

KATHY VELIKOV
MA, BArch, BES, AIA, OAA

kvelikov@umich.edu

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

2022-present **The Bartlett, University College London Faculty of the Built Environment, London, UK**
External Examiner, MArch Architectural Design 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

- 2023 **ACADIA Society Award for Leadership**
- 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 **Canada Council for the Arts: 2016 Venice Biennale of Architecture (Juried Team Selection): EXTRACTION**
(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. Kimmett]
- 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

- 2024 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 press]
- 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., & Thun, 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: Coachouse Press.

REFEREED JOURNAL ARTICLES

- 2024 Velikov, K., Meuller, S., Kripa, E., & Thün, G. (2024). Biomaterial Regional Transformations. *Places Journal Special Call: Usable Pasts [Proposal and Article Outline in Review]*
- Velikov, K., & Thün, G. (2024). Drawing Transitions, Rescripting Relations, Envisioning Intertwinements. *Journal of Architectural Education (JAE), Special Issue: Worlding, Energy, Transitions, 78(2)*, [Full Article Submission in Review]
- Velikov, K., Hasan, K., Lewis, G., Menassa, C., Kamat, V., & Thün, G. (2024). Stretch Codes and the Building Envelope. *Technology | Architecture + Design (TAD) Special Issue: Coding, 8 (2)*. [Full Article Submission in Review]
- 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

- 2023 Velikov, K., & Thün, G. (2023) Infrastructural Hybrids. *Gradient Journal Feed #3 Infrastructures*. <https://gradient-journal.net/articles/infrastructural-hybrids>
- 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

- 2023 Thün, G., Sanyal and Velikov, K. (2023) Sustainable (Re) Development in Post Industrial City Regions: Centering circular systems of Food, Energy, Water, and Waste, a case for Detroit. In M. Ramsgaard Thomsen,

- C.Ratti, and M. Tamke (eds.), *UIA World Congress of Architects Copenhagen 2023*, Cham, CH: Springer Nature, (647-667)
- 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 104th 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 104th 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 35th 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 34th 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. Sörensen, & 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 33th 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 33th 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 31st 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, 98th 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, 98th 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, 97th 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 4th 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, 97th 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 Thün, G., & Velikov, K. Sanyal, T. (2023 July 2-6). Sustainable (Re)Development in Post Industrial City Regions: Centering Circular Systems of Food, Energy, Water, and Waste: A Case for Detroit. at *UIA World Congress of Architects CPH 2023*. Copenhagen DK. Bella Center Copenhagen / UIA
- 2022 Thün, G., & Velikov, K. (2022, May 18-20). M_NEX Detroit: Engaging Circular Systems, the Food Energy Water Nexus and Urban Accessibility. at *58th 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 Realignments: toward critical computation, 41st 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, 104th 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, 104th 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 41st 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 *39th 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 *2nd 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, 31st 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, 7th 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, 4th 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 *35th 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

