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Professor of Architecture
    Taubman College of Architecture and Urban Planning, The University of Michigan

Associate Vice President for Research: Social Sciences, Humanities, and the Arts
    Office of the Vice President for Research, The University of Michigan

Partner / Director of Design Research, RVTR / www.rvtr.com
Current Bio

01 EDUCATION

2005-2007	**University of Toronto, Daniels Faculty of Architecture, Landscape, and Design** Master of Urban Design (M.UD) Post Professional Degree
1990-1996	**University of Waterloo, School of Architecture** Bachelor of Architecture (B.Arch) Professional Degree, 1996 Bachelor of Environmental Studies (B.ES), 1994
1986-1989	**University of Western Ontario** Bachelor of Arts (B.A) Sociology

02 ACADEMIC APPOINTMENTS

University of Michigan, Ann Arbor MI

Office of the Vice President for Research

2021- present	Associate Vice President for Research: Social Sciences, Humanities, and the Arts

Taubman College of Architecture and Urban Planning

2020- present	Professor of Architecture
2020-2021	Senior Associate Dean for Research and Creative Practice
2014-2020	Associate Professor of Architecture with tenure
2014-2020	Associate Dean for Research and Creative Practice
2009-2014	Associate Professor of Architecture (tenure track)

University of Waterloo, Cambridge ON, Canada
School of Architecture

2006-2009	Assistant Professor (tenure track)
2004-2006	Adjunct Assistant Professor
1997-1998	Adjunct Assistant Professor
1996	Adjunct Lecturer

Ryerson University, Toronto, ON Canada
Department of Architectural Science

2011-2015	Adjunct Associate Professor (dry appt. to facilitate international research projects)
2004 Fall	Adjunct Assistant Professor

VISITING FACULTY POSITIONS

	KEIO University, Fujisawa, Japan Faculty of Environment and Information Studies, Graduate School of Media and Governance
2021 Winter	Visiting Professor, Program for Environmental Design and Governance. *online due to Covid-19*
	Dalhousie University, Halifax NS, Canada School of Architecture
2012- 2017	Adjunct Associate Professor, External Reader, Master of Architecture Program
	California College of the Arts, San Francisco, USA School of Design
2013 Summer	Visiting Professor, Master of Architecture Program
	Université du Québec à Montréal, PQ, Canada School of Design
2013 Winter	Visiting Professor, Advanced Studio Workshop: Master of Environmental Design Program
	Freie Universität Berlin / Helmholtz-Zentrum Berlin fur Materialien und Energie, International Solar University, Falera, Switzerland
2011 Summer	Visiting Professor, Solar Energy and Architecture Program
	Ryerson University, Toronto, ON Canada Department of Architectural Science
2010 Summer	Visiting Professor, Master of Architecture Program, Summer Studio, Yeates School of Graduate Studies

03 PROFESSIONAL EXPERIENCE

2007-present	**RVTR** Partner, Director: Design Research
2005-2007	**Velikov+Thün Building Studio** Partner
	Baird Sampson Neuert Architects, Toronto ON.
2002-2005 2000-2002 1998	Associate / Project Architect Project Coordinator / Senior Designer Project Designer
1998-2000	**Dereck Revington Studio** Project Coordinator / Senior Designer
1997	**Auchwicz Birkenau Collaborative (ABC)** Toronto, ON, Graduate Associate / Project Coordinator
1996	**Teeple Architects**, Toronto, ON., Intern Architect
1995	**Hardy Holzman Pfieffer Associates,** New York City, NY., Intern Architect
1994	**Ernest Annau Architect,** Toronto, ON., Intern Architect
1986-1994	**Genesis Building Corporation**

04 REGISTRATION AND PROFESSIONAL ASSOCIATIONS

2004-present	**Canada Green Building Council** (CaGBC)/(USGBC) LEED™ Accredited Professional
2002-2012	**Royal Architectural Institute of Canada** (RAIC), Faculty Member
1998-2010	**Ontario Association of Architects** (OAA), Member

* I do not currently maintain a professional license to practice architecture.

05 HONORS AND AWARDS

RESEARCH, CREATIVE PRACTICE, AND SCHOLARSHIP (Thün / RVTR)

2020	**Technology	Architecture + Design Award for Research Contribution** *Experiments Toward Hyper-Local Reverse Heat Flow Assemblies* ACSA Architecture Education Awards: *Latitudo Borealis*
2017	**AZ Awards Program:** *Winner*: *EXTRACTION*, Award Category: Social Good Pierre Belanger / OPSYS: Curator, RVTR: Design Research and Exhibition Design [Jury: Alessandro Munge, Theo Richardson, Nader Tehrani, Michael Vanderbyl] **Canadian Society of Landscape Architects (CSLA/AAPC), National Award of Excellence** *EXTRACTION*, Award Category: Design Communication, Risk and Resilience Pierre Belanger: Curator, RVTR: Design Research and Exhibition Design
2016	**Architect Magazine***, R&D Award Program,* *infundibuliforms* (Wes McGee, Geoffrey Thün & Kathy Velikov) *Honorable Mention* [Jury: Mic Patterson, Doug Stockman, and Elizabeth Whittaker]
2015	**Canada Council for the Arts: 2016 Venice Biennale of Architecture** Pierre Belanger: Curator, RVTR: Design Research and Exhibition Design [Jury: Peter Buchanan, Lise Anne Couture, Léa-Catherine Szacka] **Jack Layton Ferry Terminal Competition, Toronto***.* *(RVTR in collaboration with Clement Blanchet, Batlle I Roig, ARUP. Adamson Associates, STLA):* *Finalist* [Jury: Donald Schmitt, Claude Cormier, Antonio Gomez-Palacio, Pina Petricone, Sevaun Palvetzian]
2014	**TEX-FAB Plasticity Competition** *Pneusystems* : *Honorable Mention* [Jury: Benjamin Ball, Alvin Huang, Virginia San Fratello, Ken Tracy, Christine Yogiaman, Joshua Zabel] **ACSA Faculty Design Award** *Infra-Eco-Logi Urbanism* (Geoffrey Thün & Kathy Velikov) *Honorable Mention* (Jury: John Enright, David Hinson, Sheila Kennedy]
2013	**Journal of Architectural Education** *Best Design as Scholarship Article Award* Association of Collegiate Schools of Architecture Faculty Awards Program: *Thick Air* **Architizer A+ Award Program** Architecture + Sound Category: Jury Award and Popular Choice Award *Resonant Chamber* (RVTR / ARUP)
2012	**ACSA Faculty Design Award** *The Stratus Project:* (Geoffrey Thün & Kathy Velikov) [Jury: Nader Tehrani, Mo Zell, Gregory Luhan, Tom Buresh]
2011	**Evergreen Awards: Special Jury Award** Eco-Structure Magazine: *North House Project* (Team North / RVTR) **Award of Excellence for Innovation in the Practice of Architecture** Royal Architectural Institute of Canada: (RVTR) **Life at the Speed of Rail Competition** Van Allen Institute: *Conduit Urbanism* (Geoffrey Thün & Kathy Velikov) *Honorable Mention* [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* *North House Responsive Envelope Prototyping* (Team North / RVTR) [Jury: Frank Barkow, Cristobal Correa, Jenny Wu] **Ontario Association of Architects (OAA) Design Excellence Award***,* *North House Project* (Team North / RVTR)

2009	**Canada Council for the Arts: Professional Prix de Rome in Architecture** National Juried Portfolio and Project Award (RVTR)
	Innovation in Architecture Award – Honorable Mention Royal Architectural Institute of Canada Bluepoint Louver Façade System (Paul Raff Studio/ Thün)
	Twenty + Change 02 Selected Firm for Biannual National Exhibition of Emerging Canadian Architecture (RVTR)
2008	**Living Steel Extreme Housing Limited Invited Competition** *'Latitude Housing System'*: Cherepovets, Russia *Honorable Mention* (RVTR) [Jury: Glenn Murcutt, Patricia Patkau, Mark Middleton, Kimmo Lintula, Sergey Skuratov, Alexei Venediktov]
	University of Waterloo, Faculty of Engineering *Outstanding Faculty Researcher Award*
	Young Architect's Forum Award The Architectural League of New York: Kathy Velikov & Geoffrey Thün (RVTR) [Jury: Karen Fairbanks, Mark Robbins, Jesse Reiser]
2007	**9th Annual Arquine Urban Design Competition - Third Place** *Plaza de las tres Culturas: Bridging Strata* (RVTR) [Jury: Humberto Ricalde, Russel Rudzinsky, Margarita Flores, Arturo Aispuro, Carlos Ferrater]
2006	**University of Toronto**: Ontario Graduate Scholarship Award
2005	**Canadian Architect Award of Excellence** *S.W.A.M.P House,* (Velikov+Thün *Building Studio*)
	University of Toronto: Academic Fellowship
2000	**Toronto Society of Architects (TSA)** Toronto Harborfront Ideas Competition: First Place (Velikov+Thün *Building Studio*)
1996	**University of Waterloo School of Architecture**: A.I.A. Medal for Academic Excellence
1994-1995	**University of Waterloo School of Architecture**: Smale Fellowship

JURIED AWARDS AND HONORS FOR DESIGN: Career with other professional practices *
* See Section 9 for project-specific roles while employed at other practices on projects identified below.

2019	**Toronto Urban Design Awards (TUDA):** *Award of Excellence,* *The Luminous Veil* (Dereck Revington Studio)
2010	**Governor General's Award of Excellence** *French River Provincial Park Visitor Centre* (Baird Sampson Neuert Architects)
2008	**A.I.A. Institute Honor Awards for Architecture** *Thomas L. Wells Public School* (Baird Sampson Neuert Architects)
	Canadian Museums Association (CMA) Award for Outstanding Achievement *French River Provincial Park Visitor Centre* (Baird Sampson Neuert Architects)
2007	**Ontario Association of Architects (OAA) Award of Excellence,** *French River Provincial Park Visitor Centre* (Baird Sampson Neuert Architects)
	Building Magazine, Outside the Box Awards: Architecturally Innovative Building Category *French River Provincial Park Visitor Centre* (Baird Sampson Neuert Architects)
	Building Magazine, Outside the Box Awards: Green Building Design Category: *Thomas L. Wells Public School* (Baird Sampson Neuert Architects)
	Toronto Urban Design Awards (TUDA): *Award of Excellence* *Thomas L. Wells Public School* (Baird Sampson Neuert Architects)
2006	**RAIC Governor General's Medal for Architecture** *Erindale Hall, UofT at Mississauga* (Baird Sampson Neuert Architects)

Design Exchange Awards, Silver, Architecture: Commercial Category
French River Provincial Park Visitor Centre (Baird Sampson Neuert Architects)

Ontario Wood Council Award of Excellence: Small Institutional Category
French River Provincial Park Visitor Centre (Baird Sampson Neuert Architects)

City of Toronto Green Awards: *Green Design Category*
Thomas L. Wells Public School (Baird Sampson Neuert Architects)

DesignShare, Citation Award
Thomas L. Wells Public School (Baird Sampson Neuert Architects)

2005   **Canadian Architect Award of Excellence**
Thomas H Wells Public School (Baird Sampson Neuert Architects)

Canadian Architect Award of Excellence
French River Provincial Park Visitor Centre (Baird Sampson Neuert Architects)

Ontario Ministry of Energy - Provincial Leadership Award
Thomas L. Wells Public School (Baird Sampson Neuert Architects)

Ontario Concrete Association: Award of Architectural Merit
French River Provincial Park Visitor Centre (Baird Sampson Neuert Architects)

2004   **Ontario Association of Architects (OAA) Award of Excellence,**
Erindale Hall, University of Toronto at Mississauga (Baird Sampson Neuert Architects)

City of Mississauga Urban Design Award,
Erindale Hall, University of Toronto at Mississauga (Baird Sampson Neuert Architects)

2003   **Canadian Architect Award of Excellence,**
Erindale Hall, University of Toronto at Mississauga (Baird Sampson Neuert Architects)

Toronto Urban Design Awards (TUDA): *Award of Excellence,*
Prospect Cemetery Mausoleum (Baird Sampson Neuert Architects)

2003   **Ontario Association of Architects (OAA) Award of Excellence,** *Honorable Mention:*
298 Sackville Keyhole Lot Infill Housing (Baird Sampson Neuert Architects)

CISC Steel Design Awards, *Award of Excellence - Engineering Category:*
The Luminous Veil (Dereck Revington Studio)

CMHA (Canadian Mental Health Association), *Achievement Award:*
The Luminous Veil (Dereck Revington Studio)

2001   **City of Mississauga Urban Design Award,**
Erindale Phase VI Student Residence, University of Toronto at Mississauga (Baird Sampson Neuert Architects)

Ontario Association of Architects (OAA) Award of Excellence, *Honorable Mention,*
Erindale Phase VI Student Residence, University of Toronto at Mississauga (Baird Sampson Neuert Architects)

Ontario Association of Architects (OAA) Award of Excellence,
Prospect Cemetery Mausoleum (Baird Sampson Neuert Architects)

Toronto Urban Design Awards (TUDA): *Award of Excellence*
298 Sackville Infill Housing (Baird Sampson Neuert Architects)

2000   **Canadian Architect Award of Excellence,**
Prospect Cemetery Mausoleum (Baird Sampson Neuert Architects)

1999   **Canadian Architect Award of Excellence,**
The Luminous Veil, Prince Edward Viaduct Toronto (Dereck Revington Studio)

Prince Edward Viaduct Safety Barriers
First Prize, Open National Design Competition
The Luminous Veil, Prince Edward Viaduct Toronto (Dereck Revington Studio)

06 SCHOLARLY WORK

BOOK VOLUMES

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 Decathlo*n. Cambridge, ON: Riverside Architectural Press/ CDRN.

