

**MUD, B.Arch, BES, BA(Soc), MRAIC, LEED™ AP**

Associate Professor of Architecture  
Associate Dean for Research and Creative Practice  
Taubman College of Architecture and Urban Planning, The University of Michigan  
Partner / Director of Design Research, RVTR | [www.rvtr.com](http://www.rvtr.com)

## 01 EDUCATION

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

## 02 REGISTRATION AND PROFESSIONAL ASSOCIATIONS

- 2004-present      **Canada Green Building Council (CaGBC)/(USGBC)**  
LEED™ Accredited Professional
- 2002-2015      **Royal Architectural Institute of Canada (RAIC)**, Faculty Member
- 1998-2010      **Ontario Association of Architects (OAA)**, Member

## 03 ACADEMIC APPOINTMENTS

- University of Michigan, Ann Arbor MI**  
Taubman College of Architecture and Urban Planning
- 2014-present      Associate Dean for Research and Creative Practice
- 2014-present      Associate Professor of Architecture with tenure  
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  
2004 Fall      Adjunct Assistant Professor

## VISITING FACULTY POSITIONS

	<b>Dalhousie University</b> , Halifax NS, Canada School of Architecture
2012- 2017	Adjunct Associate Professor, External Reader, Master of Architecture
	<b>California College of the Arts</b> , San Francisco School of Design
2013 Summer	Visiting Professor, Master of Architecture
	<b>Université du Québec à Montréal</b> , PQ, Canada School of Design
2013 Winter	Visiting Professor, Advanced Studio Workshop: Master of Environmental Design
	<b>Freie Universität Berlin / Helmholtz-Zentrum Berlin für Materialien und Energie</b> , International Solar University, Falera, CH
2011 Summer	Visiting Professor, Solar Energy and Architecture Program
	<b>Ryerson University</b> , Toronto, ON Canada Department of Architectural Science
2010 Summer	Visiting Professor, Master of Architecture Summer Studio, Yeates School of Graduate Studies

## 04 PROFESSIONAL EXPERIENCE

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

## 05 SCHOLARLY WORK

### BOOK VOLUMES

- 2015 G. Thün, K. Velikov, C Ripley, D McTavish, *Infra-Eco-Logi Urbanism: A Project for the Great Lakes Megaregion* (Zurich CH: Park Books) ISBN: 978-3-906027722
- 2008 P. Beesley, K. Velikov, G. Thün, R. Woodbury, *NORTH HOUSE: Team North entry to the 2009 Solar Decathlon* (Cambridge ON, Riverside Architectural Press/ CDRN) ISBN: 978-0-9780978-9-9

### EXHIBITION CATALOGS

- 2008 G. Thün, K. Velikov, C. Ripley, E. Shipman, *rvtr: matters of concern / Research Based Architecture and Urbanism, Exhibition Catalogue* (Cambridge ON: Cambridge Galleries) ISBN: 978-1-897001-36-3

### BOOK CHAPTERS

- 2018 W. McGee, K. Velikov, G. Thün and D. Tish, "Prologue for a Robotic Architecture: Bridging design environments, robotic additive manufacture and systemic controls for kinetic in-formation", in *Towards a Robotic Architecture: Frameworks and Processes*, eds. A. Wit, M. Daas, (New York, ORO Editions): 190-203
- 2017 G. Thün and K. Velikov, "Shed Cartographies: A Methodology for Regional Research" in *Third Coast Atlas*, eds. D. Ibañez, C. Lyster, C. Waldheim, M. White (New York, ActarD): 84-95
- K. Velikov and G. Thün, "Infrastructure and Territory", and "Territorial Infrastructures: Recognizing Politico-environmental Ecologies" in *Infrastructure Space*, eds. I. Ruby and A. Ruby (Zurich: Ruby Press): 34-36, 194-208
- 2014 K. Velikov and G. Thün, "Towards an Architecture of Cyber-Physical Systems" in *Paradigms in Computing: Making, Machines, and Models for Design Agency in Architecture*, eds. D. Gerber, M. Ibanez (Los Angeles: eVolo / ActarD): 330-341
- G. Thün and K. Velikov, "CONDUIT Urbanism: Regional Ecologies of Energy and Mobility," in *A22 New Ecologies for Osmotic Infrastructures*, eds. Pino Scaglione and Mosè Ricci (New York, List / Actar) : 306-327 [Invited reproduction of original 2009 text with revisions and Italian translation]
- 2013 K.Velikov, L.Bartram, G. Thün, L.Barhydt, J.Rodgers, and R. Woodbury "Empowering the inhabitant: Communications technologies, responsive interfaces and living in sustainable buildings" in *Sustainability and the Places We Inhabit*, eds. Rebecca Henn and Andrew Hoffman (Cambridge: MIT Press): 171-195
- 2012 G. Thün and K. Velikov, "Conduit Urbanism: Rethinking Infrastructural Ecologies in the Great Lakes Megaregion, North America," in *Sustainable Energy Landscapes*, eds. Sven Stremke and Andy van Dobbelen (London: CRC Press/ Taylor & Francis): 261-284
- K. Velikov, C. Ripley, G. Thün, "Soft Goes Hard," in *Bracket [goes soft]*, eds. Neeraj Bhatia and Lola Sheppard (Barcelona: Actar), 34-48.  
[juried submission: B. Bratton, J.Czerniak, J. Inaba, G. Manaugh, P. Rahm and C. Renfro]
- K. Velikov and G. Thün, "Responsive Envelopes: Characteristics and Evolving Paradigms," in *Design and Construction of High Performance Homes*, ed. Franca Trubiano (London, Routledge): 75-92.
- G. Thün and K. Velikov, "North House: climate responsive envelope and control systems," in *Design and Construction of High Performance Homes*, ed. Franca Trubiano (London, Routledge): 265-282.
- 2010 G. Thün and K. Velikov, "Conduit Urbanism: Retooling Regional Ecologies of Energy and Mobility," in *Infrastructure as Architecture. Designing Composite Networks*, eds. Katrina Stoll and Scott Lloyd (GmbH: Jovis Verlag): 64-69.
- 2009 C. Ripley, G. Thün, K. Velikov, "Aqua Alte: Transforming the Venetian Lagoon," in *Water*, ed. John Knechtel (Cambridge: MIT Press): 220-239.