- 2023 "Cultivating a Community of Practice," ACADIA Society Award Talk (2023, October 26)
- 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 “Research in Architectural Academic Settings: Challenges and Opportunities,” ARCC Research Associate Deans’ Panel Discussion, ARCC (Architectural Research Centers Consortium) International Conference, Dallas, Texas (April 15 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 Past, 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: 4th 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. Dysan & 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 [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 Rregion*. 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>
- (2017, March 30). EXTRACTION. *The 2017 National Award recipients*. Ottawa, ON: CSLA, AAPC Retrieved [2019, August 16] https://www.csla-aapc.ca/sites/csla-aapc.ca/files/Winners%202017%20for%20communications_0.pdf . [Featured project]
- Holt, S. (Writer, Producer, & Director). (2017, February 17). The origami revolution [Television series episode]. In WGBH (Producer). Boston, MI: NOVA production by Hold Productions LLC for WGBH Boston. [Featured project: Resonant Chamber]
- 2016 Adams, T. (2016). *Sound Materials. A Compendium of Sound Absorbing Materials for Architecture and Design* (34-37). Amsterdam, NL: Frame Publishers. [Featured project: Resonant Chamber]
- Aksamija, A. (2016). The North House project. *Integrating Innovation in Architecture: Design, Methods and Technology for Progressive Practice and Research* (162-169). New York, NY: John Wiley & Sons. [Featured project]
- John St., A. (2016, December 1). U faculty develops pop-up eye clinic for regions lacking ongoing care options. *The Michigan Daily*, pp. 1A, 3A. [Featured project: CommonHealth+ Clinic Sandy Bay]
- (2016, November 8). Container to clinic: U-M-designed pop-up clinic a first-of-its kind In Jamaica. *Michigan Medicine News, Global Reach, University of Michigan*. Retrieved from <http://globalreach.med.umich.edu/articles/container-clinic-um-designed-pop-clinic-first-its-kind-jamaica> . [Featured project: Common_Health+ Clinic Sandy Bay]
- Berg, N. (2016, August 1). 2016 R+D Awards, Honorable mention: Infundibuliforms- kinetic tensile surface environments. *Architect*. Retrieved from https://www.architectmagazine.com/awards/r-d-awards/honorable-mention-infundibuliforms-kinetic-tensile-surface-environments_o. [Featured project]
- Bélanger, P. [2016, August 16]. Web exclusive: Canada at the 2016 Venice Architecture Biennale. *Canadian Architect*. Retrieved (2016, September 6) from <https://www.canadianarchitect.com/features/web-exclusive-canada-2016-venice-architecture-biennale/> . [Featured project: EXTRACTION]
- Belanger, P. (2016). EXTRACTION: Canadian exhibition at the 2016 Venice Biennale. *ARQ, Lands*, 93 (August), 124-131. [Featured project: EXTRACTION]
- Meneses Woldarsky, N. (2016, May 19). Canada, extraction Empire: A report from the edge of empire (Outdoors, That Is). *ArchDaily*. Retrieved from <https://www.archdaily.com/787784/canada-extraction-empire-a-report-from-the-edge-of-empire-outdoors-that-is> . [Featured project: EXTRACTION]
- 2015 Finger, A. K. (2015). Acute aesthetics. In Ruhl, C., Hoekstra, R., & Dähne, C. (eds.) *The death and life of the total Work of art. Henry Van De Velde and the legacy of a modern concept* (217-226). Berlin, DE: Jovis Verlag. [review of the *Stratus Project* in the context of gestamkunstwerk]
- Bozиковic, A. (2015, Dec 4). Canadian exhibit at Venice Biennale to dig into resource exploitation. *Globe and Mail*, p. L4. [review of xtraction project]
- McMorrough, J. (2015, October 3). A Part Apart. Presented at *Chicago Architecture Biennial (Crown Hall Round Tables, Round Table #4: "When You're Having More Than One"*. Chicago, IL: Chicago Architecture Biennial. [Includes review of Infra Eco Logi Urbanism project]
- Mendis, B., Easterling K., Marcinkoski, C. (Interviewees), Thün, G. & Velikov, K. (Interviewees), (2015). Infra eco logi urbanism in discussion. *Constructs*, Yale School of Architecture, spring, 7.
- Bozиковic, A. (2015, March 19). Ferry tales: How Toronto's terminal could make magic on the waterfront. *Globe and Mail*, p. M1. [featured: RVTR's Jack Layton Ferry Terminal Competition entry]
- Bozиковic, A. (2015, March 17). On the Waterfront. Designers reinvent Toronto's dreary ferry terminal with ambitious designs. *Globe and Mail*, p. A8. [Review of RVTR's Jack Layton ferry terminal competition entry]
- Gupta, R. (2015, March 17). International architect teams unveil designs for Jack Layton Ferry Terminal. *City Center Mirror*. Retrieved from <https://www.toronto.com/news-story/5481598-international-architect-teams->