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.

BOOK CHAPTERS

2022 Velikov, K., & Thun, G. (2022). Infrastructural Hybrids. In M. el Khafif & S. McDowell (eds.), *Next Cities Series: Next New York*. [118-139]. New York: ORO Publishers.

Velikov, K., & Thun, G. (2022). CH 3.5 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*. (263-275) 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 Thün, G., & Velikov, K. (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 Dobbelsteen (eds.), *Sustainable Energy Landscapes* (261-284). London: CRC Press / Taylor & Francis.

Velikov, K., Ripley, C., & 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   Thün, G. (2007). On Translation, Intuition, and the Potency of Sonic-Spatial Relations. In R. Colin, M. Polo, A. Wrigglesworth (eds.), *In the Place of Sound* (99-112). Cambridge UK: Cambridge Scholars Press.

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.

Thün, G. (2007). Mapping the Wild: Emergent Ecosystems within Toronto's Western Rail Corridor. In A. Blackwell (ed.), *Toronto's Urban Unconscious* (22-28). Toronto: University of Toronto / Coachouse Press.

PEER REVIEWED ACADEMIC JOURNAL ARTICLES

2023   Sanyal, T., Thün, G., (2023). What does it mean for urban life to see livestock grazing in post-industrial American cities? *AMPS: Architecture, Media, Politics, Society,* (in revisions)

2022   ten Caat, P. N., Tenpierik, M. J., Sanyal, T., Tilie, N., van den Dobbelsteen, A. A. J. F., Thün, G., Cullen, S., Nakayama, S., Karanisa, T., & Monti, S. (2022). Towards fossil free cities–Emission assessment of food and resources consumption with the FEWprint carbon accounting platform. *Cleaner Environmental Systems*, 4. (100074), 1-26

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,* Vol 18, 83-90.

2018   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   Batterman, S. Su, F.-C, Wald, A., Watkins, F., Godwin, C., & Thün, G. (2017). Ventilation Rates in Recently Constructed US School Classrooms. *Indoor Air,* 27 (5), 880-890.

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.

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.

2012   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.

Velikov, K., Thün, G., & Ripley, C. (2012). Thick Air. *Journal of Architectural Education (JAE)*, *Special Issue: Beginning Design*, 65 (2), 69-97.

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.

JOURNAL / PERIODICAL ARTICLES

2020   Thün, G., (2020). Re-scripting Design Ecologies: Plausible Futures for Architectural Education. *Urban Environment Design (UED) Magazine, Special Issue: Contemporary Architectural Education.* 122-124.

2018   Velikov, K., & Thün, G. (2018). Concrete Politics: How the Rio Grande came to separate the U.S. and Mexico, *Border Operations, The Architect's Newspaper*, 24 (July/August), 24

2016   Briscoe, D., Daas, M., Jabi. W., Luhan, G., & Thün, G. Sentience and systems boundaries in architecture. *International Journal of Architectural Computing (IJAC),* 14 (1), 3-5.

2013   Velikov, K., Thün, G., & McTavish, D. (2013). Fragmentary Utopistics: Towards a Manifesto for a Megaregional Public. *Think Space Pamphlets, 2nd Edition* (February), 122-138.

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. *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.

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.

PROCEEDINGS AND PUBLICATIONS FROM PEER-REVIEWED CONFERENCE PRESENTATIONS

2020   Thün, G., & Velikov, K. Rethinking the Design and Delivery of Social Infrastructure- A Systems Based Methodology and Proposition In: R. Lastman (ed.), *AMPS Proceedings Series 19.1. The City and Complexity – Life, Design and Commerce in the Built Environment* (388-399) London, UK: AMPs

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   Tish, D., Junghans, L., Brugmann, D., & Thün, G. (2017). Latitudo Borealis. In, J. Lamere & C. Parreño Alonso (eds.), *Disciplines & Disruption: Projects Catalog of the 37th Annual Conference of the Association for Computer Aided Design in Architecture* (262-267). Cambridge, MA: ACADIA.

McGee, W., Thün, G., Velikov, K., & Tish, D. (2017). Infundibuliforms: Kinetic Systems, Additive Manufacturing for Cable Nets, and Tensile Surface Control. In A. Menges, B. Scheil, R. Glynn, & M. Skavara (eds.), *FABRICATE: Rethinking Design and Construction* (84-91). London, UK: UCL Press.

2016   Velikov, K., & Thün, G. (2016). Protean Prototypes: Assembling Urban Platforms for Appropriation. In R. Corser & S. Haar (eds.), proceedings of *Shaping New knowledge, ACSA 104th Annual Meeting* (423-436). Washington D.C., USA: ACSA Press.

2015   Velikov, K., Thün, G. & Ripley, C. (2015). 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.

2014   Thün, G., & Velikov, K. (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). Cambridge, ON: ACADIA.

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., Sauvé, 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). Cambridge, ON: 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   Thün, G. & Velikov, K. (2009). Latitude Housing | North House Prototype: Prefabricating Building Integrated Phototvoltaic 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.

2008   Thün, G. (2008). Ravenous Urbanism. In D. Froehlich, & M. Pride (eds.), proceedings of *Seeking the City: Visionaries on the Margins, 96th ACSA Annual Meeting* (282-290). Washington D.C.: ACSA Press.

2007   Ripley,C., & Thün, G. (2007). Interdisciplinary Translation: Sonic Practices as Pedagogical Tools in the Architecture Design Studio. In J. Bing & C. Veikos (eds.), proceedings of *Fresh Air, ACSA 95th National Meeting (*378-385). Washington D.C.: ACSA Press.

2006   Thün. G. (2006). Translation and Permission. In C. Ripley, M. Polo, & A. Wrigglesworth (eds.), *Architecture/Music/Acoustics: Proceeding of the 2006 AMA Conference* (67-70). Toronto, ON: REAL.

CONFERENCE PROCEEDINGS EDITED

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

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.

TECHNICAL RESEARCH REPORTS

2022   Thün, G., Velikov, K., Boyer, B., Harp, G. (2022), Just Mobility Intersections: A Research Roadmap. *Ford Motor Company, 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., & Zielinski, S. (2016). Mapping New Mobility Business, Innovation, and Employment Opportunities in Michigan: Developing a Data-Driven Graphical Platform for Assessing and Advancing Industry Cluster Development and Entrepreneurship Opportunities in Urban Regions. *NEXTRANS Project No. 129UMY2.1: USDOT Region V Regional University Transportation Center Final Report.*

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.*

J. Levine, J Grengs, S. Zielinski, G. Thün. Accessibility-Based Evaluation of Transportation and Land-Use Planning: From Laboratory to Practice*. NEXTRANS Project No. 135UMY2.1: USDOT Region V Regional University Transportation Center Final Report.*

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   Sanyal, T. & Thün, G., (2022, June 28-30). What does it mean to see cows grazing in American cities? Reintroducing livestock in Post-Industrial shrinking cities and its impacts on urban life. at *Cultures, Communities and Design.* Calgary CA. University of Calgary / AMPS.

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.

2020   Thün, G. & Velikov, K., (2020, June 17-19). Rethinking the Spatial Delivery of Social Infrastructure: A Systems Based Methodology and Proposition. at *The City and Complexity – Life, Design and Commerce in the Built Environment.* London, UK: University of London / AMPS. *virtual presentation due to Covid-19*

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   Tish, D., Junghans, L. Brugmann, D., & Thün, G. (2017, November 2-4). Latitudo Borealis. Project Poster at *Disciplines & Disruption: 37th Annual Conference of the Association for Computer Aided Design in Architecture.* Cambridge, MA: ACADIA.

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.

Thün, G., Wald, A., Batterman, S. F Su, F. Watkins, L. Zhong, Godwin, C. J. Wineman, & C. Somers. (2016, September 22-24). Indoor Environmental Quality in Public Schools: Repositioning Health at the Nexus of Design and Operation. Presented *at Building for Health and Well Being: 2016 ACSA /*ASPPH Fall Conference. Manoa, HI: ACSA / ASPPH.

Batterman, S., Thün, G., F Su, S., Wald, A., Watkins, F., Zhong, L., Godwin, C., Wineman, J., & Somers, C. (2016, September 22-24). Indoor Environment in Schools: Comparing Conventional and High Performance Schools. Presented at *14th Annual International Conference of Indoor Air Quality and Climate*. Ghent, BE: IA

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.

Thün, G. (2014, June 24-26). Infra-Eco-Logi Urbanism: Rethinking How Renewable Energy and New Mobility Might Shape Urban Form in the Great Lakes Megaregion. Presented at *Adaptation in the Great Lakes Region Conference*. Ann Arbor, MI: University of Michigan.

Thün, G. Infra-Eco-Logi-Urbanism. (2014, April 9-11). Presented at Faculty Design Awards, *Special Focus Session: Globalizing Architecture/ Flows and Disruptions, 102nd ACSA Annual Meeting.* Miami, FL: ACSA.

2013   Thün, G. (2013, December 5-6). Integrated Responsive Building Envelopes. Presented at *Advanced Building Skins, 8th Annual European Energy Forum*. Bressanone, IT: European Energy Forum.

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., Thün, G., Barhydt, L., Bartram, 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   Thün, G., & Velikov, K. (2009, December 2-4). Latitude Housing | North House Prototype: Prefabricating Building Integrated Phototvoltaic Envelopes for Energy Positive Housing Design in Northern Climates. Presented at *Solar Architecture & Urban Planning, 4ᵗʰ Annual European Energy Forum*. Bressanone, IT: European Energy Forum.

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., 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. (2008, June 28-30). Topography and Ephemera. Presented at *35th Conference of the Society for the Study of Architecture in Canada (SSAC)*. Yellowknife, NWT: SSAC.

Thün, G. (2008, June 20). Complex Collaboration as a Lever for Design Research Innovation. Presented at *Deep Matters, 2008 AIA/ACSA Teacher's Seminar*. Bloomfield Hills, MI: Cranbrook Academy of Art.

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.

Thün, G. (2008, March 27-30). Ravenous Urbanism. Presented at *Seeking the City: Visionaries on the Margins, 96th ACSA Annual Meeting*. Houston, TX.: ACSA.

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.

2007 Ripley, C., & Thün, G. (2007, March 8-11). Interdisciplinary Translation: Sonic Practices as Pedagogical Tools in the Architecture Design Studio. Presented at *Session: Interdisciplinary Practices in Architectural Education*, *Fresh Air, 95th ACSA Annual Meeting*. Philadelphia, PA: ACSA.

2006 Thün, G. (2006, June 8-10). Translation and Permission. Presented at *Architecture/Music/Acoustics, 2006 AMA Conference*. Toronto, ON: Ryerson University.

INVITED LECTURES AND PRESENTATIONS, LECTURE SERIES AND KEYNOTES

2022 (2022, November 10). From Matter to Territory. Presented at *Fall 2022 Lectures Series*. Syracuse NY. The Syracuse University School of Architecture.

2021 (2021, February 27). From Matter to Territory. Presented at *Spring 2021 Lectures Series*. College of Architecture and Planning, University of Colorado Denver. *virtual presentation due to Covid-19*

2020 (2020, March 2). Envelope[s]: Mediating Environments. Presented at *TECHNO: Spring 2020 Lectures and Events Series*. Betts Auditorium, School of Architecture, Princeton, NJ: School of Architecture, Princeton University.

2019 (2019, October 23). Re-Scripting Urban Ecologies. Presented at *2019 Urban Planning Lecture Series*. Tianjin, CN: School of Architecture, Tianjin University.

(2019, September 30). Re-Scripting Design Ecologies. Presented at *Public Lecture Series*. Philadelphia, PA: College of Architecture and the Built Environment, Philadelphia University & Thomas Jefferson University.

2018 (2018, May 29). infra eco logi urbanism: A Project for the Great Lakes Megregion. Invited keynote in *Polycentricity & Multi-scale Models* at *Transforming City Regions III: From Walled City to the Integrated City*. Zeche Zollverein, Essen, DE: TU Dortmund, Fakultät Raumplan, Städtebau und Bauleitplanun.