- 2008 G. Thün and K. Velikov, "Post-Carbon Highway," in *Fuel*, ed. John Knechtel (Cambridge: MIT Press): 164-211.
- 2007 G. Thün "On Translation, Intuition, and the Potency of Sonic-Spatial Relations " *In the Place of Sound*. eds., Ripley, Colin with Marco Polo and Arthur Wigglesworth, (Cambridge UK: Cambridge Scholars Press, 2007): 99-112.
- C. Ripley, K. Velikov, G. Thün, P. Raff, "Eat the City to Save the Planet: Toronto as New Agropolis," in *GreenTOpia*, eds. A. Wilcox, C. Pallasio, J. Dovercourt (Toronto: Coachouse Press): 226-228.
- G. Thün "Mapping the Wild: Emergent Ecosystems within Toronto's Western Rail Corridor" in *Toronto's Urban Unconscious* ed: Adrian Blackwell , (Toronto: University of Toronto / Coachouse Press, 2007) :22-28

## PEER REVIEWED ACADEMIC JOURNAL ARTICLES

- 2018 L. Junghans, D. Tish, D. Bruggman, G. Thün, K. Velikov, "Climate Measures: Experiments Toward Hyper-local Reverse Heat Flow Assemblies." in *Technology / Architecture + Design (TAD)*: Vol. 2, no. 2. (in review)
- 2017 S. Batterman, F-C Su, A. Wald, F. Watkins, C. Godwin, G. Thün, "Ventilation Rates in Recently Constructed US School Classrooms" in *Indoor Air*: 17:00: 1-11. <https://doi.org/10.1111/ina.12384>
- 2016 K. Velikov, G. Thün, "Urban Platforms for Appropriation: Protean Prototypes" in *OASE Journal for Architecture: OASE #96: SOCIAL POETICS\_ The Architecture of Use and Appropriation*, E. Vervloesem, M. Goethals, H. Yegenoglu, M. Dehaene, eds: NAI 010 Publishers, Vol 96 : 98-105
- 2015 K. Velikov, G. Thün, M. O'Malley, L Junghans, "Computational and Physical Modeling for Multi-Cellular Pneumatic Envelope Assemblies" in *International Journal of Architectural Computing (IJAC) Special Issue: Architectural Robotics*, Issue 2, Volume 13 : 143-168
- 2014 K. Velikov, G. Thün, M. O'Malley, Wiltrud Simbuerger "Nervous Ether: Soft Aggregates, Interactive Skins" in *Leonardo: The Journal of the International Society of the Arts, Sciences and Technology*, Vol 47 No.4: 344-351
- 2012 G. Thün, K. Velikov, M. O'Malley, L. Sauvé, "The Agency of Responsive Envelopes: Interaction, Politics and Interconnected Systems," in *International Journal of Architectural Computing (IJAC) Special Issue: Architectural Robotics*, Issue 3, Volume 10 : 377-400
- G. Thün, K. Velikov, C. Ripley, W. McGee, L. Sauvé, "Soundspheres: Resonant Chamber," in *Leonardo: The Journal of the International Society of the Arts, Sciences and Technology*, Vol 45 No.4: 348-357.
- K. Velikov, G. Thün, C. Ripley, "Thick Air," in *Journal of Architectural Education (JAE) 65:2, Special Issue: Beginning Design*, 69-97.
- C. Ripley, G. Thün, K. Velikov, "Cultural and Touristic Infrastructures in the Context of Megaregions" in *Spaces and Flows: An International Journal of Urban and ExtraUrban Studies*, Volume 2 Issue 1: 105-120
- C. Ripley, G. Thün, K. Velikov, "The Stratus Project: Responsive Interior Atmospheres," in *Interiors: Design / Architecture / Culture*, 3: 1-2, 43-58.
- 2009 C. Ripley, G. Thün, K. Velikov, "Matters of Concern," in *Journal of Architectural Education (JAE) 62:4, Special Issue: Alternative Architectures / Alternative Practice*, 6-14.

## JOURNAL / PERIODICAL ARTICLES

- 2018 K. Velikov, G. Thün, "Concrete Politics: How the Rio Grande came to separate the U.S. and Mexico", in *Border Operations, The Architect's Newspaper* (July / Aug Issue): 24
- 2013 K. Velikov, G. Thün, D. McTavish, "Fragmentary Utopistics: Towards a Manifesto for a Megaregional Public," in *Think Space Pamphlets, 2nd Edition*, ed. February 2013: 122-138.
- G. Thün, K. Velikov, "NORTH HOUSE: Prototyping Climate Responsive Envelope and Control Systems" in *Perkins + Will Research Journal*, Vol. 05.01: 39-54
- 2012 G. Thün, K. Velikov, C. Ripley, "Re-Centering the Periphery," in *Volume 32, Centers Adrift*: 30-37.
- 2011 G. Thün, K. Velikov, C. Ripley, "Infra- Eco- Logi- Urbanism," in *MONU #15 Post Ideological Urbanism*: 101-112

- 2010 G. Thün and K. Velikov, "North House Project," in *Canadian Architect*, 55:1: 123-128
- 2009 G. Thün and K. Velikov, "CONDUIT Urbanism: Regional Ecologies of Energy and Mobility," in *New Geographies 02: Landscapes of Energy*, ed. R. Ghosn (Cambridge: Harvard University Press): 83-96

## CONFERENCE PROCEEDINGS EDITED

- 2016 K. Velikov, S. Ahlquist, M. del Campo, G. Thün, ACADIA//2016 *Posthuman Frontiers: Data, Designers, and Cognitive Machines. Proceedings of the 36<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture*. [ACADIA] ISBN: 978-0-69277095-5, 507pgs, ill.
- K. Velikov, S. Manninger, M. del Campo, S. Ahlquist, G. Thün, ACADIA//2016 *Posthuman Frontiers: Data, Designers, and Cognitive Machines. Projects Catalog of the 36<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture*. [ACADIA] ISBN: 978-0-69277418-2, 350pgs, ill.

## PROCEEDINGS FROM PEER REVIEWED CONFERENCE PRESENTATIONS

- 2018 D. Tish, W. McGee, T. Schork, G. Thün, and K. Velikov. "Topological Design and Optimization of Robotic Additively Manufactured Cable-Nets." In *Proceedings of the IASS Symposium 2018*, edited by Caitlin Mueller and Sigrid Adriaenssens. IASS: Cambridge, MA.
- 2017 D. Tish, L. Junghans, D. Bruggmann, G. Thün, "Latitudo Borealis", in *ACADIA 2017: Disciplines & Disruption, Projects Catalog of the 37<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture*, eds. J. Lamere, C. Parreño Alonso. (Cambridge MA: ACADIA): 262-267
- W. McGee, G. Thün, K. Velikov, D. Tish, "Infundibuliforms: Kinetic Systems, Additive Manufacturing for Cable Nets, and Tensile Surface Control", in *FABRICATE: Rethinking Design and Construction*. eds. A. Menges, B. Scheil, R. Glynn, M. Skavara (London UK: UCL Press): 84-91
- 2016 K. Velikov and G. Thün "Protean Prototypes: Assembling Urban Platforms for Appropriation" in *Shaping New Knowledges: Proceedings of the 2016 ACSA National Conference*, eds. R. Corser and S. Haar (Washington DC: ACSA Press, Washington): 423-436.
- 2015 K. Velikov, G. Thün, C. Ripley, "Matters of Air: Atmospheric Explorations in the Pursuit of Responsive Architectures", in *What's the Matter? Materiality and Materialism at the Age of Computation*, ed. M. Voyatzaki, (Barcelona: ENHSA): 627-642
- 2014 G. Thün, K. Velikov "PneuSystems: Cellular Pneumatic Envelope Assemblies" in *ACADIA 2014: Design Agency, Proceedings of the 34<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture*, eds. D. Gerber, A. Huang, J. Sanchez (Cambridge ON: Riverside Architectural Press): 435-444
- G. Thün, K. Velikov, D. McTavish "The Megaregional Common: A framework for thinking megaregions, infrastructure and 'open' space", in *Specifics: Discussing Landscape Architecture*, eds. Christiane Sörensen, Karoline Liedtke (Berlin: Jovis Verlag): 356-361
- 2013 G. Thün, K. Velikov "Adaptation as a Framework for Reconsidering High Performance Residential Design: A Case Study", in *Adaptive Architecture, Proceedings of the 33<sup>rd</sup> Annual Conference of the Association for Computer Aided Design in Architecture*, eds. P. Beesley, O. Khan, M. Stacey (Cambridge ON: Riverside Architectural Press): 110-120
- 2012 G. Thün, K. Velikov, L. Sauvé, W. McGee "Design Ecologies for Responsive Environments: Resonant Chamber, an Acoustically Performative System," in *Proceedings of the 32nd Annual Conference of the Association for Computer Aided Design in Architecture: Synthetic Digital Ecologies* : 373-382
- 2011 K. Velikov, G. Thün, M. O'Malley, C. Ripley, "Toward Responsive Atmospheres: Prototype Exploration Through Material and Computational Systems," in *Proceedings of the ACADIA 2011 Annual Conference, Integration Through Computation*, eds. J. Taron, V. Parlac, B. Kolarevic, J. Johnson (Stoughton: The Printing House): 326-333.

