertation Committee U-M</i> (secondary Supervisor). Generative Reciprocity: A computational framework for integrated design and fabrication of reciprocal architectural systems. Omid Oliyan Torghabehi.
2018-2019	<i>External reviewer KU Leuven</i> . Circular economy transition in Flanders: An urban landscape design contribution. Julie Marin

2015-2018 *Ph.D. Dissertation Committee U-M* (secondary supervisor). The Infrastructure of Itinerancy: Politics and image in the late modern architecture of Minoru Yamasaki, 1951-86. Joss Kiley

## WORKSHOPS LED

2022 [re]assembling the city. Arch 650 Design Research Workshop, Syracuse University (2022, Nov 12-14).  
 2020 Practice as Research: Hybrid epistemologies. *Divergence in Architectural Research Symposium*. Atlanta, GA: Georgia Tech School of Architecture (2020, March 7).  
 2019 Mapping Urban Access. *Michigan Mellon Workshop*. Detroit, Mi: ArcPrep, Taubman College of Architecture and Urban Planning. (2019, April 24).  
 2017 Re-Scripting Urban Ecologies. *ARC770 Modeling Workshop*. Syracuse, NY: School of Architecture, Syracuse University (2017, November 17-18).  
 Sensitive Circuits. *Arduino & Firefly Workshop*. Taubman College of Architecture and Urban Planning. (2017, November 10-12).  
 Sensitive Circuits. *Arduino & Firefly Workshop*. Taubman College of Architecture and Urban Planning. (2017, February 17-19).  
 2009 Integrated Design Process Workshop. Halifax, NS: Faculty of Architecture and Planning, Dalhousie University. (2009, January 12).  
 2008 Integrated Design Process Workshop. Halifax, NS: Faculty of Architecture and Planning, Dalhousie University. (2009, January 11).

## JURIES (OTHER INSTITUTIONS)

2022 *University of Texas at Austin Final Studio Reviews*, Austin, TX (2022, Dec 1-2)  
*Bartlett BPro MArch AD Exam Board*. Bartlett, UCL, London, UK/online (2022, Sept 21)  
*Advanced Architectural Design Studio Final Reviews*. Weitzman SoD. UPenn, Philadelphia, PA (2022, April 28)  
*TTU El Paso Final Reviews*. Texas Tech University, El Paso, TX (2022, April 25)  
 2021 *Design and Tech Across Disciplines*, Cornell Tech Final Review. New York City/online (2021, Dec 7)  
*Bartlett BPro MArch AD Exam Board*. Bartlett, UCL, London, UK/online (2021, Nov 2)  
*MDES Final Reviews*. Harvard GSD, Cambridge MA (2021, May 12)  
*MSD\_RAS Final Reviews*, Weizmann SoD. UPenn, Philadelphia, PA (2021, April 20)  
*Thesis Mid-Reviews*. Harvard GSD, Cambridge MA/online (2021, March 24)  
*MArch Mid-Reviews*. University of Chicago, Chicago IL/online (2021, Feb 12)  
 2020 *MArch Final Reviews*. Texas A&M University/online (2020, Dec 5)  
*Barlett BPro Super Crit*. University of Cambridge London: The Bartlett School of Architecture/online (2020, July 15)  
*Thesis Reviews*. School of Art Institute of Chicago/online (2020, July 10).  
*MArch Studio Review*. University of Southern California: School of Architecture/online (2020, May 12).  
*Graduate and Undergraduate Final Review*. University of Colorado Denver: College of Architecture & Planning/online (2020, May 6-7).  
*BArch Studio Review*. University of Buffalo: School of Architecture and Planning/online (2020, May 5).  
*Thesis Reviews*. University of Tennessee: College of Architecture and Design/online (2020, April 23).  
 2019 *MArch Studio Review*. Syracuse University: School of Architecture. (2019, May 1).  
 2018 *BArch and MArch Studio Review*. University of Texas: Austin School of Architecture. (2018, December 5-6).  
*Urban Design Studio Review*. TU Dortmund (2018, May 28).  
*SMArchS Thesis Final Review*. MIT: School of Architecture (2018, May 18).  
*Undergraduate Review*. Texas Tech University: College of Architecture. (2018, April 30).  
 2017 *Research Studio Review*. University of Virginia School of Architecture. (2017, December 12).  
*BArch, MArch, Advanced Studio Review*. California College of the Arts. (2017, December 8-9).  
*Arch 604 Review*. Syracuse University: School of Architecture. (2017, Nov 16).  
 2016 *Option Studio Reviews*. University of Toronto: Daniels Faculty of Architecture and Design. (2016, April 18-19).  
 2015 *MArch Studio Review*. University of Calgary: School of Architecture, Planning & Design. (2015, December 15-16).  
*MArch Studio Review*. California College of the Arts. (2015, December 4- 5).  
*Option Studio Reviews*. University of Toronto: Daniels Faculty of Architecture and Design (2015, April 13-14).  
*Thesis Review*. University of Waterloo. (2015, April 10)  
 2014 *Undergraduate Review*. University of Waterloo. (2014, August 8).  
 2013 *Graduate Option Studio Mid-Review*. Lawrence Technical University. (2013, March 5).  
*Lupien and Thün Masterclass Workshop Review*. Université de Québec à Montréal (2013, February 8).