(2018, May 16). Re-Scripting the Urban: System, Structure Code. Presented at *City of Flows, International Research Conference*. Sydney, AU: University Technology Sydney.

(2018, May 1). Beyond Technology: Reprioritizing Urban Life amidst a Torrent of Technological Speculation. Presented at *Autonomous Vehicles, Smart Cities and our Collective Futures*, *Urban Land Institute National Spring Meeting*. Detroit, MI: Urban Land Institute.

(2018, February 22). It All Depends. Presented at *The Future of Cities and Real Estate in the age of Autonomous Vehicles*, Urban Land Institute Chicago Chapter. 353 N. Clark Street, Chicago, IL: Urban Land Institute.

(2018, February 15). Plausible Futures: Approaching Architecture and Urban Design from a Complex Systems Perspective. Presented at *2018 OLLI Lecture Series: Architecture: Shaping Buildings, Shaping Us*. Ann Arbor, MI: Osher Lifelong Learning Institute, University of Michigan.

2017   (2017, November 16). Re-Scripting Urban Ecologies. Presented at *Public Lecture Series: School of Architecture*. Syracuse, NY: Syracuse University.

(2017, May 15). Possible Futures: Nantong Central Innovation District. Presented at *Science and Technology Park*. Nantong, CN: Nantong High-Tech Industrial Development Zone.

(2017, March 21). RVTR: Design[ing] Ecologies. Presented at *School of Architecture Lecture Series*. Halifax, NS: Dalhousie University.

(2017, February 28). RVTR: Responsive Envelopes and Design Research Futures. Presented at *Doctoral Program Series*. Sydney, AU: University of Technology Sydney.

(2017, February 2). Regional Wood Futures: Why innovation matters and where are the frontiers? Presented at *Michigan Forest Bioeconomy Conference*. Grand Rapids, MI: L.V. Eberhard Center.

2016   (2016, October 20). Deep Monitoring: Leveraging Logistics. Presented at *4th Annual International Speakers Series*. Ann Arbor, MI: Kellogg Eye Center, University of Michigan.

(2016, September 16). EXTRACTION: Deconstructing Canada at the Venice Biennale. Presented at *Fall Lecture Series*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan.

2015   (2015, October 5). Why Infra-Eco-Logi?: Regional Systems, Complex Synergies. Knoxville, TN: Ewing Gallery of Art and Architecture, University of Tennessee.

(2015, June 1). Cascading Scales of Sustainability in the Built Environment. Presented at *TJU / U-M Joint Forum on Research*. Tianjin, CN: Tianjin University.

(2015, April 21). High Performance: Design and Health. *Healthy Schools: Environmental Factors, Children's Health and Performance, and Sustainable Building Practices*. Arlington, VA: US EPA Conference Center.

2014   (2014, October 14). InfraEcoLogi Urbanism. Presented at *Public Lectures*. Cambridge, ON: School of Architecture, University of Waterloo.

(2014, April 16). InfraEcoLogi Urbanism. Presented at *Spring Lecture Series*. Wageningen, NL: Wageningen University and Research Center.

(2014, March 17). Responsive Envelopes. Presented at *School of Architecture Lecture Series*. Halifax, NS: Dalhousie University.

2013   (2013, March 8). On Responsive Envelopes. Presented at *2013 Winter Lecture Series*. Milwaukee, WI: School of Architecture and Urban Planning, University of Milwaukee.

(2013, March 5). Projective Research in the Great Lakes Megaregion: Sheds, Synergies and Speculations. Presented at *2013 Winter Lecture Series*. Southfield, MI: Lawrence Technical University.

(2013, February 7). InfraEcoLogi Urbanism(e). Montréal, PQ: École de Design, Université du Québec à Montréal.

2011   (2011, August 23). Recalibrating Relations: High Performance Environments and Responsive Controls. *Energy and Environment Lecture Series*. Falera, CH: La Fermata Conference Centre.

(2011, June 11). Responsive Envelopes & Energy Harvesting Building Skins. Singapore: Department of Building, National University of Singapore.

(2011, April 12). Re-imagining Sustainable Dwelling – How Technological Integration May Reshape Domestic Life. Presented at the keynote address: 2011 *HSH The Sustainable Home Design Awards Gala*. Toronto, ON: Ontario GreenSpec.

2010   (2010, September 23). High Performance Prefab: Integrating Occupant Responsive Envelopes. Presented at *2010 Architect Magazine R&D Symposium*. Chicago, IL: Architect Magazine.

(2010, August 28). RVTR: Recent Work. Presented at *2010 Visiting Lecture Series*. Reykjavík, ISL: Department of Design and Architecture, Iceland Academy of the Arts (IAA).

(2010, August 23). RVTR: matters of concern. Presented at *bareKRAFTIGarkitektur Summer Lecture Series*. Trondheim, NO: Norwegian University of Science and Technology (NTNU).

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(2010, January 13). RVTR: matters of concern. Presented at *Economies Lecture Series.* Columbus, OH: Knowlton School of Architecture, Ohio State University.

2009   (2009, October 15). High Performance Residential Building Systems. Presented at *AIA Chapter Event*, *Invited Speaker.* US Mathematics Institute, Washington, DC: AIA.

(2009, August 5). Latitude Housing System / North House Prototype. Presented at the *Invited Speaker Series.* Toronto, ON: Autodesk Headquarters, Sustainable Buildings Canada.

(2009, May 19). North House Project(ions). Presented at *2009 Energy Futures Available Today Conference* Waterloo, ON: Centre for International Governance Innovation (CIGI).

(2009, March 19). North House Project. Toronto, ON: Ryerson University Faculty of Architecture.

2008   (2008, November 24). RVTR: matters of concern. Halifax, NS: Dalhousie University.

(2008, January 25). RVTR: matters of concern. Presented at *Arriscraft Lecture Series*. Cambridge, ON: University of Waterloo.

(2008, March 10). Topography and Ephemera. Ann Arbor, MI: Taubman College of Architecture and Urban Planning, University of Michigan.

(2008, March 3). Ground Operations. Mississauga, ON: Sheridan College.

2006   (2006, May 16). Grounding: The Terrain of Encounter. Presented at *Arriscraft Lecture Series.* Cambridge, ON: University of Waterloo.

(2006, February 16). Grounding: The Terrain of Encounter. Buffalo, NY: State University of New York.

INVITED PRESENTATIONS AT SYMPOSIA, PANELS, WORKSHOPS

2022   [2022, Nov 8]. "Reassembling the City": *650 Design Research Workshop,* Syracuse NY: The Syracuse University School of Architecture. *virtual presentation*

[2022, Nov 2]. "Biomass Pasts / Lignin Futures": *Regional Globalism in the Tennessee Valley,* Knoxville, TN: University of Tennessee

[2022, April 1-2]. Design Team Participant: *Regional Globalism in the Tennessee Valley,* Knoxville, TN: University of Tennessee

[2022, March 23]. Presenter: FEW Nexus Systems as Drivers for Equity: The Case for Detroit at *JPI Urban Europe / Sustainable Urbanisation Global Initiative (SUGI) / Food-Water-Energy Nexus. virtual presentation due to Covid-19*

2021   [2021, February 26]. Respondent: Human Habitat Experience at *Building the Future Seminar.* w/ Carlo Ratti (MIT), Kenichi Soga (UC Berkeley), Ann Arbor MI: University of Michigan. *virtual presentation due to Covid-19*

2020   [2020, November 16]. Roundtable Discussant: Public Space and Collectivity. Presented at *#Urbanism Beyond Corona.* San Francisco, CA: California College of the Arts. *virtual roundtable due to Covid-19*

[2020, October 25]. Responsive Envelopes: Feedback Loops. Sensing, Simulation, Fabrication and Actuation. Presented at *Design Research: Tools & Methods Workshop.* Waterloo, ON: University of Waterloo. *virtual workshop due to Covid-19*

[2020, June 11-12]. w/ K. Velikov and M. López-Dinardi, Border Consortium Workshop (Tijuana MX / San Diego, CA) Working Group Leaders: *Trading Borders* at *ACSA 108th Annual Meeting : Open.* San Diego, CA: ACSA. *virtual workshop due to Covid-19*

[2020, May 6]. w/ J. Lynch, Urban Collaboratory and CAV Living Labs in Cities. Presented at *mCity Leadership Circle General Session* meeting. Ann Arbor, MI: University of Michigan. *virtual presentation due to Covid-19*

[2020, March 5]. w/ R. Roggema, FEW Instruments and Multiple Scales of Urban Design Innovation. Presented at *SUGI FWE Nexus International Workshop.* Groningen NL: Hanze University of Applied Sciences, Groningen. *virtual presentation due to Covid-19*

(2020, February 21). Operating through temporalities of territory and social infrastructure. Presented at *Emerging Urbanisms in De-Industrializing Urban Regions*. Session: [design] where you least expect it... Ann Arbor MI: University of Michigan.

(2020, February 13). Energy + Climate | Design + Research. Presented at *Smart and Sustainable Cities Workshop*, National Research Facility for Infrastructure Sensing (NRFIS), Civil Engineering Building, Cambridge, UK: University of Cambridge

2019   (2019, November 5). Food Water Energy Systems as Social Infrastructure: Detroit. Presented at *SUGI FWE Nexus International Workshop*. Richmond, NSW, AU: Western Sydney University.

(2019, October 25). Design Pedagogies in an Era of Complex Systems. Presented at *Critical Reflection on Architectural Education Symposia*. Tianjin, CN: Science Library Auditorium, Tianjin University.

(2019, March 29). 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, February 25-26). M-NEX Research Project and Living Labs: Detroit. Presented at *SUGI FWE Nexus International Workshop*. Doha, QA: Qatar University.

2018   (2018, October 14). The Food Water Energy Nexus in Detroit: Vacancy, Potential and Policy: Building Community Capacities. Presented at *SUGI FWE Nexus International Workshop*. Belfast, UK: Queens University.

(2018, August 21). Plausible Futures: On Shaping Future Cities, Design Research and mCity Initiatives. Presented at *mCity Leadership Circle General Session* meeting. Ann Arbor, MI: University of Michigan.

(2018, March 15). (re)Designing Mobility Infrastructures for Equitable Access. Presented at *The Future of Transportation – Engineering Systems to Enhance Equity*, panel at *The Road Out of Poverty: A Transportation and Economic Mobility Symposium*. Ann Arbor, MI: Michigan League, University of Michigan.

2017   (2017, November 7). Third Coast Atlas: Prelude to a Plan. Presented at *Booklaunch and Lecture*. Ann Arbor, MI: Taubman College of Architecture and Urban Planning,

(2017, August 31). Representation of jurisdictional complexity in evaluating food-energy-water nexus challenges from the region to the city scale. Presented at *FWE Nexus Research Workshop*. Tokyo, JP: KEIO University.

2015   (2015, November 2). Design-Research Practice. Knoxville, TN: University of Tennessee College of Architecture and Design.

(2015, February 6). New Mobility Mapping: Instruments, Disruptive Technologies and Economies. Presented at *Transportation Research Board of the National Academies*. Los Angeles, CA: TRB, The National Academies of Science Engineering Medicine.

2014   (2014, April 17-18). Invited Panelist: Design Symposia to evaluate potential futures for the regional logistics, energy and mobility systems. Arnhem - Doorwerth, NL: Duurzame Transportcorridor Betuwe (DTB).

(2014, March 4). InfraEcoLogi Urbanism. Presented at *Gallery Talk.* Toronto, ON: Ryerson University.

(2014, February 26). Mapping the New Mobility Economy. Presented at *Ford URP Research Project Presentation Series*. Dearborn, MI: Ford Research and Innovation Center.

2013   (2013, October 25). North House Responsive Systems. Presented at *Special Project Tour and Workshop - Adaptive Architecture: ACADIA 33rd Annual Conference*. Cambridge ON: ACADIA.

(2013, March 27). Framing the Megaregion: Political, Ecological, Social, Cultural and Sustainable Frameworks. Panel session with Directeur B. Bergmann (moderator), Profs. U. Lachapelle, P. Lupien, D. Pearl, É. Weiss-Altaner, & G. Thün. Montréal, PQ: Centre de Design, Université du Québec à Montréal.

2012   (2012, October 11-12). Curricula and Façade Innovation. Invited Panelist at *Collaboration: Façades and Innovation*. Chicago, IL: Illinois Institute of Technology (IIT).

(2012, Jul 26-27). Responsive Envelopes. Presented at *NSF Workshop on High Performance Buildings*. Chicago, IL: University of Illinois at Urbana-Champaign, Offices of Perkins & Will

(2012, May 23). Peri-Urbanism. Invited Panelist. Berlin, DE: Architekturforum Aedes, Aedes Pfefferberg.