- 2011 G. Thün and K. Velikov, "Constructing Knowledge through Action Research and Prototype Testbeds: Prioritizing Making in Architectural Research," in *Considering Research, Proceedings of the 2011 ARCC Spring Research Conference*, eds. P. Plowright, B. Gamper (Detroit: Lawrence Technical University): 315-326.
- 2010 G. Thün, K. Velikov, C. Ripley, "Territorialization of Renewable Energy and Mobility in the Great Lakes," in *ISES RE2010 Renewable Energy 2010 Proceedings*: OP-5-4.
- G. Thün and K. Velikov, "Mass-Customized Prefabricated Solar Residential Prototypes for Northern Climates" in *ISES RE2010 Renewable Energy 2010 Proceedings*: O-Ps-1-3.
- K. Velikov, G. Thün, L. Barhydt, "Responsive User Control Systems for Developing User Intelligence" in *ISES RE2010 Renewable Energy 2010 Proceedings*: O-At-5-1.
- K. Velikov and G. Thün, "Conduit Urbanism: Opportune Urban Byproducts of Bundled Megaregional Energy and Mobility Systems" in *ReBuilding: Proceedings of the 2010 ACSA National Conference*, eds. B. Goodwin and J. Kinnard (Washington DC: ACSA Press, Washington): 364-371.
- G. Thün and K. Velikov, "Building Capacity: Design Research as a Lever for Design Education Transformation" in *ReBuilding: Proceedings of the 2010 ACSA National Conference*, eds. B. Goodwin and J. Kinnard (Washington DC: ACSA Press, Washington): 102-111.
- 2009 G. Thün and K. Velikov, "Latitude Housing | North House Prototype: Prefabricating Building Integrated Photovoltaic Envelopes for Energy Positive Housing Design in Northern Climates" in *Solar Architecture and Urban Planning, Conference Proceedings of the 4<sup>th</sup> Energy Forum 2009* (Munich, DE: Economic Forum, 2009): 67-72
- C. Ripley, G. Thün, K. Velikov, "RVTR: Systems and Speculations" in *The Value of Design: Proceedings of the 2009 ACSA National Conference*, eds. M. Gillem, P., Crisman (Washington DC: ACSA Press): 808-811
- 2008 G. Thün, "Ravenous Urbanism" in *Seeking the City: Visionaries on the Margins Proceedings of the 2008 ACSA National Conference*, Froehlich, D., Pride, M. Editors (Washington, DC: ACSA Press): 282-290
- 2007 C. Ripley, G. Thün, "Interdisciplinary Translation: Sonic Practices as Pedagogical Tools in the Architecture Design Studio" in *Fresh Air: Proceedings of the 2007 ACSA National Conference*. eds. Bing, Judith, and Veikos, Catherine (Washington, DC: ACSA Press): 378-385
- 2006 G. Thün, "Translation and Permission" in *Architecture/Music/Acoustics: Proceedings of the 2006 AMA Conference*, eds. C. Ripley, M. Polo, A. Wrigglesworth (Toronto: REAL): 67-70.

## TECHNICAL RESEARCH REPORTS

- 2018 G.Thün, R. Smith, J. Sturt, L. Wong, K. Velikov *Designing Innovation: InnovaCity at Hangzhou, Recommendations for Structure and Implementation of a Smart City Competition*, Wanxiang Group Corporation, Sponsored Research / Consulting Report Phase I
- 2016 G.Thün, S. Zielinski, *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
- G.Thün, K. Velikov, S. Zielinski, *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

- 2018 D. Tish, W. McGee, T. Schork, G. Thün, and K. Velikov. "Topological Design and Optimization of Robotic Additively Manufactured Cable-Nets." at IASS 2018, Boston, MA. July 16-20
- 2017 D. Tish, L. Junghans, D. Bruggmann, G. Thün, "Latitudo Borealis", (Project Poster) at *ACADIA 2017: Disciplines & Disruption*, Cambridge, MA, Nov. 2-4.
- K. Velikov and G. Thün "Material Practices For Deep and Immanent Temporality" at *ACSA Fall Conference, Crossings between the Proximate and Remote*, Marfa, TX, Oct. 12-14.
- W. McGee, G. Thün, K. Velikov, D. Tish, "Infundibuliforms: Kinetic Systems, Additive Manufacturing for Cable Nets, and Tensile Surface Control", at *FABRICATE 2017*, Institute for Computational Design and Construction, Stuttgart, DE, Apr. 6-8.
- 2016 G. Thün, K. Velikov, K. Sternburgh, D. Burke, J. Myers, "Deep Monitoring / Common Health+: Prototypes for Chronic Health Care Delivery for Underserved & Remote Populations", at *2016 ACSA/ASPPH Conference: Building for Health and Well Being*, Manoa, Hawaii, Sept. 22-24.
- G. Thün, A. Wald, S. Batterman, F Su, F. Watkins, L. Zhong, C. Godwin, J. Wineman, C. Somers, "Indoor Environmental Quality in Public Schools: Repositioning Health at the Nexus of Design and Operation", at *2016 ACSA/ASPPH Conference: Building for Health and Well Being*, Manoa, Hawaii, Sept. 22-24.
- S. Batterman, G. Thün, F Su, A. Wald, F. Watkins, L. Zhong, C. Godwin, J. Wineman, C. Somers, "Indoor Environment in Schools: Comparing Conventional and High Performance Schools", at *IA2016: 14<sup>th</sup> Annual International Conference of Indoor Air Quality and Climate*, Ghent, BE, July 3-8.
- K. Velikov and G. Thün "Protean Prototypes: Assembling Urban Platforms for Appropriation" at *ACSA 104th National Conference, Shaping New Knowledges*, Seattle, WA, Mar. 17-19.
- 2015 K. Velikov, G. Thün, M. O'Malley, L. Junghans, "Novel Topologies, Models and Prototypes for Multi-Cellular Pneumatic Envelope Systems" at *7th Annual International conference on Textile Composites and Inflatable Structures – Structural Membranes*, Barcelona, ES, Oct. 19-21
- 2014 K. Velikov, G. Thün, M. O'Malley, L. Junghans, "Pneusystems: Prototypes for Biologically Inspired Air-Based Envelope Systems" at *9<sup>th</sup> Annual European Energy Forum: Advanced Building Skins*, Bressanone, IT, Oct. 28-29
- G. Thün, K. Velikov, M O'Malley "PneuSystems: Cellular Pneumatic Envelope Assemblies", at *ACADIA 2014: Design Agency*, Los Angeles, CA, Oct. 23-25
- K. Velikov, G. Thün, C. Ripley, "Matters of Air" at *What's the Matter? Materiality and Materialism in the Age of Computation, International Conference*, COAC, ETSAB, ETSAV, Barcelona, ES. Sept 4-6
- K. Velikov, G. Thün, M. O'Malley, W. Simbuerger, "Nervous Ether: Soft Aggregates, Interactive Skins," at *Siggraph 2014: 41<sup>st</sup> Annual International Conference, Art Papers Session*: Vancouver, BC, August 11-13.
- G. Thün "Infra-Eco-Logi Urbanism: Rethinking How Renewable Energy and New Mobility Might Shape Urban Form in the Great Lakes Megaregion", *Adaptation in the Great Lakes Region Conference*, University of Michigan, Ann Arbor, MI: June 24-26
- G. Thün, "Infra-Eco-Logi-Urbansim" in Special Focus Session: Faculty Design Awards at *ACSA 102nd National Conference: Globalizing Architecture/ Flows and Disruptions*, Miami, FL, April 9-11
- 2013 S. Alquist, C. Newell, G. Thün, K. Velikov, "Towards a Pedagogy of Material Systems Research", at *TxA Interactive Annual Convention*, in Fort Worth, TX, November 7-9 2013.
- G. Thün, K. Velikov "Adaptation as a Framework for Reconsidering High Performance Residential Design: A Case Study", at *ACADIA 2013, Adaptive Architecture*, Cambridge ON, Oct. 24-27.
- G. Thün, K. Velikov, D McTavish "The Megaregional Common: A framework for thinking megaregions, infrastructure and 'open' space", at *Specifics: European Council of Landscape Architecture Schools (ECLAS) 2013 Annual International Conference*, Hamburg DE, Sept. 22-25.
- 2012 G. Thün, K. Velikov, W. McGee, L Sauv , "Design Ecologies for Responsive Environment Systems: Resonant Chamber, an acoustic performative model," at *ACADIA 2012 Annual Conference, Synthetic Digital Ecologies*, San Francisco, Oct. 18-21.