- 2012 *Graduate Options Studios Final Reviews*. University of Toronto: Daniels Faculty of Architecture and Design. (2012, December 10-11)
- 2011 *Graduated Final Reviews*. California College of the Arts. (2011, December 9-10)
- 2011 *Graduate Masterclass Final Reviews*. Lawrence Technical University. (2011, July 22).
- 2010 *Graduate Architecture Thesis Review*. Illinois Institute of Technology: College of Architecture. (2010, April).
- 2009 *Thesis Review*. University of Waterloo. (2009, June 9-12).

## RECOGNITION / CITATION / PUBLICATION OF STUDENT WORK

- 2022 E. Powers. Radical Social Infrastructure Library. Institutions Studio Student Show winner (Arch 552 studio project)
- 2021 M. Wu, S. You, D. Yuan. Care Cooperative. Systems Studio Student Show honorable mention (Arch 562 studio project)
- 2017 Mehta A., & Zhan S. *Alumni Society Board of Governors Awards: First place*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. [MS\_MS: Arch 707].
- 2016 Rivera J. Synthetic machines. *Superarchitects*. Retrieved from <http://superarchitects.world/portfolio/synthetic-machines/> [Arch 672 studio project]
- 2015 Ng J. Aeriform ecologies: An Atmospheric Archive for Industrial Effluvium. *ArcDaily*. Retrieved from <http://www.archdaily.com/770533/aeriform-ecologies-an-ecosystem-of-solutions-for-industrial-effluvium> . [Thesis studio project]
- 2014 Gong Z. (2014). *AIA Huron Valley Chapter Awards: First place*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. [Arch 552].
- 2013 Fromm, P. (2013). *Taubman College Graduate Program Student Awards: First place*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. [Arch 552].
- Heathfield A. (2013). UnderLAY.. *Dimensions*, 26, 30-39. [Thesis studio project]
- Blankenship D.B. (2013). Disembodied. *Dimensions*, 26, 82-93. [Thesis studio project]
- 2012 Holzwart C. (2012). Ground swell: Adaptive land morphologies and soft infrastructure. [Thesis project] *Dimensions* 25, 151-162 and *PLAT 3.0*, 156-163. [Thesis project]
- Safley, N. (2012). *Taubman College Graduate Program Student Awards: Second Place*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. [Arch 552].
- Sauvé L. (2012). Contingent design theory: A retroactive manifesto of the single industry city. *Dimensions*, 25, 27-38. [Thesis project]
- Timmer J. (2012). Bordering lines: Complexity and contingency on the U.S.-Mexico border. *Dimensions*, 25, 39-48. [Thesis project]
- Yuen, R. (2011). Points + clouds: Tactical hermeneutics. *Dimensions*, 25, 173-182 and *PLAT 2.0*, 26-27.
- 2011 Chan, D. (2011). *Taubman College Graduate Program Student Awards: First place*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan. [Arch 552]
- 2009 Team Ontario/BC. (2009). Fourth place. *US DOE / NREL Solar Decathlon*. [Faculty advisor]
- 2008 Bogias P. & Wiggins M. (2008) thinkToronto competition: Honorable mentions. *Spacing Magazine*. [Work exhibited at Toronto City Hall]
- Yuan Y. & Yuan Y. (2008). thinkToronto competition: Honorable mentions. *Spacing Magazine*. [Work exhibited at Toronto City Hall]
- 2006 Velikov K. (co-curator) (April 2006). *60 Visions for the Alliance Francaise*. Toronto, ON: Alliance Francaise. [Exhibition of al&d graduate design studio projects]
- 2006 Renwald, K. (2006, June 29). Moveable feast: University of Waterloo students create the ultimate in memorable, poetic picnics by the Humber River. *The Toronto Star*, p. J1-J5 . [Review of student work from UW Design-Build Studio]