2011	(2011, December 12). On Mapping. Presented at *Michigan Regional Connect and Prosper Partners Meeting*, Ann Arbor, MI: MASC MAHS
	(2011, October 22). Wireless Interface Systems in the Built Environment: Research Projections. Presented at *WIMS^2 Wireless Integrated Micro Sensing & Systems Annual Industrial Advisory Board Meeting.* Ann Arbor MI: Lurie Engineering Center, University of Michigan.
	(2011, October 14). Landscape and Reclamation. Invited Panelist. Toledo, OH: Department of Art, University of Toledo.
	(2011, April 7-9). Transforming Transportation through Design. Workshop Leader for *Summit on Transforming Transportation: Economies and Communities*. Detroit, MI: UMTRI, University of Michigan.
	(2010, April 6). Design Intelligence and Possible Urban Futures. Panelist at Rethinking Sustainability: *Rust Belt to Artist Belt III, Cultivating Talent and Innovation to Transform Post-Industrial Cities*. Detroit, MI: Name of the organization.
2010	(2010, May 18). 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.
2009	(2009, January 29). 401 Futures. Toronto, ON: Faculty of Engineering, University of Toronto,
2008	(2008, November 28). Post- Carbon Highway. Presented at *Fuel Conference: AbC/ Talk 20 Forum.* Toronto, ON: Daniels Faculty of Architecture, Landscape, and Design.
2007	(2007, October 1). Toronto: Morphology, Master planning and Morphogenesis. Toronto, ON: John H. Daniels Faculty of Architecture, Landscape and Design, University of Toronto.
	(2007, June 2). Fluid Geology: Topographic Inflections. *Talking	On Water Series.* Toronto, ON: *on|site* magazine.

REFEREED EXHIBITIONS OF DESIGN WORK (Thün / RVTR)

2016   **15th Venice Architecture Bienalle,** *Reporting from the Front*
         Location: La Giardini, Venezia, IT (May 28 – Nov 20 2016)
         EXTRACTION: Canadian Pavilion
         [RVTR *in collaboration with OPSYS (P. Belanger Curator), Nina Marie Lister et al.*]

2015   **Jack Layton Ferry Terminal Competition, Toronto**. *Public Exhibition of Selected Finalist Schemes.*
         Location: Toronto City Hall, ON (March 15-21)
         [Group Exhibition –RVTR *in collaboration with Clement Blanchet, Batlle I Roig, ARUP et al.*]

2010   *Architecture of Necessity*
         Location: Virserums Konsthall, Sweden (May 9 –Sept 19 2010)
         [Juried International exhibition of sustainable design, group show, RVTR North House / Latitude]

2009-2010   *Twenty + Change 02*
         Location(s):   Gladstone Gallery, Toronto ON, (June 3 – Aug 23 2009)
                             TUNS, Faculty of Architecture, Halifax, NS (Mar 1 – Mar 15 2010)
                             Emily Carr University of Art & Design, Vancouver, BC (Aug 12 - Sept 3 2010)
                             AIBC, Vancouver, BC (Sept 27 – Oct 25 2010)
                             Maison d'Architecture du Quebec in Montreal, (Oct 30 – Nov 13 2010)
         [Juried travelling exhibition of Emerging Canadian Architecture Practices group show, RVTR recent work]

2008   *Young Architect's Forum 2008: RESONANCE*
         Location: Architectural League of New York, 457 Madison Avenue, NYC (May 8 - July 28 2008)
         [Group Exhibition – works by Velikov + Thün / RVTR]

2007   *Maps of the City*
         Location: Architectural College at Abuascalientes, Monterrey, and UNAM Feb 2008
         exhibition curated by the publishers of *Arquine* Mexico. - *group show*
         [Group Exhibition - Bridging Strata Project : RVTR]

2006   *0 Latitude Sustainable Urbanism and Architecture*
         XV BAQ Quito Pan-American Architecture Biennale
         Location: Pichincha, Ecquador   Nov. 2006 at the Colegio de Arquitectos del Ecuador
         [Group Exhibition - *Closing the Loop :* RVTR]

2006   *Aeolian Vessel*
         Juried Exhibition in Architecture | Music | Acoustics (AMA) Conference
         Location: Ryerson University Gallery, Spring 2006
         [curated and mounted by G. Thün]

2005   *Jalisco State Library Competition*, Guadalajara Mexico
         Location: Universidad Nacional Autonoma de Mexico (UNAM) Architecture Gallery, June-July 2005
         [Group Exhibition – exhibition of selected competition entries : Velikov+Thün *Building Studio*]

2000   *TSA Waterfront Ideas Exhibition*
         Location: *Harbourfront Centre*, Toronto ON, Jan-Feb 2000
         [Group Exhibition - Bridging II : Velikov+Thün *Building Studio*]

1997   *A Place for Architecture: 1997 RAIC Competition*
         Location: Canadian Centre for Architecture (CCA) Montreal July 16-Aug 16, 1997
         [Group Exhibition – Bridging: Velikov+Thün *Building Studio*]

INVITED / CURATED EXHIBITIONS OF DESIGN WORK (Thün / RVTR)

2022   *Tallinn Architecture Biennale : Future Food Deal*
Location: Tallinn, Estonia (Sept 7 – Oct 31, 2022)
Exhibition Curators: L. Kallipoliti and A. Marcopoulou. [Group Exhibition featuring *Agri-Commune*]

ON AIR: Faculty Work 2020-2022
Location: Liberty Research Annex Gallery, Ann Arbor (Mar 25 – Sept 16, 2022)
Exhibition curator: Kathy Velikov. [Group Exhibition featuring *M-NEX DET and Farish Street Landing*]

2019   *Mapping the Egalitarian Metropolis: Spaces of Hope*
Location: Michigan Research Studio (May 15 – June 15, 2019)
Exhibition curator: Robert Fishman. [Group Exhibition featuring *MappeD*]

2018-2019   *Urban Biographies, Ancient and Modern*
Location: Kelsey Museum of Archeology, Ann Arbor (Aug 24 – Jan 6, 2019)
Exhibition curator: Christopher Ratté. [Group Exhibition featuring *Notion Archeological and Ecological Heritage Park Design: Turkey, OAF Narratives: Detroit*]

2017-2019   *Ambiguous Territories*
Locations: Taubman College Gallery, Ann Arbor, MI. (Sept 27 – Oct 17 2017)
University of Virginia, Charlottesville, VA (Sept 10 – Oct 16 2018)
Pratt Institute: Manhattan Gallery, NYC, NY. (Dec 2018 – Feb 2019)
Ithaca College, Handwerker Gallery, Ithaca, NY (Aug 28 – Dec 15 2019)
Exhibition curators: Kathy Velikov, David Solomon, Chris Perry, Catherine Dwyer.
[Group Exhibition featuring *Shadowtime Landscape: 37°59'34.58"N, 27°11'50.26"E*]

2017   *Research Through Making VIII*
Location: Liberty Research Annex Gallery, Ann Arbor (Mar 15 - Apr 9 2017)
[Group Exhibition featuring *Latitudo Borealis*]

2016   *Post Human Frontiers: Data, Design and Cognitive Machines*
Location: Liberty Research Annex Gallery, Ann Arbor (Oct 19 – Nov 4 2016)
Exhibition curator: Sandra Manninger, [Group Exhibition featuring *infundibuliforms*]

Research Through Making VII
Location: Liberty Research Annex Gallery, Ann Arbor (Mar 10 - Apr 15 2016)
[Group Exhibition featuring *infundibuliforms*]

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, Ann Arbor, MI (Jan 28 – Feb 25 2015)
Ewing Gallery, University of Tennessee, Knoxville, TN [Oct 5 – Nov 1 2015]
[International travelling solo exhibition featuring *the Post Carbon Highway / Conduit Urbanism Projects*]

2014   *Research on the City*
Location: Liberty Research Annex Gallery, Ann Arbor (Oct 10 – Nov 16 2014)
[Group Exhibition featuring *Protean Prototypes Project*]

Research Through Making V
Location: Liberty Research Annex Gallery, Ann Arbor (Mar 8 - Apr 20 2014)
[Group Exhibition featuring *Pneusystems*]

2012   *Future City Lab: Future in Progress: Please Do ~~Not~~ Disturb*
Location: Architekturforum Aedes, Aedes Pfefferberg, Berlin (May 22-Jun 10 2012)
[Group Exhibition featuring *Post Carbon Highway / Conduit Urbanism*]

Research Through Making III
Location: Liberty Research Annex Gallery, Ann Arbor (Jan 20-Apr 15 2012)
[Group Exhibition featuring *Resonant Chamber*]

2011   *The Fuel of Life*
Location: Brookfield Place Galleria, Toronto ON (Nov 28-Dec 10 2011)
Exhibition curated by Photosensitive [Group Exhibition featuring *The North House Project*]

Research Through Making II
Location: Taubman College of Architecture and Urban Planning Gallery (Jan 10-Feb 11 2011)
[Group Exhibition featuring *The Stratus Project*]

2010-2011   *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 (April 8 – May 22 2011)
Exhibition curator: Elke Krasny / exhibit design: L.C.Lasnier [Group Exhibition featuring work of *RVTR*]

2009   *HYDROCity*
International – Travelling | Location: Toronto Free Gallery, 1277 Bloor Street West (Nov 5 – Dec 18 2009)
Exhibition curated by Mason White, Ghazal Jafari et al. [Group Exhibition featuring *Buoyant Aquacology*]

2008   *RIG: Designs from the Fuel Transition*
Location: Toronto Free Gallery, Toronto ON (Nov 27 2008 - Jan 3 2009)
Exhibition curated by Chris Hardwicke and John Knechtel [group show featuring *Post Carbon Highway*]
rvtr: matters of concern
Locations: Cambridge Galleries at Riverside, Cambridge ON (Oct 28, 2008 - Jan 4, 2009)
                     Ryerson University Architecture Gallery, Toronto ON (Oct 1 – Nov 28, 2009)
[Solo Exhibition of the work of RVTR]

            CONVOY: Territorial Infrastructures and the Capital Matrix
Location: Cambridge Galleries, Cambridge ON. WAC All School Show (May 2008)
[Mapping and Speculative work by Students of Thün from the *CONVOY* Studio]

2007   *Toronto's Urban Unconscious*
Location: *Toronto Free Gallery* Sept 27 - Nov 10 2007
Toronto School of Creativity and Inquiry (TSCI) exhibition curated by Adrian Blackwell - *group show*
[Mappings from the *Ravenous Urbanism* Series by G Thün]

2006   *The Rivers*
Location: French River Visitor Centre, Big Bear, ON : Permanent Exhibition Collection
[Installation and photo Based Works, Various Ontario River Systems : Velikov+Thün]

2002   *Insignia Caeli*, *Mirror Deployments in the Yucatan*
Installation and photo Based Works, Mexico
[Exhibited 2008 at YA08, NYC, and RVTR, Cambridge Galleries : Velikov+Thün]

1997   *Holocaust Memorial Design*
Location: Bezalel Academy of Arts and Design, Sept 1997
[Group Show - *Jaffa Gate - Monumentum Ortus* : Geoffrey Thün w/ Adam Feldman]

            Grounding
Location: Good Farm, Kitchener ON, May 1997
[Public Site Installation – Geoffrey Thün, Kathy Velikov, Abel Gill]

DISCLOSURES, INVENTIONS, AND PATENTS

2017   Invention Disclosure: Thün et al, 'Interactive Mapping Tool: Urban Multimodal Access Design / v.0.9.1'
            [SEM-173030], Filed May 7, 2017, Status: *preliminary disclosure complete. Currently optioned under a non-
            exclusive licensing agreement by Ford Motor Company. (revisions submitted to OTT Oct 2018)*

2016   U.S. Patent No. 9,260,863: Thün et al, 'Dynamically Responsive Acoustic Tuning Envelope and Method.'
            Australia: Issued, Patent no. 2013230070, awarded: 2017
            Mexico: Issued, Patent no. 366480, awarded: 2019
            Korea, EPO, Canada: Published (ongoing and pending review)

2014   Provisional Application: Thün et al, 'Multi-Cellular Aggregate Envelope Systems' Serial No. 62/026,750
            Filed July 21, 2014 US Patent and Trademark Office, Status: *preliminary disclosure complete.*

2012   Provisional Application: Thün et al, 'Dynamically Responsive Acoustic Tuning Envelope and Method' Serial No.
            61/608,985 Filed Mar 9, 2012 US Patent and Trademark Office.

07 PUBLICATIONS BY OTHERS

REVIEWS AND PUBLICATIONS FEATURING RESEARCH AND CREATIVE PRACTICE (Thün / RVTR)

2020   Desmini, J. (2020, March 27) "Review: Ilka Ruby and Andreas Ruby (eds) Infrastructure Space", Journal of Architecture Education (online) Retrieved [2020, April 16] https://www.jaeonline.org/articles/review/infrastructure-space# [includes review of Velikov and Thün's "Territorial Infrastructures: Recognizing Politico-environmental Ecologies"]

2019   Hong, S. (2019, May). Overcoming Obese-city: In Jackson, Mississippi, architects take on a citywide hunger problem. *The Architect's Newspaper,* p.16. [review of Fertile Ground project / AkoAki / RVTR]

2017   (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: Extract]

2015   Marcinkoski, C. (2015). Exhibition Review: Infra Eco Logi Urbanism. *Constructs*, Yale School of Architecture, (Spring), 6.