- G. Thün, K. Velikov, M. O'Malley, C. Ripley, "Latitude Housing System: A strategy for Mass-Customized Manufacture of Net-Energy Positive Housing for the Great Lakes Megaregion," at *ZEMCH 2012 Conference*, Glasgow, UK, Aug. 20-22.
- G. Thün, K. Velikov, C. Ripley, W McGee, L Sauve "Soundspheres: Resonant Chamber," at *Siggraph 2012: 39<sup>th</sup> Annual International Conference, Art Papers Session*: Los Angeles, CA, Aug. 5-9.
- 2011 C. Ripley, G. Thün, K. Velikov, "Cultural and Touristic Infrastructures in the context of Megaregions," at *2nd International Conference on Spaces and Flows*, Monash University, Prato, IT, Nov 17-19.
- K. Velikov, G. Thün, M. O'Malley, C. Ripley, "Toward Responsive Atmospheres: Prototype Exploration Through Material and Computational Systems," at *ACADIA 2011 Annual Conference, Integration Through Computation*, Banff, Alberta, Oct. 11-16.
- G. Thün and K. Velikov, "Air Design: Responsive Systems and Dynamic Environments," at *CISBAT 2011 Conference*, Lausanne, Switzerland, Sept. 14 -16.
- G. Thün and K. Velikov, "A Distributed Responsive System of Skins," at *CISBAT 2011 Conference*, Lausanne, Switzerland, Sept. 14 -16.
- G. Thün and K. Velikov, "Constructing Knowledge through Action Research and Prototype Testbeds: Prioritizing Making in Architectural Research," at *2011 ARCC Spring Research Conference*, Lawrence Technological University, Detroit, MI, Apr. 20-24
- G. Thün and K. Velikov, "The Future of Responsive Envelope Design: How User-Centered Solutions are Transforming the Design of Sustainable Domains," at *7th International Conference on Technology, Knowledge and Society*, University of the Basque Country, Bilbao, Spain, Mar. 25-27.
- G. Thün, K. Velikov, C. Ripley, "Responsive Envelopes and Air Design: The Stratus Project," at *Adaptive Architecture Conference*, The Building Centre, London, UK. Mar. 3-5.
- G. Thün and K. Velikov, "DReSS: A Climate and Occupant Responsive Residential Envelope System," at *Adaptive Architecture Conference*, The Building Centre, London, UK. Mar. 3-5.
- C. Ripley, G. Thün, K. Velikov, "The Experience Landscape" Poster Presentation, at *ACSA 99th National Conference: Where do you Stand?*, Montreal, Québec, Mar. 3-6.
- 2010 G. Thün, K. Velikov, C. Ripley, "Territorialization of Renewable Energy and Mobility in the Great Lakes Region," at *ISES RE2010 Renewable Energy 2010 Conference*, Yokohama, Japan, June 27-July 2.
- G. Thün, K. Velikov, "Mass-Customized Prefabricated Solar Residential Prototypes for Northern Climate Applications," at *ISES RE2010 Renewable Energy 2010 Conference*, Yokohama, Japan, Jun. 27-Jul. 2.
- K. Velikov, G. Thün, L Barhydt, "Responsive User Control Systems for Developing User Intelligence," at *ISES RE2010 Renewable Energy 2010 Conference*, Yokohama, Japan, Jun. 27-July 2.
- K. Velikov, G. Thün, L Barhydt, L. Bartram, J. Rodgers, R. Woodbury "Empowering the Inhabitant: Communications Technologies, Responsive Interfaces and Living in Sustainable Buildings," at *Constructing Green: Sustainability and the Places We Inhabit*. University of Michigan, Ann Arbor, MI. May 20-22.
- G. Thün and K. Velikov, "Building Capacity: Design Research as a lever for Design Education Transformation," at *ACSA 98th National Conference, ReBuilding*, New Orleans, LA, Mar. 4-7.
- K. Velikov and G. Thün, "Conduit Urbanism: Opportune Urban Byproducts of Bundled Megaregional Energy and Mobility Systems," at *ACSA 98th National Conference: ReBuilding*, New Orleans, LA, Mar. 4-7.
- 2009 G. Thün and K. Velikov, "Latitude Housing | North House Prototype: Prefabricating Building Integrated Photovoltaic Envelopes for Energy Positive Housing Design in Northern Climates": *4<sup>th</sup> Annual European Energy Forum : Solar Architecture & Urban Planning*, Bressanone, IT, Dec. 2-4.
- K. Velikov and G. Thün "DReSS: Distributed Responsive System of Skins" (poster), at *4th Energy Forum on Solar Architecture and Urban Planning*, Bressanone, IT, Dec. 2-4.
- K. Velikov, C. Ripley, G. Thün, "RVTR: Systems and Speculations" at *ACSA 97th National Conference: Faculty Design Presentations*, Portland OR, Mar. 26-28.
- 2008 G. Thün and K. Velikov, "North House: Contemporary Critical Regionalism and the Emerging North," at *35<sup>th</sup> Conference of the Society for the Study of Architecture in Canada (SSAC)*, Yellowknife, NWT, Jun. 28-30.