## SERVICE

### COLLEGE COMMITTEES (Taubman College of Architecture & Urban Planning)

- 2022-2023 Research Policy Committee, Chair



	Leadership Committee, member
	Executive Committee, ex-officio member
2021-2022	Research Policy Committee, Co-Chair
	Leadership Committee, member
	Executive Committee, ex-officio member
	Space and Planning Committee, member
2020-2021	Ad Hoc Promotion and Tenure Committee, member
2019-2020	Executive Committee, Elected Member
2017-2018	Dual Career Search Committee, Chair
	Post-Doctoral Fellowship Search Committee, Chair
2016-2017	Promotion and Tenure Committee, Chair
2015-2016	Promotion and Tenure Committee, member
2010-present	Taubman College Postprofessional Programs Committee
2010	Taubman College: Member, Ad-Hoc Committee on Sustainable Built Environment

## FACULTY COMMITTEES

2022-2023	<i>Urban Tech Curricular Task Force</i> (member). Taubman College <i>MS DMT Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2021-2022	<i>Urban Tech Curricular Task Force</i> (member). Taubman College <i>MS DMT Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2020-2021	<i>Urban Tech Curricular Task Force</i> (member). Taubman College <i>MS DMT Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2019-2020	<i>Studio Innovation Task Force</i> (chair). Taubman College <i>Urban Tech Curricular Task Force</i> (member). Taubman College <i>MS DMT Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College <i>EPC Committee</i> (member). Taubman College
2018-2019	<i>Studio Innovation Task Force</i> (chair). Taubman College <i>MArch Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2017-2018	<i>MS DMT Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2016-2017	<i>MSMS Program Admissions Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2015-2016	<i>Faculty Search Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2014-2015	<i>MARCH Student Admissions Committee</i> (chair). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2012-2013	<i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2011-2012	<i>Taubman College Architecture Educational Program Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2010-2011	<i>Taubman College Architecture Educational Program Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2009-2010	<i>Taubman College Architecture Faculty Search Committee – Fellowship Program</i> (member). Taubman College <i>MArch 2G Program Architecture Admissions / Scholarships Committee</i> (member). Taubman College <i>Taubman College Graduate Student Advising Committee</i> (member). Taubman College
2008-2009	<i>UWSA Co-Operative Education Committee: Organizer of Paths to Practice Co-op student symposium, September 2008 &amp; 2009</i> (member). University of Waterloo School of Architecture

## UNIVERSITY COMMITTEES (University of Michigan)

2023	<i>U-M Associate Vice President for Campus Sustainability Search</i> (member)
2015-present	<i>U-M Graham Sustainability Institute Executive Committee</i> (member). Graham Sustainability Institute
2018	<i>U-M Graham Sustainability Institute Director Search</i> (member). Graham Sustainability Institute

2013-2017	<i>U-M SMART Steering Committee</i> (member). Sustainable Mobility & Accessibility Research & Transformation (SMART)
2012-2013	<i>ArtsEngine Faculty Advisory Council</i> (member). ArtsEngine. <i>ArtsEngine Faculty National Research Task Force</i> (member). ArtsEngine.
2011-2012	<i>ArtsEngine Faculty Advisory Council</i> (member). ArtsEngine. <i>ArtsEngine Faculty National Research Task Force</i> (member). ArtsEngine.

## PROFESSIONAL OR ACADEMIC ORGANIZATION SERVICE

2020-2022	<i>Vice President</i> . ACADIA
2018-2020	<i>President</i> . ACADIA
2016-2017	<i>Board of Directors</i> (elected member). ACADIA
2010	<i>ACSA Conference Task Force</i> (member). ACSA
2007-2009	<i>Canada Green Building Council Academic Education Committee</i> (chair) CaGBC
2005-2007	<i>Canada Green Building Council Academic Education Committee</i> (member). CaGBC
2004-2005	<i>Advisory Committee</i> (member). Kortright Living City Center
2003-2018	<i>Intern Architect Mentor</i> . Ontario association of Architects (OAA)