- [unveil-designs-for-jack-layton-ferry-terminal/](#). [Featured project: RVTR's Jack Layton Ferry Terminal Competition entry]
- Alcoba, A. (2015, March 16). Top five proposals to redevelop and modernize Toronto's island ferry terminal unveiled. *National Post*. Retrieved (2015, March 16) from <https://nationalpost.com/news/top-five-proposals-to-redevelop-and-modernize-torontos-island-ferry-terminal-unveiled>. [Featured project: RVTR's Jack Layton Ferry Terminal Competition entry]
- Brownell, B., & Swackhamer, M. (2015). The Stratus Project. *Hypernatural: Architecture's new relationship with nature* (24, 48-55). New York, NY: Princeton Architectural Press. [Featured project]
- Marcinkoski, C. (2015). Exhibition review: Infra Eco Logi Urbanism. *Constructs*, Yale School of Architecture, (Spring), 6.
- Naboni, R., & Paoletti, I. (2015). Kinetic Electroacoustic Ceiling. *Advanced customization in architectural design and construction* (134-140). Berlin, DE: Springer Verlag. [Featured project: Resonant Chamber]
- Davis, K. (2015, Feb 13). Infra Eco Logi Urbanism finds art in environmentally conscious urban planning. *Michigan Daily: Community Culture Section* (D.4). [Review]
- 2014
- Iovine, J. (2014, October 13). City of the (near) Future. *Wall Street Journal: Life & Culture Section*, (D4). [Review of *infra eco logi urbanism* exhibition in New Haven].
- Brensilver, D. (2014, October 2014). A proposal for the future: Exhibition explores big thinking about megaregions. *The Arts Paper*, pp.10-11, 17. [review of *infra eco logi urbanism* exhibition in New Haven]
- Hart, C. (2014, September 19). Brave New Urban World. *Yale Daily News*. Retrieved (2019, August 6) from <https://yaledailynews.com/blog/2014/09/19/brave-new-urban-world/> [Review of *infra eco logi urbanism* exhibition in New Haven]
- Dankosky, J. (Interviewer), Thün, G. & Velikov, K. (Interviewees). (2014, August 15). From suburbs to cities: Design for a better future. *NPR's Where We Live series*. Hartford, CT: WNPR Connecticut. [24mins Nationally broadcast radio interview]
- Aiello, C. (Ed). (2014). Nervous Ether: Shiver of Bodies. *eVolo_06: Digital & Parametric Architecture*, 6(1), 224-225. [Featured project: pneusystems]
- (2014). Infra-eco-log urbanism. *2013-2014 Architectural Education Awards* (66-67). Washington, DC: ACSA Press. (Featured project)
- 2013
- Ng, R., & Patel, S. (2013). The Stratus Project. *INPUT_OUTPUT, performative materials in architecture and design* (218-219). Chicago: University of Chicago Press. [featured project]
- Doyon, F. (2013, April 4). Quand les designers repensent la region des Grands Lacs. *Le devoir. Libre de Penser* (A1, A8). [Review of *infra eco logi urbanism(e)* exhibition in Montreal]
- Labreque, G. (2013, March 15). Infra- eco- logi- urbanisme- RTVR, au Centre de design de l'UQAM, Montréal. *Le Courrier de l'Architecte*. Retrieved (2013, March 20) from http://www.lecourrierdelarchitecte.com/expoconcours_1506 [Review of *infra eco logi urbanism(e)* exhibition in Montreal]
- Marconi, A. (2013). RVTR: Infra- eco- logi- urbanisme. *Association du Design Urban du Quebec (ADUQ)*. Retrieved (2013, March 15) from http://adug.ca/ai1ec_event/seance-dinformation-pdues-secteur-marconi-alexandra-%203-2/?instance_id= [Review of *infra eco logi urbanism(e)* exhibition in Montreal]
- 2012
- Wilson, M. (2012, May 15). A Mechanical Roof Tweaks Concert Acoustics In Real Time: Imagine a concert hall that adapts to each performer during the performance. *Fast Company*. Retrieved from <http://www.fastcodesign.com/1669640/a-mechanical-roof-tweaks-concert-acoustics-in-real-time> [Review: Resonant Chamber]
- Boyle, R. (2012, May 10). Morphable concert hall ceiling shape-shifts for superbly customized sound. *Popular science*. Retrieved from <http://www.popsoci.com/technology/article/2012-05/new-morphable-concert-hall-ceiling-shape-shifts-superb-sound>. [Review: Resonant Chamber]
- Furuto, A. (2012, April 19). Resonant Chamber / rvtr. *ArchDaily*. Retrieved from <http://www.archdaily.com/227233> . [Review: Resonant Chamber]
- Tylevich, K. (2012, May 2). Research Through Making -Domus speaks to project initiator Monica Ponce de