G. Thün "Topography and Ephemera" 35<sup>th</sup> at 35<sup>th</sup> Conference of the Society for the Study of Architecture in Canada (SSAC), Yellowknife, NWT Jun. 28-30.

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

G. Thün and K. Velikov, "RVTR: matters of concern / Recent Work" Young Architect's Forum, Architecture League of New York, NYC, NY. May. 8

G. Thün, "Ravenous Urbanism" at *Seeking the City: ACSA 96th National Conference*, Houston, TX., Mar. 27-30.

C. Ripley, G. Thün, K. Velikov, "Buoyant Aquacology," poster presentation, at *Seeking the City: ACSA 96th National Conference*, Houston, TX., Mar. 27-30.

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

2006 G. Thün, "Translation and Permission" at *AMA: Architecture / Music / Acoustics International Cross-Disciplinary Conference*, Ryerson University, Toronto ON. June 8-10

## CONFERENCE / SYMPOSIA / WORKSHOPS ORGANIZED

- 2018 **Shaping Future Cities Symposium**  
Taubman College of Architecture and Urban Planning. Ann Arbor, MI  
Speakers and Panelists: Michael Bell, Columbia GSAPP, Walter Greason, Monmouth University  
Toni Griffin, Harvard GSD, Vicente Guallart, Jaac 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.**  
36<sup>th</sup> Annual Conference of the Association for Computer Aided Design in Architecture. Ann Arbor, MI  
Oct. 24-26: Computational Design and Digital Fabrication Workshops  
Oct. 27-29: Main Conference  
Keynote Speakers: Philip Beasley and Iris Van Herpen (Michigan Theatre), Elizabeth Diller (Power Center)  
Theodore Spyropoulos (Michigan Union), Mario Carpo (Michigan Union).

## INVITED LECTURES, PRESENTATIONS, SYMPOSIA, PANELS, WORKSHOPS

- 2018 "Plausible Futures: On Shaping Future Cities, Design Research and mCity Initiatives", at *mCity Leadership Circle General Session* meeting, North Quadrangle Complex, Ann Arbor, MI: Aug 21
- "infra eco logi urbanism: A Project for the Great Lakes Megregion", Invited Keynote in Polycentricity & Multi-scale Models session at *Transforming City Regions III: From Walled City to the Integrated City*, International Symposium, Zeche Zollverein, Essen. Germany: May 28-29
- "Re-Scripting the Urban: System, Structure Code", *City of Flows: International Research Symposia*, University Technology Sydney (UTS), Sydney AU: May 16
- "Beyond Technology: Reprioritizing Urban Life amidst a Torrent of Technological Speculation", *Autonomous Vehicles, Smart Cities and our Collective Futures*, Urban Land Institute: National Spring Meeting, Detroit / Ann Arbor MI: May 1
- "(re)Designing Mobility Infrastructures for Equitable Access", *The Future of Transportation – Engineering Systems to Enhance Equity*, (panel) at *The Road Out of Poverty: A Transportation and Economic Mobility Symposium*: University of Michigan: Michigan League, Ann Arbor.MI: Mar 15
- "It All Depends", *The Future of Cities and Real Estate in an Autonomous Vehicle World*, Urban Land Institute: Chicago Chapter, 353 N. Clark Street, Chicago, IL: Feb 22
- "Plausible Futures: Approaching Architecture and Urban Design from a Complex Systems Perspective", *2018 OLLI Lecture Series: Architecture: Shaping Buildings, Shaping Us*, Osher Lifelong Learning Institute, Towsley Auditorium, Morris Lawrence Building Ann Arbor, MI: Feb 15
- 2017 "Re-Scripting Urban Ecologies", Public Lecture and Invited MS/ MArch Program Workshop. Slocum Hall, School of Architecture, Syracuse University, Syracuse, NY: Nov 16-18
- "Third Coast Atlas: Prelude to a Plan", *Booklaunch and Lecture*, Taubman College of Architecture and Urban Planning, Ann Arbor, MI: Nov 7
- "Representation of jurisdictional complexity in evaluating food-energy-water nexus challenges across cascading scales from the region to the city scale", *FWE Nexus Research Workshop*, KEIO University, Tokyo, JP: Aug. 31.
- "Possible Futures: Nantong Central Innovation District", Science and Technology Park, Nantong High-Tech Industrial Development Zone, Nantong, CN: May 15
- "RVTR: Design[ing] Ecologies", *School of Architecture Lecture Series*, Dalhousie University, Halifax NS: Mar. 21
- "RVTR: Responsive Envelopes and Design Research Futures", *Doctoral Program Series*, University of Technology Sydney (UTS), Sydney, AU: Feb. 28
- "Regional Wood Futures: Why innovation matters and where are the frontiers?" at *Michigan Forest Bioeconomy Conference*, L.V. Eberhard Center, Grand Rapids, MI: Feb. 2.
- 2016 "Deep Monitoring: Leveraging Logistics to deliver chronic care in remote and underserved areas", at *4<sup>th</sup> Annual International Speakers Series*, Oliphant Marshall Auditorium, Kellogg Eye Center, University of Michigan, Ann Arbor MI: Oct. 20
- "EXTRACTION: Deconstructing Canada at the Venice Biennale", *Fall Lecture Series*, Taubman College of Architecture and Urban Planning, University of Michigan, Ann Arbor MI: Sept. 16
- Workshop Organizer / Moderator "Territorial Scale" *LafargeHolcim Foundation 5th International Forum 2016 – Infrastructure Space*, Wayne State University, Detroit, MI: April 7-9
- 2015 "Design-Research Practice", University of Tennessee College of Architecture and Design, Knoxville, TN: Nov. 2
- "Why Infra-Eco-Logi?: Regional Systems, Complex Synergies" Ewing Gallery of Art and Architecture, University of Tennessee, Knoxville, TN: Oct. 5
- "Cascading Scales of Sustainability in the Built Environment", *TJU / U-M Joint Forum on Research*, Tianjin University, Tianjin, CN: June 1