## EXTERNAL REVIEWER / REFEREE

2023	<i>Jury Member</i> . EVOLO 2023 International Skyscraper Competition <i>Technical Paper Reviewer</i> . UIA World Congress of Architects Sustainable Futures Conference 2023
2022	<i>Technical Paper Reviewer</i> . ACADIA 2022 Hybrids and Haecceities <i>Technical Paper Reviewer</i> . ASCAAD 2022 Hybrid Spaces of the Metaverse <i>Book Proposal Peer Reviewer</i> . Routledge Taylor & Francis.
2021	<i>Article Peer Reviewer</i> , International Journal of Architectural Computing <i>Technical Paper Reviewer</i> . ACADIA 2021 Realignment: Toward Critical Computation. <i>Peer Reviewer</i> . SiGraDI 2021 Designing Possibilities.
2020	<i>Technical Paper Reviewer</i> . ACADIA 2020 Distributed Proximities. <i>Peer Reviewer</i> . ASCAAD 2021 Architecture in the Age of Disrupted Technologies. <i>Jury Member</i> . Taubman College Studio Redux Student Competition.
2019	<i>Technical Paper Reviewer</i> . ACADIA 2019 Ubiquity and Autonomy. <i>Scientific Committee</i> . FABRICATE 2020. <i>Peer Reviewer</i> . Architecture Science Review. <i>Peer Reviewer</i> . Journal of Architectural Education JAE 73:2: Work.
2018	<i>Technical Paper Reviewer</i> . ACADIA 2018 Re:calibration. <i>Scientific Committee</i> . IASS 2018 Symposium. <i>Grant Peer Reviewer</i> . University of Michigan UMOR Artistic Presentations Grant. <i>Book Proposal Peer Reviewer</i> . Routledge Taylor & Francis.
2017	<i>Technical Paper Reviewer</i> . ACADIA 2017 Disciplines Disruption. <i>Technical Paper Reviewer</i> . Design Modeling Symposium. <i>Abstract Peer Reviewer</i> . TxA Emerging Design and Technology Conference. <i>Grant Peer Reviewer</i> . University of Michigan UMOR Small Project Grant. <i>Book Proposal Peer Reviewer</i> . Routledge Taylor & Francis (2 separate manuscripts reviewed)
2016	<i>Technical Committee</i> (co-chair). ACADIA 2016 Posthuman Frontiers Conference. <i>Grant Peer Reviewer</i> . University of Michigan UMOR Small Project Grants.
2014	<i>Jury Member</i> . North Coast Design Competition: Designing Dredge. <i>Paper Referee</i> . ZEMCH International Conference. <i>Grant Peer Reviewer</i> . University of Michigan UMOR Small Project Grants.
2013	<i>Technical Reviewer</i> . ACADIA 2013 Conference. <i>Blind Peer Paper Reviewer</i> : Journal of Architectural Education. <i>Grant Peer Reviewer</i> : University of Michigan OVPR Small Project Grants.
2012	<i>Jury Member</i> . ACSA Creative Achievement Awards.

	<i>Paper Referee.</i> ACSA 101th National Conference, session: Rapid City.
	<i>Grant Peer Reviewer.</i> University of Michigan OVPR Small Project Grants.
2011	<i>Paper Referee.</i> ACSA 100th National Conference, session: Open: Urbanism.
2010	<i>Paper Referee.</i> ACSA 99th National Conference, session: Water.
2009	<i>Jury member.</i> ACSA 2009 Steel Design Awards.
2008	<i>Jury Member.</i> ACSA 97th National Conference, Poster Competition.
2009	<i>Co-Coordinator and Moderator.</i> CaGBC National Summit, Academia Day: Sustainable Urban Intensification: Social Engagement in Sustainable Development & Education.
2008	<i>Co-Coordinator and Moderator.</i> CaGBC National Summit, Academia Day: Scaling Up + Reaching Out.
2007	<i>Co-Coordinator and Moderator.</i> CMHC Design Faculty Summit: CaGBC Education Summit –Towards Sustainability: A Canadian Symposium exploring Greening the Curricula.
2006	<i>Co-Coordinator and Moderator.</i> CMHC Design Faculty Summit: CaGBC Education Summit - Sustainability, Communities, Education.
2005	<i>IDP Workshop Coordinator.</i> CMHC Design Faculty Summit: CaGBC Education Summit – The Integrated Design Process.