- Leon. *DOMUS.it*. Retrieved from <http://www.domusweb.it/en/interview/research-through-making/> [Featured project: Resonant Chamber]
- (2012). The Stratus Project. *2011-2012 Architectural Education Awards* (60-61). Washington, DC: ACSA Press. (Featured project)
- 2011 White, M. (2011). New Geographies #2: Landscapes of Energy (review). *Landscape Journal, design, planning and management of the land*, 30 (1), 151-152. [Review: Conduit Urbanism]
- Weber, C. (2011). North House project. *Eco-Structure Magazine*. (Sept/Oct), 76-81. (Featured project)
- Chodikof, I. (2011). North House, RAIC awards: Innovation in architecture. *Canadian Architect*, 55(5), 11-13. (Featured project)
- 2010 Gerfen, K. (2010). North House: Responsive envelope prototyping. *Architecture*, 64-67. (Featured project)
- 2009 Bozickovic, A. (2009). There is no such thing as Canadian design. *Twenty + Change 02 Emerging Canadian Design Practices* (12-16). Cambridge ON: Riverside Press. [Featured: RVTR Approach and Practice]
- Reiser, J., & Resielbach A. (Eds.) (2009). RVTR. *Resonance / Young Architects 10, The Architectural League of New York* (46-71). New York: Princeton Architectural Press. [Featured: work of Kathy Velikov + Geoffrey Thün, RVTR]
- Crafti, S. (Ed.). (2009). RVTR: Latitude Housing for extreme northern environments. *Houses of Steel: Living Steel's International Architecture Competitions* (132-135). Melbourne, AU: Images Publishing. [Featured project: Latitude Housing System]
- Bentley-Mays, J. (2009, October 2). North House waves the flag: A Canadian entrant in this year's Solar Decathlon attempts to deliver a factory-built home with a zero-energy footprint. *Globe and Mail*, (G4). [Review of North House Project]
- Doubbledam, H., & Sheppard, L. (Eds.). (2009). *Twenty + change: Emerging Canadian design practices 02* (102-107). Cambridge, ON: Riverside Architectural Press [Projects by RVTR]
- Bentley-Mays, J. (2009, July 10). A search for the perfect assembly line house. *Globe and Mail* (G2). [Review of North House project and new forms of interdisciplinary graduate programs]
- Harvey, J. (Ed.). (2009). Office Project | Project Office. *Fellowships in architecture* (95-96). Melbourne AU: IORO Editions.
- Noufaily, F., & Perkins, G. (2009). Plaza de las Tres Culturas: Bridging strata. *onsite Magazine*, (20), 76-80. [Review of Bridging Strada]
- 2008 Barker, J. (2008, December 7) Attitude on Latitude. *Modern House Magazine*. Retrieved from (2008, December 7) www.modernhousemagazine.com. [Review of Latitude Housing System]
- (2008). Living Steel Extreme Housing International Competition: Latitude Housing System. *CONCEPT* (24-28). Korea: 12 CaPress. [Review of RVTR's Latitude System]
- Bentley-Mays, J. (2008, August 22). Housing with more bang. *Globe and Mail* (G2). [Review of Latitude Housing System]
- (2008, May). Velikov & Thün of RVTR receive Young Architect's Award from the Architectural League of New York. *Canadian Architect*, 53 (5), 8. (Featured)
- 2007 Ricalde, H., & Flores, M. (2007). 9th international Arquine competition. *Arquine*, 40 (Summer), 109-117. [Review of Bridging Strada]
- 2006 Oulette, R. (2006, February 15). Deliciously stoic' catches attention. *The National Post*, D2. [Review of the work of Velikov+Thün Building Studio]
- Williams, P. (2006, January 9). Kudos for design excellence. *Daily Commercial News and Construction*. [Review of the work of Velikov+Thün Building Studio]
- 2005 Taylor, M., Oulette, R., & Provencher, C. (2005, December 5). Landscape citings. *Canadian Architect*, 50 (12), 17-20. [Review of the work of Velikov+Thün Building Studio]
- (2005, December 5). Award of excellence: S.W.A.M.P. house. *The Canadian Architect*, 50 (12), 42-43. [Review of S.W.A.M.P. House]
- 2004 Yarinsky, A., & Shnier, J. (2004, December 4). A matter of taste. *Canadian Architect*, 49 (12), 29-33.

- [Review of Robson Road Residence]
- 2000 (2000). Cinematheque at the baths of Caracalla. *ROMA XX: The lesson of Rome*. BCE Place: Galleria & Heritage Square, Riverside Press, 68. [Publication & exhibition, review of work by K. Velikov]
- 1996 Festival infrastructure. *R.A.I.C. Update Magazine*, April/May. (Project feature on front cover)
- 1995 Festival infrastructure: Winning design, Membrane design competition. *Shinkenshenku Magazine*, December. [Project feature by K. Velikov & A. Mesaros]
- (1995). Membrane design competition winners: Festival infrastructure (1st place). *Architecture in Japan*, December, 294. [Project feature by K. Velikov & A. Mesaros]
- (1995) Superspace – playing. Tayo Kogyo International Membrane design competition exhibition, Tokyo, Japan, 1995. *Shinkenshenku Magazine*, December 1995. Retrieved (1995)
http://www.taiyokogyo.co.jp/compe/back/back95/prize95/e_news9501.html
 [Membrane competition winners, project feature by K. Velikov & A. Mesaros]

SELECTED CITATIONS OF RESEARCH AND CREATIVE PRACTICE (Velikov/ RVTR)