- "Environmental Quality, Health and Learning in High Performance School Buildings", *Healthy Schools: Environmental Factors, Children's Health and Performance, and Sustainable Building Practices*, US EPA Conference Center, Arlington, VA: Apr. 21
- "New Mobility Mapping: Instruments, Disruptive Technologies and Economies", *Transportation Research Board of the National Academies*, Los Angeles, CA: Feb. 6
- 2014 Session Chair, "Architectural Membranes for High Performance Building Skins" at *9<sup>th</sup> Annual European Energy Forum: Advanced Building Skins*, Bressanone, IT: Oct. 28-29
- "InfraEcoLogi Urbanism", School of Architecture, University of Waterloo, Cambridge, ON: Oct. 14
- Invited Participant: Duurzame Transportcorridor Betuwe (DTB): Design Symposia to evaluate potential futures for the regional logistics, energy and mobility systems, Arnhem - Doorwerth, NL: Apr. 17-18
- "InfraEcoLogi Urbanism", Wageningen University and Research Center, *Spring Lecture Series*, Wageningen, NL: Apr. 16
- "Responsive Envelopes", *School of Architecture Lecture Series*, Dalhousie University, Halifax NS: Mar. 17
- "InfraEcoLogi Urbanism", *Gallery Talk*, Ryerson University, Toronto, ON: Mar. 4
- "Mapping the New Mobility Economy", *Ford URP Research Project Presentation Series*, Ford Research and Innovation Center, Dearborn, MI: Feb 26
- 2013 "Integrated Responsive Building Envelopes" *8<sup>th</sup> Annual European Energy Forum: Advanced Building Skins*, Bressanone, IT: Dec. 5-6
- "North House Responsive Systems", Special Project Tour at *ACADIA 2013, Adaptive Architecture*, Cambridge ON: Oct. 25
- "Framing The Megaregion: Political, Ecological, Social, Cultural and Sustainable Frameworks", Panel Session w/ Profs. Ugo Lachapelle, Philippe Lupien, Daniel Pearl, Éric Weiss-Altaner and Geoffrey Thün; Modérateur: Börkur Bergmann, Directeur, Centre de Design, Université du Québec à Montréal PQ: Mar. 27
- "On Responsive Envelopes", *2013 Winter Lecture Series*, School of Architecture and Urban Planning, University of Milwaukee WI: Mar.8 2013
- "Projective Research in the Great Lakes Megaregion: Sheds, Synergies and Speculations", *2013 Winter Lecture Series*, Lawrence Technical University, Southfield, MI: Mar. 5
- "InfraEcoLogi Urbanism(e)", École de Design, Université du Québec à Montréal, PQ: Feb. 7
- 2012 Invited Panelist: "Curricula and Façade Innovation", at *Collaboration: Façades and Innovation*, Illinois Institute of Technology (IIT), Chicago IL: Oct 11-12
- Session Chair: *"Zero Energy Mass-Customized Housing: Initiatives and Practice"*, *ZEMCH 2012 Conference*: Glasgow, UK: Aug 20-22
- "Responsive Envelopes", *NSF Workshop on High Performance Buildings*, University of Illinois at Urbana-Champaign, Offices of Perkins & Will, Chicago, IL: Jul. 26-27
- Invited Panelist: "Peri-Urbanism", Architekturforum Aedes, Aedes Pfefferberg, Berlin DE: May. 23
- 2011 "On Mapping", *Michigan Regional Connect and Prosper Partners Meeting*, Ann Arbor, MI: Dec. 12
- "Wireless Interface Systems in the Built Environment: Research Projections", *WIMS<sup>2</sup> Wireless Integrated Micro Sensing & Systems Annual Industrial Advisory Board Meeting*, Lurie Engineering Center, University of Michigan, Ann Arbor MI: Oct 22
- Invited Panelist: "Landscape and Reclamation", Department of Art, The University of Toledo, OH: Oct 14
- "Recalibrating Relations: High Performance Environments and Responsive Controls", *Energy and Environment Lecture Series*, La Fermata Conference Centre, Falera CH: Aug 23
- "Responsive Envelopes & Energy Harvesting Building Skins", Department of Building, National University of Singapore: June 11
- "Re-imagining Sustainable Dwelling – How Technological Integration May Reshape Domestic Life"  
Keynote Address: 2011 *HSH Sustainable Home Design Awards Gala*, Toronto, ON: Apr 12

- 2011 "Transforming Transportation through Design", Workshop Leader: *Summit on Transforming Transportation: Economies and Communities*, Detroit, MI: Apr 7-9
- "Design Intelligence and Possible Urban Futures", Panelist: Rethinking Sustainability: Artist and Designer Led Approaches, *Rust Belt to Artist Belt III, Cultivating Talent and Innovation to Transform Post-Industrial Cities*, Detroit, MI: Apr 6
- 2010 "High Performance Prefab: Integrating Occupant Responsive Envelopes" *2010 Architect Magazine R&D Symposium*, Chicago, IL: Sept 23
- "RVTR: Recent Work" *2010 Visiting Lecture Series*, Department of Design and Architecture, Iceland Academy of the Arts (IAA), Reykjavik, Iceland: Aug 28
- "RVTR: matters of concern" *bareKRAFTIGarkitektur Summer Lecture Series*, Norwegian University of Science and Technology (NTNU) in Trondheim, Norway; Aug 23
- "High Performance Buildings and the Integrated Design Process" Invited Presentation and IDP Workshop to the Canadian National Capital Commission, Ottawa, ON: May 18
- "RVTR: matters of concern" *Economies Lecture Series*, Knowlton School of Architecture, Ohio State University, Columbus OH: Jan 13
- 2009 "High Performance Residential Building Systems" AIA Chapter Event, *Invited Speaker*, US Mathematics Institute, Washington, DC: Oct 15
- "Latitude Housing System / North House Prototype" Sustainable Buildings Canada, *Invited Speaker Series*, Autodesk Headquarters, Toronto, ON: Aug 5
- "North House Project(ions)" at *2009 Energy Futures Available Today Conference* Centre for International Governance Innovation (CIGI), Waterloo, ON: May 19
- "North House Project" Ryerson University Faculty of Architecture, Toronto, ON. Mar 19
- "401 Futures", Faculty of Engineering, University of Toronto, Toronto, ON: Jan 29
- 2008 "Post- Carbon Highway", Fuel Conference: AbC/ Talk 20 Forum Daniels Faculty of Architecture, Landscape, and Design, Toronto ON: Nov. 28
- "RVTR: matters of concern" Dalhousie University, Halifax, NS: Nov. 24
- "RVTR: matters of concern" Arriscraft Lecture Series, WAC, Cambridge ON: Jan 25
- "Topography and Ephemera", A Alfred Taubman College of Architecture and Urban Planning, University of Michigan, Ann Arbor MI: March 10
- "Ground Operations", Sheridan College, Mississauga ON: March 3
- 2007 ACSA Central Fall Conference: *Campus / City*. Session Chair: *That They May See: Experiments in Urban Visualization*. University of Waterloo, Cambridge ON: Oct 20
- "Toronto: Morphology, Masterplanning and Morphogenesis", John H. Daniels Faculty of Architecture, Landscape and Design, University of Toronto, Toronto, ON: Oct 1
- "Fluid Geology: Topographic Inflections", *Talking / On Water Series* sponsored by *on/site* magazine Gladstone Hotel, Toronto ON: June 7
- 2006 "Grounding: The Terrain of Encounter", University of Waterloo Lecture Series, Cambridge ON: May 16
- "Grounding: The Terrain of Encounter", State University of New York, Buffalo NY: Feb 16
- AMA: Architecture / Music / Acoustics International Cross-Disciplinary Conference, Session Co-Chair: *Sound and Architectural Education* Ryerson University, Toronto ON: June 8