        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]

        Bozikovic, A. (2015, Dec 4). Canadian exhibit at Venice Biennale to dig into resource exploitation. *Globe and Mail*, p. L4. [review of EXTRACTION 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 RVTR's infra-eco-logi project]

        Bozikovic, A. (2015, March 19). Ferry tales: How Toronto's terminal could make magic on the waterfront. *Globe and Mail*, p. M1. [featured project: RVTR's Jack Layton Ferry Terminal Competition entry]

Bozikovic, 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]

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, p.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]

Aiello. C. (Ed). (2014). Nervous Ether: Shiver of Bodies. *eVolo_06: Digital & Parametric Architecture*, 6(1), 224-225. [featured project: pneusystems]

(2014). Infra-Eco-Logi_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*, pp. 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://aduq.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.popsci.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 September/ October). North House Project. *Eco-Structure Magazine*, 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	Bozikovic, 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]
	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*, p.G4. [review of North House Project]
	Bentley-Mays, J. (2009, July 10). A Search for the Perfect Assembly Line House. *Globe and Mail*, p.G2. [review of North House Project]
	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]
	Noufailly, F., & Perkins, G. (2009). Plaza de las Tres Culturas: Bridging Strata. *onsite Magazine*, (20), 76-80. [review of Bridging Strada]
	Reiser, J., & Resielbach. (2009). A. 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]
2008	Barker, J. (2008, December 7) Attitude on Latitude. *Modern House Magazine.* Retrieved from (2008, December 7) www.modernhousemagazine. [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]
	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*, J1-J5. [review of Student Work from Thün Design-Build 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, Dec 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). Theatro Celimontana. *ROMA XX: The Lesson of Rome* (Publication &Exhibition). BCE Place: Galleria & Heritage Square, Riverside Press, 68. [review of work by G. Thün]

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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, (2012)]

  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* (2012)]

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* (2012)]

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* (2012)]

  Kempenaara, A., Westerink, J., Lieropa M., Brinkhuijsena M., & den Brinkc, 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]

PUBLISHED INTERVIEWS (Thün / RVTR)

2019 Metcalfe, T. (Interviewer), & Thün, G. (Interviewee) (2019, April 16). This floating city concept is one way to cope with climate change: A U.N.-backed proposal aims to "climate proof" urban areas of the future. Retrieved from NBC News, Environment: https://www.nbcnews.com/mach/science/floating-city-concept-one-way-cope-climate-change-ncna995081

2015 Mendis,B., Easterling K., Marcinkoski, C. (Interviewers), Thün, G. & Velikov, K. (Interviewees), (2015). Infra Eco Logi Urbanism in Discussion. *Constructs*, Yale School of Architecture, spring, 7.

2014 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]

2010 Young, N. (Host Interviewer), Lisa R. (Guest Interviewer) & Thün. G (Interviewee). (2010, June 22, 2010). Responsive Architecture. *Spark 117.* Toronto, ON: Canadian Broadcasting Corporation (CBC).
[Nationally broadcast radio interview discussing responsive envelope technologies]

2009 Chmielewski, T (Interviewer), & Thün. G (Interviewee). (2009). The New Modular Home: PreFab Goes Green in the New Economy. *Lake Michigan Shore Magazine*, October-November, 56-60.

08 AWARDED GRANTS, CONTRACTS & SPONSORED PROJECTS

2022	**OVPR Bold Challenges** Team Formation Grant: *Models and frameworks for designing energy technologies with communities in ways that center principles of equity and environmental justice* Duration: 1.0 years: *ongoing* [A. Verma PI, T. Allen, G. Thün, R Goodspeed, S. Mills, L. DuRussel, CoPIs]	$ 20,000
	University of Tennessee Knoxville Project Grant: *Regional Globalism in the Tennessee Valley: Design Research Stipend* Duration: 1.5 years: *ongoing* [G. Thün, PI, K. Velikov, E. Kripa, S. Meuller CoPIs]	$ 5,000
2021	**OVPR RCI: Large-Scale Center and Initiative Planning Grants** Project Grant: *Sustainable and Equitable food-energy-water (FEW) Sociotechnical Systems* Duration: 1.5 years: *complete* [N. Love, PI, G. Thün, E. Lewis, R Goodspeed, L. Hoey, CoPIs]	$100,000
2019	**Taubman College, University of Michigan** Prototyping Tomorrow Grant: *Envelopes of Fecundity* Duration: 1.5 years: *complete* [K. Velikov, G. Thün, W. McGee, P. Halquist CoPIs]	$ 19,980
	Williamson Williamson Sponsored Project: *800 Lasalle Pk. Rd. Burlington ON.* Duration: 2 years, *complete* [G. Thün PI, K. Velikov CoPI]	$110,602
	**Ford Motor Company	Alliance Program** Project Grant: *Responsive Streets: Curb Management and Urban Design Prototypes* Duration: 2.0 years, *complete* [G. Thün PI, K. Velikov CoPI. Ford PI: J. Coleman]	$191,253
	Bloomberg Philanthropies 2018 Public Art Challenge Total Project Grant to Jackson MS: $ 1,000,000 / Subgrant to U-M / RVTR: Project Grant: *Fertile Ground: Food Access, Health and the Arts* Duration: 1 year, *ongoing due to Covid-19* [G. Thün, K. Velikov PIs]	$ 60,000
2018	**Urban Studies Foundation** Seminar Series Competition: *Emerging Urbanisms in Deindustrializing Urban Regions* Duration: 1.5 years: *complete* [G. Thün, M. Murray, M. Arquero CoPIs]	$ 26,050
	A. W. Mellon Foundation Michigan-Mellon Project Mapping the Egalitarian Metropolis Subgrant: *MappeD* Duration: 1 year: *complete* [G. Thün, K. Velikov CoPIs]	$ 15,840
	Taubman College, University of Michigan Prototyping Tomorrow Grant: *Breathing Territories* Duration: 1.5 years: *complete* [K. Velikov PI, G. Thün, E Kripa, (Texas Tech) S. Mueller (Texas Tech) CoPIs]	$ 19,956
	Belmont Forum SUGI FWE (Food, Water, Energy Nexus Program) Total Project Grant: € 1,700,000 / US Funding via NSF to U-M: U-M Cost Share: Project Grant: *M_NEX: The Moveable Nexus: Design-led urban food, water and energy systems* Duration: 4 years, *complete* U-M Team: [G. Thün, PI, Ming Xu (SEAS) CoPI] U-M Senior Personnel: [M. Arquero, L. Hoey, M. Norman, A. Sirota, K. Velikov, N. Love, G Daigger.]	$250,000 $ 50,000

	Wanxiang Group Corporation	
	Sponsored Project: *InnovaCity: Hangzhou China.*	$100,000
	Total Sponsored Contract: $300,000 (housed in CoE)	
	SmartCity Grand Challenge Competition and Research Development: Phase I	
	Duration: 1 year, *complete*	
	[J. Lynch: PI, G. Thün, J. Sayer CoPIs]	

2017   **Ford Motor Company | Alliance Program** $255,626

Project Grant: *Multi-Modal Design Prototypes and Platform Development to Accelerate New Mobility-enabled Access and Enterprise: San Francisco*
Duration: 2.5 years, *complete*
[G. Thün PI, K. Velikov CoPI. Ford PI: J. Coleman]

Urban Collaboratory $ 40,000

Project Grant: *Prototype Design for New Mobility Hubs Southeast Michigan*
Duration: 2 years, *ongoing*
[G. Thün PI, K. Velikov CoPI]

2016   **Ford Motor Company | Alliance Program** $219,985

Project Grant: *Multi-Modal Design Prototypes and Platform Development to Accelerate New Mobility-enabled Access and Enterprise: SE Michigan and Chicago*
Duration: 3 years, *complete*
[G. Thün PI, K. Velikov CoPI. Ford PI: J. Coleman, Advisor: S. Zielinski]

Taubman College, University of Michigan $ 19,900

Research Through Making Grant: *Latitudo Borealis*
Duration: 1 year: *complete*
[L. Junghans PI, G. Thün, CoPI]

2015   **US Environmental Protection Agency (EPA)** $145,000

Project Grant: *Environmental Quality, Health and Learning in High Performance School Buildings*
Total Project: $1,000,000 (housed in SPH)
Duration: 3 years, *complete*
[S.Batterman, PI, G. Thün, J. Wineman, C. Somers (WSU), N. McCaughtry (WSU), CoPIs]

University of Michigan Third Century Initiative: Global Transformation $395,000

Phase 2 Project Grant: *Deep Monitoring: Chronic Disease in Underserved & Remote Populations*
Total Project: $1,600,000 [D. Burke, J. Myers, M. Burns PIs]
Duration: 3 years, *complete*
[G. Thün, K Velikov, CoPIs]

University of Michigan Office for Research $ 5,000
Taubman College Research Fund $ 5,000

Artistic Productions and Performances Grant*: EXTRACTION: Venice Biennale Exhibition*
Duration: 1 year, *complete*
[G. Thün PI]

Taubman College, University of Michigan $ 19,976

Research Through Making Grant: *Infundibuliforms*
Duration: 1 year: *complete*
[G. Thün, W. McGee, K Velikov, J Lynch CoPIs]

2014   **US Department of Transportation Nextrans Region 5 UTC** $ 78,680

Project Grant: *Access-Enabling Architectures: New Hybrid Multi-modal Spatial Prototypes*
Duration: 2 years: *complete*
[G. Thün, PI, K Velikov, S. Zelinski CoPIs]

University of Michigan

Research on the City Grant: *Protean Prototypes* $ 19,960
UMOR Small Projects Grant $ 14,900
Duration: 1 year: *complete*
[G. Thün, PI, K Velikov, Dan McTavish CoPIs, S. Zelinski Collaborator]

	AIA Upjohn Research Initiative Project Grant *"Responsive Pneumatics"* Duration: 1.5 years, *complete* [G. Thün, K. Velikov PIs]	$ 23,000
2013	**Ford Motor Company** Project Grant: *Mapping New Mobility: A Data-Driven Graphic Platform* Duration: 3 years, *complete* [G. Thün PI, S. Zelinski CoPI]	$105,000
	US Department of Transportation Nextrans Region 5 UTC Showcase Project: *Accessible Transportation: From Lab to Practice* Duration: 2 years, *complete* [PI: J Levine, CoPIs: J Grengs, S. Zelinski, G Thün]	$150,000
	University of Michigan Taubman College Research Through Making Grant: *Pneuspaces* OVPR Small Projects Grant Rackham SROP Program (Doctoral Student: Wiltrud Simbuerger) Duration: 1 year: *complete* [K Velikov, G. Thün, PIs, Santinder Singh Baveja, Collaborator]	$ 19,976 $. 14,900 $ 4,000
	US Department of Transportation Nextrans Region 5 UTC Project Grant: *New Mobility Solutions: Emerging Sector Mapping* Duration: 3 years, *complete* [G. Thün, PI, S. Zelinski, CoPI]	$106,290
	Office of the Vice President for Research, University of Michigan **Taubman College Research Fund** Artistic Productions and Performances Grant*: InfraEcoLogi Urbanism(e)* Duration: 6 months, *complete* [G. Thün PI]	$ 13,840 $ 4,995
2012	**Office of the Vice President for Research, University of Michigan** Special Project Grant: *Integrated Responsive Building Envelopes* (IRBE) Total Project Grant: $534,950 Duration: 3 years, *complete* [G. Thün & J. Lynch PIs / Li, Velikov, Wineman, Junghans, Cotel, Peterson, Keolian CoPIs]	$124,567
	Office of the Vice President for Research, University of Michigan **Taubman College GSRA Support** Small Scale and Preliminary Project Grants: *The Pillow Case: Light Sensitive ETFE Prototyping* Duration: 1 year, *complete* [K Velikov PI, G. Thün, L. Junghans Collaborators]	$. 15,000 $ 9,000
	Alcoa Foundation: Institute for International Education *Sponsored Research Subcontract: MobiPrize Development* Duration: 1 year, *complete* [S. Zelinski, PI, G. Thün, Collaborator]	$ 10,000
	UMEI 2012 Fellowship Program [University of Michigan Energy Institute] Duration: 4 months, *complete* [G. Thün / Undergraduate Student: Ian Ting]	$. 4,000
	Mott Foundation *Sponsored Research Subcontract* Project: *Connect & Prosper: Michigan Mobility Mapping* 1 year, *complete* [S. Zelinski PI, G. Thün, Collaborator]	$ 10,000
2011	**Guardian Industries** Sponsored Project: *The Benefits of Glass*: Duration: 1 year, *complete* [K. Velikov PI / J Wineman, G. Thün Collaborators]	$ 9,630