- 2019 Zarzycki, A., & Decker, M. (2019). Climate-adaptive buildings: Systems and materials. *International Journal of Architectural Computing (IJAC)*, 17(2)166-184. [Citation of Latitudo Borealis]
- Achten, H., (2019). Interaction narratives for responsive architecture. *Buildings*, 9(3), 1-11. [Citation of Resonant Chamber]
- 2018 Heidari Matin, N., & Eydgahi, A. (2018). Technologies used in responsive facade systems: A comparative study. *Intelligent Buildings International*, 9, 66. doi: 10.1080/17508975.2019.1577213 [Citation of Responsive envelopes]
- Romano, R, Aelenei, L, Aelenei, D., & Mazzuchelli, E. (2018). What is an adaptive façade? Analysis of recent terms and definitions from an international perspective. *Journal of Facade Design and Engineering*, 6 (3), 65-76. [Citation of Responsive envelopes]
- 2017 Olatte, C., Ipinza, H., & Hidalgo, A. (2017, April). Adaptive acoustic prototype for multipurpose spaces. *IEEE-RITA*, 160-168. [Citation of Resonant Chamber]
- Youssef, M.M. (2017). Kinetic behavior, The dynamic potential through architecture and design. *International Journal of Computational Methods and Experimental Measurements*, 5 (4), 607–618. [citation of Responsive envelopes]
- 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]
- Kempenaar, A., Westerink, J., Lieropa M., Brinkhuijsena M., & den Brink, A. (2016, May). Design makes you understand' Mapping the contributions of designing to regional planning and development. *Landscape and Urban Planning*, 149, 20-30. [citation of *infra eco logi urbanism*]
- 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 Abascalientes, 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. Peeples, USU; A. Ponte, UdeM.
- 2016 **ACADIA//2016 Posthuman Frontiers: Data, Designers, and Cognitive Machines.**
36th 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: **National Fish and Wildlife Foundation – National Coastal Resilience Fund**
Project Title: *Integrating Nature Based Solutions into a Comprehensive Stormwater Strategy for SE Michigan*

Amount Granted: \$ 499,300 (cost share: \$500,000)

Project Start and End Date: April 2024 – April 2026

U-M Team: [G. Daigger, PI, K. Velikov, J DeGraff CoPIs]

U-M Senior Personnel: [M. Arquero, B. Kerkez, G. Thün.]

Collaborating Institutions: Michigan State University, Wayne State University, Great Lakes Water Authority (GLWA)

Funding Agency: **Robert Wood Johnson Foundation**
Project Title: **Visualizing Racially/Ethnically Concentrated Areas of Poverty and Structural Racism Indicators of Neighborhood Housing, Access, Exclusion, and Health**
Amount Requested: \$ 248,573
U-M Team: [H. Meyer, PI, K. Velikov, CoPI] Lead Applicant: National Community Reinvestment Coalition (NCRC)
Status: *Turned Down*

Funding Agency: **NOAA Office for Coastal Management**
Project Title: **Integrating Nature-Based and Dynamic-Control Measures into a Comprehensive Stormwater Management and Resilience Strategy for Southeast Michigan**
Amount Requested: [LOI] **\$ 75,000,000**
U-M Team: [G. Daigger, PI, B. Kerkez, K. Velikov CoPIs]
Taubman College Senior Personnel: [M. Arquero, R. Goodspeed, G. Thün.]
Collaborating Institutions: Michigan State University, Wayne State University, Great Lakes Water Authority (GLWA), Detroit Water and Sewerage Department (DWSD) the Southeast Michigan Council of Governments (SEMCOG)
Status: *Turned Down*

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. Mueller 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) PIs]
U-M Senior Personnel: [M. Arquero, L. Hoey, M. Norman, A. Sirota, K. Velikov, N. Love, G Daigger.]
International PIs: [W. Yan, KEIO University, Japan, A. Dobbelstein TU Delft, NL, G. Keefe, Queens U, Belfast UK, A. Grichting 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 PIs]

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-PIs]

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. Zelinski 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, PIs]

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. Ropley, 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 PI'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 PIs, 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
[J. 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 Pls]

Funding Source: **University of Michigan Office of Research Small Projects Grant**
Project Title: **Pneusystems: exploring biological pneus 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

2023-present	Becoming Biomass* Design Research Project. <i>(with E. Kripa & S. Mueller)</i> [Commissioned by: SOA UTK Knoxville]
2017-present	Notion Archeological and Ecological Heritage Park Schematic Design* Design development for 32 ha landscape and cultural project incorporating AR technologies at Ahmetbeyli, Turkey. [Archaeology Director: C. Ratté]
2017-2023	Notion Archeological Excavation House Schematic Design* Building and site design of residential and study facilities, Ahmetbeyli, Turkey. [Archaeology Director: C. Ratté]
2018-2022	CommonHealth+ 2.0: Modular Chronic Health Care Facility: Deep Monitoring Project* System design, contract documents and fabrication for U-M / EHI, Jamaica
2018-2020	800 Lasalle Park Dr. Burlington ON* Residential project, Burlington, ON (in collaboration with WilliamsonWilliamson Architects Inc.)