## ACADEMIC AWARDS

2018	Fellow, 2018-19 Academic Leadership Program. Big Ten Academic Alliance
2013	Journal of Architectural Education, <i>Best Design as Scholarship Article Award</i> Association of Collegiate Schools of Architecture Faculty Awards Program: <i>Thick Air</i>
2008	University of Waterloo, Faculty of Engineering <i>Outstanding Faculty Researcher Award</i>
2006	Ontario Graduate Scholarship Award, University of Toronto
2005	Academic Fellowship, University of Toronto
1996	A.I.A. Henry Adams Gold Medal of Distinction University of Waterloo
1994-1995	University of Waterloo School of Architecture: Smale Fellowship
1994	University of Waterloo Faculty of Environmental Studies Dean's Honor Role
1991-1992	University of Waterloo Studio Design Award
1986	Entrance Scholarship, University of Western Ontario

## 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: <i>preliminary disclosure complete. Currently optioned under a non-exclusive licensing agreement by Ford Motor Company.</i>
2016	U.S. Patent No. 9,260,863: Thün et al, "Dynamically Responsive Acoustic Tuning Envelope and Method"
2014	Provisional Application: "Multi-Cellular Aggregate Envelope Systems" Serial No. 62/026,750 Filed July 21, 2014 US Patent and Trademark Office, Status: <i>preliminary disclosure complete</i>
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

## AWARDED GRANTS, CONTRACTS & SPONSORED RESEARCH

2018	<b>Taubman College, University of Michigan</b> Prototyping Tomorrow Grant: <i>Breathing Territories</i> Duration: 1.5 years: <i>ongoing</i> [K. Velikov PI, G. Thün, E Kripa, (Texas Tech) S. Mueller (Texas Tech) CoPIs]	\$20,000
	<b>Belmont Forum SUGI FEW (Food, Energy Water Nexus Program)</b> Total Project Grant: € 1,700,000 / US Funding via NSF to U-M: U-M Cost Share: Project Grant: <i>M_NEX: The Moveable Nexus: Design-led urban food, water and energy management innovation in new boundary conditions of change.</i> Duration: 3 years, <i>ongoing</i> U-M Team: [G. Thün, Ming Xu (SEAS) PIs] U-M Senior Personnel: [M. Arquero, L. Hoey, M. Norman, A. Sirota N. Love, G Daigger.] International PIs: [W. Yan, KEIO University, Japan, A. Dobbelstein TU Delft, NL, G. Keefe, Queens U, Belfast UK, A. Grichting Solder, Kas Oosterhuis Qatar U, Doha, Qatar, R. Roggema, UTS, Sydney, AU]	\$250,000 \$ 50,000
	<b>Wanxiang Group Corporation</b> Sponsored Project: <i>InnovaCity: Hangzhou China.</i> <i>SmartCity Grand Challenge Competition and Research Development: Phase I</i> Duration: 1 year, <i>ongoing</i> [J. Lynch: PI, G. Thün, J. Sayer CoPIs]	\$300,000

2017	<p><b>Ford Motor Company   Alliance Program</b> <span style="float: right;">\$255,626</span>  Project Grant: <i>Multi-Modal Design Prototypes and Platform Development to Accelerate New Mobility-enabled Access and Enterprise: San Francisco</i>  Duration: 2 years, <i>ongoing</i>  [G. Thün PI, K. Velikov CoPI. Ford PI: J. Coleman]</p> <p><b>Urban Collaboratory</b> <span style="float: right;">\$40,000</span>  Project Grant: <i>Prototype Design for New Mobility Hubs Benton Harbor, MI</i>  Duration: 2 years, <i>ongoing</i>  [G. Thün PI, K. Velikov CoPI]</p>
2016	<p><b>Ford Motor Company   Alliance Program</b> <span style="float: right;">\$219,985</span>  Project Grant: <i>Multi-Modal Design Prototypes and Platform Development to Accelerate New Mobility-enabled Access and Enterprise: SE Michigan and Chicago</i>  Duration: 2 years, <i>ongoing</i>  [G. Thün PI, K. Velikov CoPI. Ford PI: J. Coleman, Advisor: S. Zielinski]</p> <p><b>Taubman College, University of Michigan</b> <span style="float: right;">\$19,900</span>  Research Through Making Grant: <i>Latitudo Borealis</i>  Duration: 1 year: <i>complete</i>  [L. Junghans PI, G. Thün, CoPI]</p>
2015	<p><b>US Environmental Protection Agency (EPA)</b> <span style="float: right;">\$850,000</span>  Project Grant: <i>Environmental Quality, Health and Learning in Conventional and High Performance School Buildings</i>  Duration: 3 years, <i>complete</i>  [S. Batterman, PI, G. Thün, J. Wineman, C. Somers (WSU), N. McCaughtry (WSU), CoPIs]</p> <p><b>University of Michigan Third Century Initiative: Global Transformation</b> <span style="float: right;">\$395,000</span>  Phase 2 Project Grant: <i>Deep Monitoring: Chronic Disease in Underserved &amp; Remote Populations</i>  Total Project: \$1,600,000 [D. Burke, J. Myers, M. Burns PIs]  Duration: 3 years, <i>ongoing</i>  Project Subgrant: <i>Spatial Prototypes for Community Chronic Care Delivery</i>  [G. Thün, K Velikov, CoPIs]</p> <p><b>University of Michigan Office for Research, Taubman College Research Fund</b> <span style="float: right;">\$ 5,000</span>  Artistic Productions and Performances Grant: <i>EXTRACTION: Venice Biennale Exhibition</i>  Duration: 1 year, <i>complete</i>  [G. Thün PI] <span style="float: right;">\$ 5,000</span></p> <p><b>Taubman College, University of Michigan</b> <span style="float: right;">\$19,976</span>  Research Through Making Grant: <i>Infundibuliforms</i>  Duration: 1 year: <i>complete</i>  [G. Thün, W. McGee, K Velikov, J Lynch CoPIs]</p>
2014	<p><b>US Department of Transportation Nexttrans Region 5 UTC</b> <span style="float: right;">\$78,680</span>  Project Grant: <i>Access-Enabling Architectures: New Hybrid Multi-modal Spatial Prototypes</i>  Duration: 2 years: <i>complete</i>  [G. Thün, PI, K Velikov, S. Zelinski CoPIs]</p> <p><b>University of Michigan</b> <span style="float: right;">\$19,960</span>  Research on the City Grant: <i>Protean Prototypes</i>  UMOR Small Projects Grant <span style="float: right;">\$14,900</span>  Duration: 1 year: <i>complete</i>  [G. Thün, PI, K Velikov, Dan McTavish CoPIs, S. Zelinski Collaborator]</p> <p><b>AIA Upjohn Research Initiative</b> <span style="float: right;">\$23,000</span>  Project Grant <i>"Responsive Pneumatics"</i>  Duration: 1.5 years, <i>complete</i>  [G. Thün, K. Velikov PIs]</p>