	University of Michigan	
	UMOR Small Projects Grant	$ 14,800
	Taubman College Research Through Making Grant: *Resonant Chamber*	$ 24,476
	Duration: 1 year, *complete*	
	[G. Thün & W McGee PIs, K Velikov Collaborator]	
	University of Michigan Wireless Integrated Microsystems ERC	$ 25,000
	Strategic Seed Funding	
	Project: *The Cirrus Project*, Duration: 1 year, *complete*	
	[G. Thün PI / J Lynch, R Dick, L Junghans, K Velikov CoPI's]	
	Social Sciences and Humanities Council of Canada (SSHRC)	$186,000
	*Research/Creation Grant in Fine Arts	Strategic Research Grant*	
	Project: *The Stratus Project*, Duration: 3 years, *complete*	
	[C. Ripley PI / G. Thün & K. Velikov, Co-PI's]	
	Taubman College, University of Michigan	$ 3,500
	[Curricula Development Support] ARCH 505: Landscape Infrastructure Research	
	Duration: 1 year: *complete*	
2010	**University of Michigan**	
	Research Through Making Grant: *The Stratus Project*	$ 19,958
	UMOR Small Projects Grant	$ 14,800
	Duration: 1 year: *complete*	
	[G. Thün & K. Velikov PIs]	
	Graham Environmental Sustainability Institute	$ 36,500
	[University of Michigan, Campus Sustainability Integrated Assessment]	
	Duration: 1 year, 2 Phase: 6 Graduate Student Researchers: *complete*	
	[G. Thün, Faculty Lead: Buildings & Standards Group]	
2009	**Canada Council for the Arts: Professional Prix de Rome in Architecture**	$ 50,000
	[National Award: Research Travel 2009-2010]	
	Duration: 1 year: *complete*	
	[Thün, Velikov, Ripley PIs]	
	Ontario Power Authority (OPA) Technology Development Fund	$125,000
	Provincial Research/Creation Grant: *North House Prototype Project*	
	Duration: 1 year: *complete*	
	[G. Thün PI, K. Velikov, J. Straube CoPI's]	
	Social Sciences and Humanities Council of Canada (SSHRC)	$146,140
	Research/Creation Grant in Fine Arts	Strategic Research Grant	
	Project: *Post Carbon Highway Project*, Duration: 3 years: *complete*	
	[G. Thün PI / K. Velikov, C. Ripley CoPI's]	
2008	**MITACS / Accelerate Ontario:**	$137,500
	Graduate Research Internship Program: *North House*	
	[Provincial matching funds for Industry Partnerships] Duration: 1.5 years: *complete*	
	[G. Thün Primary Academic Supervisor / PBAI, Industry Partner]	
	U.S. Department of Energy / National Renewable Energy Laboratory	$100,000
	Solar Decathlon 2009 Grant: *North House*	
	Duration: 2 years: *complete*	
	[G. Thün PI, K. Velikov, P Beesley CoPI's]	
	National Research Council of Canada (NRCan)	$ 10,000
	North House Prototype Development: Duration: 2 years: complete	
	[G. Thün PI]	
	Canada Council For the Arts	$ 5,000
	Assistance to Practitioners in Architecture Grant:	
	Duration: 1 year: *complete*	
	[RVTR: matters of concern	Exhibition Production}	

	Ontario Arts Council	$ 1,500
	Exhibition Support Grant: Duration: 1 year: *complete*	
	[RVTR: matters of concern	Exhibition Production]	

	University of Waterloo.	$ 1,000
	Centre for Teaching Excellence, Instructional Development Grant	
	[Complex Collaboration Course Development]	

	Young Architect's Forum	$ 1,000
	Architectural League of New York: *Exhibition Grant*	
	[RVTR: matters of concern	Exhibition Production]	

2007	Canadian Design Research Network (CDRN) / Design Research Canada	
	Collaborative IDP Workshop & Project Start-Up Grant: *North House*	$ 57,000
	[P. Beesley PI, G Thün, CoPI]	

2006	Faculty of Engineering, University of Waterloo	$ 20,000
	Digital Visualization Capital Grant: Duration: 2 years: *complete*	

09 PROFESSIONAL AND CREATIVE PRACTICE: PROJECTS

RVTR Inc. *Partner / Director, Design Research*
* Identified projects undertaken within U-M by RVTR Research Group

2022-present	**Biomass Pasts / Lignin Futures***
	Design Research Project. *(in collaboration with POST: Ersela Kripa & Stephen Meuller)*
	[Commissioned by: SOA UTK Knoxville]

2018-2020	**800 Lasalle Park Dr. Burlington ON***
	Residential Project. *(in collaboration with WilliamsonWilliamson Architects Inc.)*
	[Clients: Terry Line and Niki Monaco] – project suspended at Design Development

2017-present	**Notion Archeological Excavation House Design***
	Building and Site Design of Institutional Facilities at Ahmetbeyli, Turkey. [Client: Christopher Ratté]

2017-present	**Notion Archeological and Ecological Heritage Park Design***
	Design Development for 32ha Landscape and Cultural Project incorporating AR technologies at Ahmetbeyli, Turkey. [Client: Christopher Ratté]

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)*

2015-2022	**Modular Chronic Health Care Facility Prototyping: Deep Monitoring Project***
	System Design, Contract Documents and Fabrication Phase I and Phase II 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 for Notion archaeological site in Turkey

2014-2015	**2524 Woodlawn Rd.**
	Residential Renovation, Chicago IL [Client: Robert Strickler]

2014	**New Brutalist Image 1949–55*** *Exhibition Design*
	Curators: C Zimmerman & V Walsh. Tate Britain: November 24 2014 through October 4 2015.

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 |

| 2010 | **1265 Westport Rd.** |
| | Residential Renovation Ann Arbor, MI |

| 2009 | **Beruit House of Art and Culture** |
| | Open International Competition, Lebanon |

| 2008-2009 | **Latitude Housing System** |
| | Cold Climate Mass Customized Housing Strategy |

| 2008 | **Culu Culu Masterplan,** |
| | Sustainable Landscape Masterplan and Hotel Grounds Development. Lobos, Argentina |

| 2008 | **Hidden City** |
| | Strategic Design of Public Festival Infrastructure. Philadelphia, PA *(w/ Peregrine Arts)* |

| 2008 | **Nexus | Park | City** |
| | Urban Masterplan and Housing *Invited International Competition, First Place*, Changchun, China |

| 2008-2010 | **North House Prototype** |
| | Mass Customized Solar Prefabricated Housing System *(RVTR / Team North)* |

| 2008-2009 | **Pampas House** |
| | Private Residence, Buenos Aires, Argentina, *(unbuilt)* |

| 2007 | **Buoyant Aquacology,** |
| | Venice Lagoon Competition, Open International Competition, Venice, Italy |

| 2007 | **Coffee Town** |
| | Open Space Strategy and Pedestrian Bridge Design, Changchun, China |

| 2007 | **Bridging Strata: Plaza de las Tres Culturas** |
| | Arquine 9th Annual International Design Competition Mexico City, MX. *(3rd Place)* |

| 2006 | **Humber River Watershed Cultural Mapping Project** |
| | Ecosystems, Urban Interface and Program Mapping. (TRCA). Humber River, Toronto, ON |

2006	**Closing the Loop**
	Galapagos: Zero Latitude Sustainable Architecture and Urbanism Open International Competition
	Quito Architecture Biennal, Puerto Baquerizo Moreno, San Cristobol, Galapagos

| 2006 | **Morningside Park Pavilion** |
| | Toronto Department of Parks and Recreation, Morningside Park, Toronto ON *(unbuilt)* |

| 2006 | **Ryerson University Masterplan Proposal**, Toronto ON |
| | *(RVTR w/ Kieran Timberlake Associates / ARUP)* |

| 2006-2008 | **Bluepoint Multiunit Housing (PE Louver Façade System)** |
| | High Performance Envelope and Shading Systems Design, Phucket, Thailand *(RVTR w/ Paul Raff Studio)* |

Velikov + Thün Building Studio Toronto, ON   *Principal*

| 2005-2006 | **Courtyard House II** |
| | Private Residence, Richmond Hill ON, *(w/David Lieberman Architect)* |

| 2005 | **Jalisco State Library** |
| | Open International Competition**,** Guadalajara Mexico |

| 2005 | **S.W.A.M.P. House** |
| | Private Residence, Sauble Beach ON *(unbuilt)* |

| 2005 | **Robson Road Residence (Seasons House) & Flamborough Farm** |
| | Private Residence and Commercial Greenhouse and Tree Farm, Flamborough ON *(unbuilt)* |

| 2003-2005 | **Havendale Residence** |
| | Private Residential renovation and furnishings, Burlington, ON |

Baird Sampson Neuert Architects, Toronto, ON

| 2003-2005 | **Thomas L. Wells Public School Public School,** |
| | Toronto District School Board, Toronto ON | *Project Architect, Associate in Charge* |

| 2002-2005 | **French River Visitor Centre** |
| | Ministry of Natural Resources / Ontario Parks, Bigwood ON | *Project Architect, Associate in Charge* |

| 2003 | **Lightspace - Sustainable Housing Proposal and Installation** |
| | IDS Convention, Toronto ON National Convention Centre, CNE | *Project Team, Associate in Charge* |

| 2001-2003 | **Erindale Hall, Phase VII Student Residence** |
| | University of Toronto at Mississauga, Mississauga ON | *Senior Designer* |

| 2002 | **Pine Hills Mausoleum** |
| | Mount Pleasant Group/ Toronto, ON | *Senior Designer* |

| 2001 | **Trent University – First Peoples House of Learning-Masterplan Study** |
| | Trent University, Peterborough, ON / *Project Coordinator* |

| 2000-2001 | **Champlain College Renovations** |
| | Trent University, Peterborough, ON / *Project Architect* |

| 2000-2001 | **St. James Cathedral Parish House and Diocesan Offices** |
| | Toronto ON | *Project Coordinator/ Senior Designer* |

| 2000-2001 | **Trent University – Master Plan, Landscape and Ecological Study** |
| | Peterborough, ON | *Project Coordinator* |

| 2000 | **Prospect Cemetery Mausoleum** Toronto, ON |
| | Mount Pleasant Group/ Toronto, ON / *Senior Designer , Project Team* |

| 2000 | **Royal Botanical Gardens – Facilities Masterplan and Landscape Planning** |
| | Burlington, ON | *Project Coordinator* |

| 1998 | **University of Toronto al&d Office Renovation and Masterplan** |
| | Toronto, ON | *Project Team* |

| 1998 | **193 Balsam Avenue** |
| | Private Residence, Toronto, ON | *Project Team* |

| 1998 | **298 Sackville Infill Housing** |
| | Private Development, Toronto, ON | *Project Coordinator/ Senior Designer* |

| 1998 | **Phase VI Student Residence** |
| | University of Toronto at Mississauga, Mississauga ON *Project Team* |

Dereck Revington Studio, Toronto, ON

| 1999-2000 | **Downsview Park Competition** *(Invited Finalists) with Bernard Tschumi Architects* |
| | *Project Coordinator Canadian Team / Senior Designer: Landscape & Ecological Systems* |

| 1999 | **City Place Public Sculpture** |
| | Toronto, ON / *Project Coordinator/ Senior Designer* |

| 1998-2000 | **The Luminous Veil - Safety Barriers / Public Sculpture** |
| | Prince Edward Viaduct, Toronto, ON | *Project Coordinator/ Senior Designer* |

10 TEACHING

HONORS AND AWARDS FOR TEACHING

2017   *Golden Apple Award* Nominated - M.Arch students, (U-M wide teaching award)