2016-2017	Avalon Village Modular Chronic Health Monitoring Unit, STEMLab and MicroLibrary* Building and site design, Highland Park, MI. (SD Completed)
2016	Post Human Frontiers: Data, Design and Cognitive Machines* Exhibition design: 2016 ACADIA Conference, Ann Arbor, MI.
2015-2016	EXTRACTION* Project Team: Geospatial Analysis and Design Research Exhibition design: Canadian Pavilion, 2016 Venice Biennale of Architecture (in collaboration with OPSYS)
2015-2020	Modular Chronic Health Care Facility Prototyping: Deep Monitoring Project* System design, contract documents and fabrication for U-M / EHI, Jamaica
2015	Jack Layton Ferry Terminal Competition, Toronto. Juried Finalist (in collaboration with Clement Blanchet, Batlle I Roig, ARUP, Adamson Associates, STLA and SMART)
2014-2018	Notion Archeological Site Management Plan and Facilities Design* Design development of landscape and facilities framework plan, Turkey
2014-2015	2524 Woodlawn Rd. Residential renovation, Chicago IL
2014	New Brutalist Image 1949–55* Exhibition design, Tate Britain, UK (Nov 24 2014- Oct 4 2015) (Curators: C. Zimmerman & V. Walsh)
2013	York University, School of Design Facilities evaluation and transformation Study. Toronto, ON
2012-2013	Infra-Eco-Logi Urbanism(e)* Exhibition design and production: Montreal PQ, Toronto ON, New Haven CT, Ann Arbor, MI, Knoxville, TN.
2012-2016	Lodge at Dry Pine Bay Private commission, Alban, ON
2011	Helsinki South Harbor Competition Open international competition, Finland
2009	Beruit House of Art and Culture Open international competition, Lebanon
2008-2009	Latitude Housing System Cold climate mass customized housing strategy , Cherepovets, Russia
2008	Culu Culu Masterplan, Sustainable landscape masterplan and hotel grounds development, Lobos, Argentina
2008	Hidden City Strategic design of Public Festival Infrastructure. Philadelphia, PA (with Peregrine Arts)
2008	Nexus Park City, Invited International Competition, First Place Urban masterplan and housing, Changchun, China
2008-2010	North House Prototype Mass customized solar prefabricated housing system (RVTR / Team North)
2008-2009	Pampas House , unbuilt Private residence, Buenos Aires, Argentina.
2007	Buoyant Aquacology, Venice Lagoon Competition, Open International Competition, Venice, Italy
2007	Ravenous Urbanism Landscape urbanism prototypes for the Toronto Ravine System, Toronto, ON
2007	Coffee Town

		Open Space Strategy and Pedestrian Bridge Design, Changchun, China
2007		Bridging Strata: Plaza de las Tres Culturas (3rd Place) Arquine 9 th Annual International Design Competition, Mexico City, Mexico
2006		Humber River Watershed Cultural Mapping Project Ecosystems, urban interface, and program mapping. Toronto and Region Conservation Authority (TRCA). Humber River, Toronto, ON
2006		Closing the Loop Galapagos: Zero Latitude Sustainable Architecture and Urbanism Open International Competition. Quito Architecture Biennial, Puerto Baquerizo Moreno, San Cristobol, Galapagos
2006		Morningside Park Pavilion Toronto Department of Parks and Recreation, Morningside Park, Toronto, ON
2006-2008		Bluepoint Multiunit Housing (PE Louver Façade System) High performance envelope and shading systems design, Phuket, Thailand (in collaboration with Paul Raff Studio)
2004- 2007	Velikov + Thün Building Studio, Principal	
	Toronto, Ontario	
2005		Jalisco State Library Open international competition, Guadalajara, Mexico
2005		S.W.A.M.P. House (unbuilt) Private residence, Sauble Beach, ON
2005		Robson Road Residence (Seasons House) (unbuilt) Private residence, Flamborough, ON
2005		Flamborough Farm Commercial greenhouse and Tree farm, Flamborough ON
2003-2005		Havendale Residence Private Residential renovation and furnishings, Burlington, ON
2001–2004	architectsAlliance, Senior Designer	
	Toronto, Ontario	
2004		Living City Centre at Kortright Visitor's Centre Expansion & Masterplan, Vaughan ON (design & project Architect)
2002-2004		Fred Kaiser Building, Faculty of Applied Science Electrical and Computer Engineering University of British Columbia (in collaboration with Omicron Eng) (project architect)
2003		Gardiner Expressway Planning Study & Report. WRC, Toronto, Ontario; (project architect)
2001-2003		Dubai Marina, Sanam and Rawdah Towers El Sahab Condominiums, Dubai, UAE (project architect)
2001		Dubai Marina Masterplan and Planning Guidelines. Dubai, UAE (project architect)
2001-2003		Pond Road Student Residence. York University, ON (senior designer)
2001		Centre for Addiction and Mental Health. Limited design competition, Toronto, ON (in collaboration with Perkins + Will / B+H) (competition team leader)
1999-2001	Sterling Finlayson Architects, Associate	
	Toronto, Ontario	
2000		Klein Residence. Prince Edward Island (project architect & associate in charge)

- 2000-2001 **Parc / Downsview Park International Design Competition.**
Toronto ON. (in collaboration with Bernard Tschumi and Dereck Revington Studio) (competition team coordinator – landscape and ecology)
- 2000-2001 **Waterfront West Official Plan;**
Part II & Urban Design Study. City of Toronto, ON(associate in charge)
- 1999-2000 **Branksome Hall**
Master plan and rezoning, Toronto, ON; (associate in charge)
- 1999 **University of Toronto at Mississauga Master Plan.**
Mississauga, ON (associate in charge)
- 1999 **Ryerson Engineering Faculty Building**
Feasibility study, Toronto, ON (project team)
- 1999 **Power Street Redevelopment.**
Redevelopment project, Toronto, ON (associate in charge)
- 1999-2000 **172 John Street. Advertising Agency Offices**
Renovation, Toronto, ON (project architect)

1995-1998 Teeple Architects, Intern Architect

Toronto, Ontario

- 1998 **Bookstore and Entry Pavilion**
Trent University, ON (design team leader, job captain)
- 1997-1998 **South Campus Hall Gateway**
University of Waterloo, ON (design team leader, job captain)
- 1996 **CIBC Bank Branch**
Toronto, ON (project team)
- 1996 **Civello Salon and Spa**
Toronto, ON (project team)
- 1995-1997 **UofT Graduate Student Residence**
Toronto, ON (in collaboration with Morphosis) (design team)
- 1995-1996 **Antibes Community Centre**
North York, ON (project team)
- 1995 **Tippett Library and Resource Centre Renovation**
Toronto, ON (job captain)
- 1995 **Eglinton / Spectrum Public School**
Toronto, ON (project team)
- 1995 **Gateway Public School**
Toronto, ON (project team)
- 1995 **University of Toronto at Mississauga Student Center Competition.**
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 of/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 & 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		MArch: ARC684-2: Graduate Seminar: <i>Theory Since 1989</i> BAS: ARC292: Studio: <i>Urban Housing</i> (Studio Coordinator)
2007-present		MArch: 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		MArch: 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		MArch: ARC2014Y: Studio: <i>Comprehensive Building Project</i> (Studio Faculty)
2005-2006		MArch Thesis Advisor
Fall 2005		MArch: ARC2013Y: Studio: <i>Culture and the Metropolis</i> (Section Coordinator)
Fall 2003		MArch: ARC2013Y: Studio: <i>Culture and the Metropolis</i> (Section Coordinator)
Winter 2003		MArch: 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		BArch: Arch313: Urban Design Studio
Winter 1999		BArch: Independent Studies in Design (Advisor)
Fall 1998		BArch: 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

2019-2023	<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

2023 Low Carbon Building R+D Faculty Workshop 2, University of Michigan (2023, Nov 3) [media post](#)
Accelerating Innovation From Lab to Site Workshop, *Future of Construction Symposium*, Munich, Germany (2023, Sept 15)
Low Carbon Building R+D Faculty Workshop 1, University of Michigan, (2023, June 15) [media post](#)
[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)

2023 *Graduate Studio Reviews*, University of Virginia School of Architecture (2023, Dec 11-12)
Final Studio Review, Florida Atlantic University (2023, Nov 28-30)
Bartlett BPro MArch AD Exam Board. Bartlett, UCL, London, UK (2023, Sept 21)
Advanced Research Studio Review, Carnegie Mellon University (2023, May 6)

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)
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 Effluvia. *ArcDaily*. Retrieved from <http://www.archdaily.com/770533/aeriform-ecologies-an-ecosystem-of-solutions-for-industrial-effluvia> . [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)

2023-2024	Research Policy Committee, Chair Leadership Committee, member Executive Committee, ex-officio member
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 UWSA Co-Operative Education Committee: Organizer of Paths to Practice Co-op student symposium, September 2008 & 2009 (member). University of Waterloo School of Architecture

UNIVERSITY COMMITTEES (University of Michigan)

2024 U-M ARIA Grants Peer Review Committee
2015-present U-M Graham Sustainability Institute Executive Committee (member). Graham Sustainability Institute
2023 U-M Associate Vice President for Campus Sustainability Search (member)
2018 U-M Graham Sustainability Institute Director Search (member). Graham Sustainability Institute
2013-2017 U-M SMART Steering Committee (member). Sustainable Mobility & Accessibility Research & Transformation (SMART)
2012-2013 ArtsEngine Faculty Advisory Council (member). ArtsEngine.
ArtsEngine Faculty National Research Task Force (member). ArtsEngine.
2011-2012 ArtsEngine Faculty Advisory Council (member). ArtsEngine.
ArtsEngine Faculty National Research Task Force (member). ArtsEngine.