COURSES TAUGHT

2009-present   Taubman College, University of Michigan

Winter 2023	M.Arch:	ARCH662: Thesis Studio: *Mavericks, the Multitude and the Mesa*
Fall 2022	M.Arch:	ARCH660: Thesis Seminar: *Mavericks, the Multitude and the Mesa*
Winter 2022	M.Arch:	ARCH562: Design Studio: *Mavericks, the Multitude and the Mesa*
Winter 2021	M.Arch:	ARCH562: Design Studio: *Mavericks, the Multitude and the Mesa*
Fall 2020	M.UD	UD732: Design Studio: *Phalanstaria*
Winter 2019	M.Arch:	ARCH509: Elective Seminar: *Scripting Future Urbanism(s)*
Winter 2018	M.Arch:	ARCH662: Thesis Advisor / Design Studio: *Mavericks, the Multitude and the Mesa*
Fall 2017	M.Arch:	ARCH660: Thesis Seminar: *Mavericks, the Multitude and the Mesa*
Fall 2016	M.Arch:	ARCH515: Sustainable Systems I: *Energy, Territory, Climate & Life:* (w/ J. Maigret)
Winter 2016		*Academic Leave (Sabbatical)*
Fall 2015	M.Arch:	ARCH515: Sustainable Systems I: *Energy, Territory, Climate & Life:* (w/ M. Miller)
Winter 2015	B.S./ 3G	ARCH315: Sustainable Systems I: *Energy, Territory, Climate & Life:* (w/ M. Miller)
	M.Arch:	ARCH662: Thesis Advisor / Design Studio: *Market Forces:* (w/ C. Borum)
Fall 2014	M.Arch:	ARCH660: Thesis Seminar *Market Forces:* (w/ C. Borum)
Winter 2014	M.Arch:	ARCH562: Systems Studio: *YYZ*
	M.Arch:	ARCH505: Elective Seminar: *MetaSHED*
	M.Arch:	ARCH600: Independent Study: *Mass Customized Housing in Japan*
Winter 2013		*Academic Leave*
Fall 2013	M.Arch:	ARCH552: Networks Studio: *Phalanstaria*
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
Spring 2013	MSc.MS	ARCH739: Capstone in Material Systems
Fall 2012	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
	M.Arch:	ARCH600: Independent Study: *Fragmentary Utopias*
Winter 2012	M.Arch:	ARCH672: Systems Studio: *allsystemsgo!* (w/ J. Maigret)
	M.Arch:	ARCH505: Elective Seminar: *MetaSHED*
Fall 2011	M.Arch:	ARCH672: (Option Studio) coordinated with technical seminar by L. Junghans: *HydroLab*
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
	M.Arch:	ARCH600: Independent Study: *Nordic Port Logistics*
Winter 2011	M.Arch:	ARCH662: Thesis Advisor / Design Studio: *Stormfront* (w/ K. Velikov, C. Newell)
	M.Arch:	ARCH505: Elective Seminar: *Landscape	Infrastructure	Research*
Fall 2010	M.Arch:	ARCH672: Comprehensive Building Studio: *aggregate*
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
	M.Arch:	ARCH600: Independent Study: *Campus Sustainability Assessment*
Winter 2010	M.Arch:	ARCH662: Thesis Advisor / Design Studio: *Heavy Weather* (w/ C. Borum)
Fall 2009	M.Arch:	ARCH660: Thesis Seminar (w/ C. Borum, A. Kulper, S. Manchanda)
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
Winter 2009	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)

STUDENT WORKSHOPS LEAD

Fall 2022	**Syracuse University School of Architecture**
	M.Arch 650 Design Research Workshop: Re-Assembling the City, (w/ K. Velikov) November 12-14, 2022
Spring 2019	**Taubman College ArcPrep Program**
	Michigan Mellon Workshop: Mapping Urban Access in Detroit (w/ K. Velikov), April. 24, 2019
Fall 2017	**Syracuse University School of Architecture**
	MS/M.Arch Design Energy Futures Workshop: Re-scripting Urban Ecologies, November 16-18, 2017
Summer 2013	**California College of the Arts**
	M.Arch. Studio 333 Workshop: Responsive Environments / Sensate Instruments, ((w/ K. Velikov) August. 5-16, 2013
Winter 2013	**Université du Québec à Montréal, School of Design**
	M.E.D. Workshop: System, Structure, Code: Re-Thinking Territorial Operation, February. 3-8, 2013
Summer 2011	**ISU Helmholtz-Zentrum Berlin für Materialien und Energie**
	Graduate Seminar: Architectural Integration of PV and Solar Thermal Systems, August. 22-31, 2011
Summer 2010	**Ryerson University, Department of Architectural Science**
	M.Arch: AR8105: International Visiting Practice Studio (w/ K. Velikov, C Ripley) May. 3-28, 2010

2006-2009	**School of Architecture, University of Waterloo**	
2006-2009	M.Arch:	Thesis Advisor and Committee Member
Summer 2009	B.A.S:	ARC293: VineYARD (Studio Coordinator)
	B.A.S:	ARC684: North House High Performance Design/Build (Elective)
	B.A.S:	ARC484: Sustainable Design-Build Elective (Undergraduate Elective)
Winter 2009	M.Arch:	ARC684: Collaborative Practice Competitions Elective (Graduate Seminar)
Spring 2008	M.Arch:	ARC684: Sustainable Design Research Methods (Graduate Seminar)
	B.A.S:	ARC484: North House Research Elective (Undergraduate Elective)
	B.A.S:	ARC293: *Excursions in the Expanded Field* (Studio Coordinator)
Fall 2007	M.Arch:	ARC684: *On Mapping, Cartography and Eidetic Operations* (Graduate Seminar)
	B.A.S:	ARC393: *CONVOY: Territorial Infrastructures and the Capital Matrix* (Studio Coordinator)
Spring 2007	B.A.S:	ARC293: *Excursions into E*_Scape* : *Economy, Ecology, Experience* (Studio Coordinator)
Winter 2007	B.A.S:	ARC193: Design Foundations Studio
	M.Arch:	ARC684: Collaborative Practice Competitions Elective (Graduate Seminar)
Spring 2006	B.A.S:	ARC293: Architecture and Landscape (Studio Coordinator)

2004-2005	**School of Architecture, University of Waterloo**	
Fall 2005	B.Arch:	ARC393: Urban Design Studio
Summer 2005	B.Arch:	ARC293: Architecture and Landscape
Winter 2005	B.Arch:	ARC392: *Resonant Chamber: Canadian Centre For Sonic Art* (Studio Coordinator)
Fall 2004	B.Arch:	ARC393: Urban Design Studio
Summer 2004	B.Arch:	ARC293: Architecture and Landscape

Fall 2004	**Ryerson University, Department of Architectural Science**	
	B.Sci.Arch:	ASF002: Design Studio
	B.Sci.Arch:	ASC715: Advanced Computer Applications in Arch. (3d Modeling Lab)

1997-1998   **School of Architecture, University of Waterloo**

Winter 1998   B.Arch: ARC392: Light Studio
Fall 1997   B.Arch: ARC492: Study Abroad Rome Studio
Winter 1997   B.Arch: ARC193: Design Studio

1996   **School of Architecture, University of Waterloo**

Fall 1996   B.Arch: ARC192: Design Studio

INVITED EXTERNAL REVIEWER AT OTHER INSTITUTIONS

2022	M.LA	SoLA	University of Tennessee	[Fulton, Madl]
2022	M.Arch	School of Architecture	University of Virginia	[Fard, Ripple]
2022	M.Arch	School of Architecture	Texas Tech University	[Kripa, Meuller]
2021	M.Arch	School of Architecture	University of Buffalo	[Wang]
2021	M.Arch	School of Architecture	University of Tennessee	[Young, Dodds]
2019, 2020	M.Arch	School of Architecture	University of Waterloo	(Sheppard, Hutton]
2019, 2022	B.Arch	School of Architecture	Syracuse University	(Larsen]
2018	M. UD	UCLUA	T.U. Dortmund	(Reicher]
2018	M.Arch	FDAB	University of Technology Sydney	(Pigram / Maxwell]
2014-2017	M.Des	GSD	Harvard University	(Belanger, Moe]
2017	PhD.	FDAB	University of Technology Sydney	(Shork]
2017	M. Arch	School of Architecture	CCA, San Francisco	(Marcus]
2016	M. Arch	School of Architecture	SUNY, Buffalo	(Shepard, Geiger]
2014, 2015	M.Arch	School of Architecture	University of Waterloo	(Berman, Khafif]
2013, 2015	M.UD & M.Arch	al&d Architecture	University of Toronto	(el-Khoury, White, Levitt]
2013	M.E.D	School of Architecture	Yale University	(Easterling]
2013	M.E.D.	School of Design	UQAM, Montreal, PQ	(Lupien, DeWinter]
2012-2017	M. Arch	School of Architecture	Dalhousie University, NS	(Macy, Bonnemaison, Venart]
2011	M.Sc	School of Architecture	London Metropolitan University	(Kolbe]
2011-2013	BAS	School of Architecture	Lawrence Technical University	(White, Plowright, Budurow]
2010	BSA	Knowlton (KSA)	Ohio State University	(Livesey]
2008	M. Arch	School of Architecture	Dalhousie University, NS	(Parcell, Macy]
2006-2008	M. Arch	School of Architecture	SUNY, Buffalo	(Klienman, LeCuyer, Hata]
1999-2010	M.Arch	al&d Architecture	University of Toronto	(Baird, Shim, Richards]
2008	M. UD	al&d Architecture	University of Toronto	(Levitt]
2005	M. LA	al&d Architecture	University of Toronto	(Waldheim, Belanger]
2002-2006	M. Arch	School of Architecture	University of Waterloo	(Revington, Beesley, McKay]
1998-2006	B. Arch	School of Architecture	University of Waterloo	(McKay, Rynnimeri, Sliwka]
2007-2012	M. Arch	Architectural Science	Ryerson University	(McBurney, Schank-Smith]
2000-2011	B. Arch	Architectural Science	Ryerson University	(Ripley, Polo, Gorgolewski]
1997	D. Arch	Department Architektur	ETH, Zurich, CH	(Meili]
1997	B. Arch	School of Architecture	Carleton University	(Gianni]
1997	M. Arch	Faculty of Architecture	Bezalel, Jerusalem	(Guggenheim, Mintz]

11 LEADERSHIP AND SERVICE

HONORS AND AWARDS FOR SERVICE

2018 -2019   Fellow: Academic Leadership Program. *Big Ten Academic Alliance*. Ann Arbor, MI: University of Michigan [Selected by Provost's Office, to represent University of Michigan]

UNIVERSITY WIDE COMMITTEES / GROUPS / INITIATIVES

2023   Faculty Director of Arts Research and Discovery, *Search Committee* (Chair). University of Michigan.

2023   NAGPRA Project Associate (3 staff positions OVPR), *Search Committee* (Chair). University of Michigan.

2022 -present   *Arts Initiative Advisory Committee* (Member) University of Michigan.

2022 -present   *Native American Grave Protection and Repatriation Act (NAGPRA).* OVPR Unit Oversight. University of Michigan.

2022 -present   *Institute for Firearm Injury Prevention (IFIP).* OVPR Unit Oversight. University of Michigan.

2022 -present   Institute for Research on Women & Gender (IRWG) *Director Search Committee* (Member). University of Michigan.

2022   *U-M Wide Collections Review and Census.* Co-Directed with Michael Soloman (Provost / Rackham) University of Michigan

2022   *Non-Profit Sector Research Task Force.* (OVPR), (Chair). University of Michigan

2021 -present   *NAGPRA Advisory Committee* (OVPR), (Chair). University of Michigan.

2021 -present   *Museum of Anthropological Archaeology* (UMMAA), (Executive Board Member). University of Michigan.

2021 -present   *Henry Russel Awards and Lectureship Committee* (Co-Chair with Michael Soloman). University of Michigan.

2021 -present   *Anti Racism Grant Selection Committee*, (OVPR), (Chair). University of Michigan.

2021 -present   *Humanities Collaboratory Steering Committee*, (Member). University of Michigan.

2021 -present   *Integrated Master Plan Administrative Core Team*, (Member). University of Michigan.

2021 -2022   *Arts Initiative Goal Group - Interdisciplinary Collaboration & Research* (Member) University of Michigan.

2021 -2022   *Campaign Theme Group: Future of Equitable Education and Work*, (Member). University of Michigan.

2016 -present   *University of Michigan Urban Collaboratory*, (Founding Co-Director). University of Michigan.

2015 -2021   *University of Michigan Mcity* (Executive Board Member). University of Michigan.

2014 -2021   *University of Michigan Research Associate Deans Group* (Member). University of Michigan.

2017 -2018   *University of Michigan Mobility Coordinating Committee*, (committee member). University of Michigan.

2017 -2018   *University of Michigan –Tianjin University Joint Research Institute in Nantong,* (Center Director, Oversight Committee Member). University of Michigan.

2016 -2021   *University of Michigan Exercise & Sport Science Initiative (ESSI)* (Executive Board Member). University of Michigan.

2012   *SMART Research Area Specialist Hiring Committee* (Committee Member). University of Michigan Transportation Research Institute.

2011-2013   *Undergraduate Research Opportunity Program* (UROP), *Participating Research Faculty Member / Spring Research Symposium* (Poster Judge). University of Michigan.

2011-2018   *University of Michigan OVPR/ UMOR Grant Program* (Peer Reviewer). University of Michigan.

2010-2016   *WIMS (Wireless Integrated Microsystems) Center Infrastructure Thrust* (Collaborating Member). University of Michigan.

2010-2017   *SMART: (Sustainable Mobility & Accessibility Research & Transformation) UMTRI* (Steering Committee Member). University of Michigan.

2009-2011   *Sustainability Integrated Assessment Team: Buildings Group* (Faculty Lead). University of Michigan & Graham Environmental Sustainability Institute.

2008	*Responsive Architecture Research Group* (Founding Member). University of Waterloo.
2008-2009	*Institute for Sustainable Energy (WISE)* (Member). University of Waterloo.
2008-2009	*University of Waterloo Faculty of Engineering Solar Decathlon 2009* (Faculty Lead). University of Waterloo. [Departments: Architecture, Mechanical, Electrical, Mechatronics, Civil Engineering]

COLLEGE COMMITTEES / INITIATIVES

2016-present	*Master of Urban Design (MUD) Advisory Committee* (Member). Taubman College of Architecture and Urban Planning.
2019-2021	*Guardian Taubman Research Alliance* (Program Creator / Coordinator). Guardian, Taubman College of Architecture and Urban Planning.
2018-2020	*Space Planning Committee* (Member). Taubman College of Architecture and Urban Planning.
2016-2021	*Research Safety Committee* (Committee Chair (2016-2018), (Member). Taubman College of Architecture and Urban Planning.
2015-2017	*Design Research Program: Guardian Innovation in Glass* (Program Creator / Coordinator). Taubman College of Architecture and Urban Planning.
2014-2021	*Executive Committee* (ex officio). Taubman College of Architecture and Urban Planning.
2011-2013	*Master of Urban Design (MUD) Task Force* (Member). Taubman College of Architecture and Urban Planning.
2010-2018	*Ad-Hoc Committee on Sustainable Built Environment* (Committee Chair). Taubman College of Architecture and Urban Planning.
2009-2010	*Faculty Search Committee: Environmental Technology Cluster Hire w/ SNRE* (Member). Taubman College of Architecture and Urban Planning.

FACULTY COMMITTEES

2014-present	*M.Arch / MUD Admissions Committee*. Taubman College of Architecture and Urban Planning.
2014-2021	*Taubman College Architecture Program Faculty Mentor*.
2014-2016	*Educational Program Committee*. Taubman College of Architecture and Urban Planning.
2012-2013	*LEO Review Committee*. Taubman College of Architecture and Urban Planning.
2009-2013	*Admissions / Scholarships Committee*. Taubman College of Architecture and Urban Planning.
2009-2010	*Architecture Chair Advisory Committee*. Taubman College of Architecture and Urban Planning.
2009-2015	*Graduate Student Advisory Committee*. Taubman College of Architecture and Urban Planning.
2006,2008	*Digital Design Faculty Search Committee*. University of Waterloo, School of Architecture.
2006-2008	*Workshop and Facilities Committee*. University of Waterloo, School of Architecture.
2005-2008	Undergraduate Admissions Committee. University of Waterloo, School of Architecture.
2008	Student Awards Committee. University of Waterloo, School of Architecture.
2005	Accreditation Review Committee. University of Waterloo, School of Architecture.

INTERNATIONAL / NATIONAL ORGANIZATIONS

2015-2016	*ACADIA 35th Annual Conference Planning Committee* (Site Chair). ACADIA.
2014-2016	*International Journal of Architectural Computing* (Editorial Board). IJAC.
2010-2019	*Zero-Energy Mass Custom Home Research Network* (Founding Member). Glasgow School of Art, Mackintosh Environmental Architecture Research Unit.

| 2011 | *International Summer University on Energy* (Curricula Development Advisor). Helmholtz-Zentrum Berlin. |
| 2008-2010 | *Canadian Design Research Network / Design Research Canada* (Lead Area Researcher, Advisory Board Member).CDRN. |

SERVICE AT OTHER INSTITUTIONS

2019	*International Program Review and Assessment* (Reviewer) School of Architecture, Tianjin University, CN (Review Team: Steven French, Georgia Tech., Murray Fraser, Bartlett UCL., David Benjamin, Columbia GSAPP, Alexandra Hofmeister, DETAIL Magazine, Uta Hassler, ETH Zurich, Phillip Jones, Cardiff U.)
2018	*Faculty Development Awards* (Program Juror). College of Architecture and Design, University of Tennessee.
	Faculty Career Advancement Initiative Grant (Program Juror). Stuckeman School, Penn State University.
2017	*Seed Incentive Program (SIP) Grant* (Program Juror). University of Utah CAP.
2010-2011	*2012 Solar Decathlon Europe Project* (External Advisor). University College of London.
2009-2011	*Solar Decathlon: Living Light Prototype*, *PI: Edgar Stach* (External Advisor).University of Tennessee.
2007	*MUD Program* (Admissions Referee). John H. Daniels Faculty of Architecture, Landscape, and Design, University of Toronto.
2003-2010	*Thesis Program* (External Professional Advisor). Ryerson University.

PROMOTION AND TENURE CASE REVIEWER

University of California, Berkeley
University of Southern California
University of Tennessee
State University of New York (SUNY Buffalo)

Princeton University
Carnegie Mellon University
University of Massachusetts at Amherst

CONFERENCES / SYMPOSIA / WORKSHOPS ORGANIZED

| 2023 | **Faculty Symposium on Anti-Racism Research & Scholarship at the University of Michigan**
Michigan League Ballroom. Ann Arbor, MI: January 30–31, 2023
Co-Organized with Prof. Elizabeth Cole (NCID)

Remarks: Provost Laurie McCauley, VPR Rebecca Cunningham, Vice Provost Tabbye Chavous, Elizabeth Cole, AVP Trachette Jackson, AVP Geoffrey Thün
Panelists: F. DuBois Bowman, Anne Curzan, Elizabeth Moje, Carlos Jackson
Invited Presenters and Moderators: Matthew Bui, Anne Cong-Huyen, Ian Shin, Mara Ostfeld, Charles H.F. Davis III, Deborah Rivas-Drake, Paul Fleming, Whitney Peoples, James Holly, Jr., Jake Carlson, Donna Lartigue, Kate Livingston, Kelly Sexton, Jill Jividen, Ashley Cureton, Myles Durkee, Ketra Armstrong, Lorena Chambers, Johanna Mathieu, Lauren Oshman, Paul Chandanabhumma, Amy Schulz. |
| 2020 | **Emerging Urbanisms in De-Industrializing Urban Regions**
Taubman College of Architecture and Urban Planning. Ann Arbor, MI: Feb 21, 2020
Co-Organized with Assoc. Prof. María Arquero de Alarcón and Prof. Martin Murray

Keynotes: Lester Spence, Mathew Gandy
Invited Speakers and Panelists: Joshua Akers, Julie Bargmann, Ila Berman, Scott Campbell, Olaia Chivite Amigo, McLain Clutter, Jill Desimini, Angela D. Dillard, Ali Fard, Robert Fishman, Mona El Khafif, Ana María León, Jonathan Massey, Cyrus Peñarroyo, Jan Polívka, Christa Reicher, Anya Sirota, Kathy Velikov. |

2018	**Shaping Future Cities Symposium** Taubman College of Architecture and Urban Planning. Ann Arbor, MI: Nov 9, 2018 *Co-Organized with Assist. Prof. Robert Goodspeed*

Invited Speakers and Panelists: Michael Bell, Columbia GSAPP, Walter Greason, Monmouth University Toni Griffin, Harvard GSD, Vicente Guallart, Iaac Barcelona, Laura Forlano, IIT, Nigel Jacob, City of Boston Josh Sirefman, Sidewalk Labs, Bianca Wylie, Center for International Governance Innovation

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 Oct. 24-26, 2016: Computational Design and Digital Fabrication Workshops Oct. 27-29, 2016: Main Conference *Co-Organized with Profs. Kathy Velikov, Sean Ahlquist, Matias del Campo (Technical Co-Chairs),* *Sandra Manninger (Exhibition Chair), Wes McGee, Catie Newell (Workshop Co-Chairs)*

Keynote Speakers: Philip Beasley and Iris Van Herpen (Michigan Theatre), Elizabeth Diller, Princeton University and Diller Scofidio Renfrew (Power Center), J. Meejin Yoon, MIT and Höweler + Yoon Architecture LLP (Michigan Union), Theodore Spyropoulos, Architectural Association and Minimaforms, (Michigan Union), Mario Carpo, the Bartlett, University College London (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 Assoc. Prof. Kathy Velikov*

Invited Participants, Speakers and Authors: Bradley Cantrell, Harvard GSD, Dilip da Cunha, Penn Design, Michael Dear, Berkeley, Rania Ghosn, MIT, Justine Holzman, U. Tennessee, El Hadi Jaizary U. Michigan, Anuradha Mathur (Penn Design), Miho Mazereeuw, MIT, Sven Stremke, Wageningen University, Mobile Workshop: Dan Pitera Detroit Mercy, DCDC, Diane Van Buren, Zachary Assoc.

SESSION CHAIR / MODERATOR

2014	(2014, October 28-29). *Session Chair* : Architectural Membranes for High Performance Building Skins. At 9th Annual European Energy Forum: Advanced Building Skins. Bressanone, IT: European Energy Forum
2012	(2012, October 9). *Moderator*. Smarter Living: The 2000-Watt Society, Challenges, Goals, Opportunities. Ann Arbor, MI: Taubman College of Architecture and Urban Planning.
	(2012, August 20-22). *Session Chair*: Zero Energy Mass-Customized Housing: Initiatives and Practice. At ZEMCH 2012 Conference Glasgow, UK: ZEMCH.
2011	(2011, March 17-18). *Discussant*: Infra(re)structured. At The Lean Years: Infrastructure, Dwelling and Sustenance. Hill Auditorium, Ann Arbor, MI: University of Michigan.
2010	(2010, March 19-20). *Session Moderator*: Urban and Regional Ecologies. Future of Urbanism Conference. Ann Arbor, MI: University of Michigan. [Respondents: Chris Reed, Kazys Varnelis, Alan Berger, Edward Soja]
2007	(2007, October 20). *Session Chair:* That They May See: Experiments in Urban Visualization, ACSA Central Regional Conference. Campus / City. Cambridge, ON: University of Waterloo.
2006	(2006, June 8). *Session Co-Chair:* Sound and Architectural Education. AMA: Architecture / Music / Acoustics International Cross-Disciplinary Conference. Toronto, ON: Ryerson University.

PEER REVIEWER / JURY / REFEREE

2022	ACADIA International Conference, *Scientific Committee: Paper Referee*
2021	EcoCity Rotterdam, *Scientific Committee: Paper Referee*
2020	ACADIA International Conference, *Scientific Committee: Paper Referee*
	MITACS Accelerate Program: *Grant Proposal Reviewer*
2019	UIA-HYP Cup International Student Competition in Architectural Design, Tianjin, CN: *Jury Member, (Jury Chair: Benedetta Tagliabue)*
	MITACS Accelerate Program: *Grant Proposal Reviewer*
	ACADIA International Conference, *Scientific Committee: Paper and Projects Referee*
2018	TAD Journal: *Manuscript Peer Reviewer*
	ACADIA International Conference, *Scientific Committee: Paper Referee*
2017	*Building Research & Information*: External Manuscript Peer Reviewer
	2017 TxA Emerging Design + Technology conference, San Antonio, TX: *Paper Referee*
	National Geographic Society: *Grant Reviewer*
	ACADIA International Conference, *Scientific Committee: Paper Referee*
2016	2016 TxA Emerging Design + Technology conference, San Antonio, TX: Paper Referee
	ACADIA International Conference, *Scientific Committee: Paper and Projects Referee*
	ACSA International Conference, Cross Americas: Probing Dis Global Networks *Paper Referee: Design Strategies - Situated Creative Machines*
	International Journal of Architectural Computing (IJAC): *Scientific Committee / Reviewer*
2015	Leonardo, Journal of Arts, Sciences and Technology, *Paper Referee*
	ACSA International Conference*, Paper Referee: Architecture's Experimental Turn*
	Wiley Publishers: *Book Manuscript Reviewer*
2014	ZEMCH International Conference, *Paper Referee*
	Social Science and Humanities Council of Canada (SSHRC), INSITE *Grant Proposal Reviewer*
2013	MITACS Canada: Elevate Post-Doctoral Fellowship Program, *Grant Proposal Reviewer*
	Routledge/Taylor & Francis Publishers: *Book Manuscript Reviewer*
	ACADIA International Conference, *Paper Referee: Building System Adaptation*
	Open House International Journal: MEARU edition Vol 38 No. 3 *Zero-Energy Mass Custom Home Research Paradigms*: Paper Referee
2012	US Department of Energy, Advanced Research Projects Agency – Energy (ARPA-E) *Open FOA Proposal Peer Review Committee: Buildings and Energy*
	ACSA Annual Meeting: *Paper Referee: Rapid Cities, Prototyping Urban Growth*
	ZEMCH International Conference, *Paper Referee: High Performance Homes*
2011	ACSA Annual Meeting: *Paper Referee: Architecture's Responsive Extensions*
2010	ACSA Annual Meeting: *Paper Referee: Rebuilding Mobility*
2009-2012	National Peer Review Research Grant Evaluator: MITACS Accelerate Canada: *Grant Referee*
2008	*Open House International Journal*: MEARU edition Vol 33 No. 3 *The Quest for Zero Carbon Housing Solutions*: Paper Referee