PROFESSIONAL OR ACADEMIC ORGANIZATION SERVICE

2023-present Architectural Program Advisory Board, Florida Atlantic University
2020-2022 Vice President. ACADIA
2018-2020 President. ACADIA
2016-2017 Board of Directors (elected member). ACADIA
2010-2011 ACSA International Conference Task Force (member). ACSA
2007-2009 Canada Green Building Council Academic Education Committee (chair) CaGBC
2005-2007 Canada Green Building Council Academic Education Committee (member). CaGBC
2004-2005 Advisory Committee (member). Kortright Living City Center
2003-2018 Intern Architect Mentor. Ontario association of Architects (OAA)

EXTERNAL REVIEWER / REFEREE

2024 Technical Paper Reviewer. ROB|Arch Conference 2024
2023 Technical Paper Reviewer. FABRICATE Conference 2024
Technical Paper Reviewer. ASCAAD 2023 Hybrid Spaces of the Metaverse
Technical Paper Reviewer. ACADIA 2023 Habits of the Anthropocene
Jury Member. EVOLO 2023 International Skyscraper Competition
Technical Paper Reviewer. UIA World Congress of Architects Sustainable Futures Conference 2023
2022 Technical Paper Reviewer. ACADIA 2022 Hybrids and Haecceities
Technical Paper Reviewer. ASCAAD 2022 Hybrid Spaces of the Metaverse
Book Proposal Peer Reviewer. Routledge Taylor & Francis.
2021 Article Peer Reviewer, International Journal of Architectural Computing
Technical Paper Reviewer. ACADIA 2021 Realignments: Toward Critical Computation.
Peer Reviewer. SiGraDI 2021 Designing Possibilities.
2020 Technical Paper Reviewer. ACADIA 2020 Distributed Proximities.
Peer Reviewer. ASCAAD 2021 Architecture in the Age of Disrupted Technologies.
Jury Member. Taubman College Studio Redux Student Competition.
2019 Technical Paper Reviewer. ACADIA 2019 Ubiquity and Autonomy.
Scientific Committee. FABRICATE 2020.
Peer Reviewer. Architecture Science Review.
Peer Reviewer. Journal of Architectural Education JAE 73:2: Work.
2018 Technical Paper Reviewer. ACADIA 2018 Re:calibration.
Scientific Committee. IASS 2018 Symposium.
Grant Peer Reviewer. University of Michigan UMOR Artistic Presentations Grant.
Book Proposal Peer Reviewer. Routledge Taylor & Francis.
2017 Technical Paper Reviewer. ACADIA 2017 Disciplines Disruption.
Technical Paper Reviewer. Design Modeling Symposium.

- Abstract Peer Reviewer. TxA Emerging Design and Technology Conference.
 Grant Peer Reviewer. University of Michigan UMOR Small Project Grant.
 Book Proposal Peer Reviewer. Routledge Taylor & Francis (2 separate manuscripts reviewed)
- 2016 Technical Committee (co-chair). ACADIA 2016 Posthuman Frontiers Conference.
 Grant Peer Reviewer. University of Michigan UMOR Small Project Grants.
- 2014 Jury Member. North Coast Design Competition: Designing Dredge.
 Paper Referee. ZEMCH International Conference.
 Grant Peer Reviewer. University of Michigan UMOR Small Project Grants.
- 2013 Technical Reviewer. ACADIA 2013 Conference.
 Blind Peer Paper Reviewer: Journal of Architectural Education.
 Grant Peer Reviewer: University of Michigan OVPR Small Project Grants.
- 2012 Jury Member. ACSA Creative Achievement Awards.
 Paper Referee. ACSA 101th National Conference, session: Rapid City.
 Grant Peer Reviewer. University of Michigan OVPR Small Project Grants.
- 2011 Paper Referee. ACSA 100th National Conference, session: Open: Urbanism.
- 2010 Paper Referee. ACSA 99th National Conference, session: Water.
- 2009 Jury member. ACSA 2009 Steel Design Awards.
- 2008 Jury Member. ACSA 97th National Conference, Poster Competition.
- 2009 Co-Coordinator and Moderator. CaGBC National Summit, Academia Day: Sustainable Urban Intensification: Social Engagement in Sustainable Development & Education.
- 2008 Co-Coordinator and Moderator. CaGBC National Summit, Academia Day: Scaling Up + Reaching Out.
- 2007 Co-Coordinator and Moderator. CMHC Design Faculty Summit: CaGBC Education Summit –Towards Sustainability: A Canadian Symposium exploring Greening the Curricula.
- 2006 Co-Coordinator and Moderator. CMHC Design Faculty Summit: CaGBC Education Summit - Sustainability, Communities, Education.
- 2005 IDP Workshop Coordinator. CMHC Design Faculty Summit: CaGBC Education Summit – The Integrated Design Process.