2013	<p><b>Ford Motor Company</b>  Project Grant: <i>Mapping New Mobility: A Data-Driven Graphic Platform</i>  Duration: 3 years, <i>complete</i>  [G. Thün PI, S. Zelinski CoPI]</p>	\$105,000
	<p><b>US Department of Transportation Nexttrans Region 5 UTC</b>  Showcase Project: <i>Accessible Transportation: From Lab to Practice</i>  Duration: 2 years, <i>complete</i>  [PI: J Levine, CoPIs: J Grengs, S. Zelinski, G Thün]</p>	\$150,000
	<p><b>University of Michigan</b>  Taubman College Research Through Making Grant: <i>Pneuspaces</i>  OVRP Small Projects Grant  Rackham SROP Program (Doctoral Student: Wiltrud Simbuerger)  Duration: 1 year: <i>complete</i>  [K Velikov, G. Thün, Pls, Santinder Singh Baveja, Collaborator]</p>	\$19,976 \$14,900 \$ 4,000
	<p><b>US Department of Transportation Nexttrans Region 5 UTC</b>  Project Grant: <i>New Mobility Solutions: Emerging Sector Mapping</i>  Duration: 3 years, <i>complete</i>  [G. Thün, PI, S. Zelinski, CoPI]</p>	\$106,290
	<p><b>Office of the Vice President for Research, University of Michigan  Taubman College Research Fund</b>  Artistic Productions and Performances Grant: <i>InfraEcoLogi Urbanism(e)</i>  Duration: 6 months, <i>complete</i>  [G. Thün PI]</p>	\$13,840 \$ 4,995
2012	<p><b>Office of the Vice President for Research, University of Michigan</b>  Special Project Grant: <i>Integrated Responsive Building Envelopes (IRBE)</i>  Duration: 3 years, <i>complete</i>  [G. Thün &amp; J. Lynch Pls / Li, Velikov, Wineman, Junghans, Cotel, Peterson, Keolian CoPIs]</p>	\$534,950
	<p><b>Office of the Vice President for Research, University of Michigan  Taubman College GSRA Support</b>  Small Scale and Preliminary Project Grants: <i>The Pillow Case: Light Sensitive ETFE Prototyping</i>  Duration: 1 year, <i>complete</i>  [K Velikov PI, G. Thün, L. Junghans Collaborators]</p>	\$15,000 \$ 9,000
	<p><b>Alcoa Foundation: Institute for International Education</b>  <i>Sponsored Research Subcontract</i>  Project: <i>MobiPrize Development</i> 1 year, <i>complete</i>  [S. Zelinski, PI, G. Thün, Collaborator]</p>	\$10,000
	<p><b>UMEI 2012 Fellowship Program</b>  [University of Michigan Energy Institute]  Duration: 4 months, <i>complete</i>  [G. Thün / Undergraduate Student: Ian Ting]</p>	\$ 4,000
	<p><b>Mott Foundation</b>  <i>Sponsored Research Subcontract</i>  Project: <i>Connect &amp; Prosper: Michigan Mobility Mapping</i> 1 year, <i>complete</i>  [S. Zelinski PI, G. Thün, Collaborator]</p>	\$10,000
2011	<p><b>Guardian Industries</b>  <i>Sponsored Project</i>  Project: <i>The Benefits of Glass</i>: 1 year, <i>complete</i>  [K. Velikov PI / J Wineman, G. Thün Collaborators]</p>	\$9,630
	<p><b>Office of the Vice President for Research, University of Michigan  Taubman College Research Fund</b>  Small Scale and Preliminary Project Grants: <i>Resonant Chamber</i>  Duration: 1 year, <i>complete</i>  [G. Thün &amp; W McGee Pls, K Velikov Collaborator]</p>	\$14,800 \$ 4,500

	<b>University of Michigan Wireless Integrated Microsystems ERC</b>	\$25,000
	<i>Strategic Seed Funding</i> Project: <i>The Cirrus Project</i> , Duration: 1 year, <i>complete</i> [G. Thün PI / J Lynch, R Dick, L Junghans, K Velikov CoPI's]	
	<b>Social Sciences and Humanities Council of Canada (SSHRC)</b>	\$186,000
	<i>Research/Creation Grant in Fine Arts   Strategic Research Grant</i> Project: <i>The Stratus Project</i> , Duration: 3 years, <i>complete</i> [C. Ripley PI / G. Thün & K. Velikov, Co-PI's]	
	<b>Taubman College, University of Michigan</b>	\$19,976
	Research Through Making Grant: <i>Resonant Chamber</i> Duration: 1 year: <i>complete</i> [G. Thün & W. McGee PIs, K Velikov Collaborator]	
	<b>Office of the Vice President for Research, University of Michigan</b>	\$14,800
	Small Scale and Preliminary Project Grants: <i>The Stratus Project</i> Duration: 1 year, <i>complete</i> [G. Thün & K. Velikov PIs]	
	<b>Taubman College, University of Michigan</b>	\$3,500
	[Curricula Development Support] ARCH 505: Landscape Infrastructure Research Duration: 1 year: <i>complete</i>	
2010	<b>Taubman College, University of Michigan</b>	\$19,958
	Research Through Making Grant: <i>The Stratus Project</i> Duration: 1 year: <i>complete</i> [G. Thün & K. Velikov PIs]	
	<b>Graham Environmental Sustainability Institute</b>	\$36,500
	[University of Michigan, Campus Sustainability Integrated Assessment] Duration: 1 year, 2 Phase: 6 Graduate Student Researchers: <i>complete</i> [G. Thün, Faculty Lead: Buildings & Standards Group]	
2009	<b>Canada Council for the Arts: Professional Prix de Rome in Architecture</b>	\$50,000
	[National Award: Research Travel 2009-2010] Duration: 1 year: <i>complete</i> [Thün, Velikov, Ripley PIs]	
	<b>Ontario Power Authority (OPA) Technology Development Fund</b>	\$125,000
	Provincial Research/Creation Grant: <i>North House Prototype Project</i> Duration: 1 year: <i>complete</i> [G. Thün PI, K. Velikov, J. Straube CoPI's]	
	<b>Social Sciences and Humanities Council of Canada (SSHRC)</b>	\$146,140
	Research/Creation Grant in Fine Arts   Strategic Research Grant Project: <i>Post Carbon Highway Project</i> , Duration: 3 years: <i>complete</i> [G. Thün PI / K. Velikov, C. Ripley CoPI's]	
2008	<b>MITACS / Accelerate Ontario:</b>	\$137,500
	Graduate Research Internship Program: <i>North House</i> [Provincial matching funds for Industry Partnerships] Duration: 1.5 years: <i>complete</i> [G. Thün Primary Academic Supervisor / PBAI, Industry Partner]	
	<b>U.S. Department of Energy / National Renewable Energy Laboratory</b>	\$100,000
	Solar Decathlon 2009 Grant: <i>North House</i> Duration: 2 years: <i>complete</i> [G. Thün PI, K. Velikov, P Beesley CoPI's]	
	<b>National Research Council of Canada (NRCan)</b>	\$10,000
	<i>North House Prototype Development: Duration: 2 years: complete</i> [G. Thün PI]	



	<b>Canada Council For the Arts</b> <i>Assistance to Practitioners in Architecture Grant:</i> Duration: 1 year: <i>complete</i> [RVTR: matters of concern   Exhibition Production]	\$5,000
	<b>Ontario Arts Council</b> <i>Exhibition Support Grant:</i> Duration: 1 year: <i>complete</i> [RVTR: matters of concern   Exhibition Production]	\$1,500
	<b>University of Waterloo.</b> Centre for Teaching Excellence, Instructional Development Grant [Complex Collaboration Course Development]	\$1,000
	<b>Young Architect's Forum</b> Architectural League of New York: <i>Exhibition Grant</i> [RVTR: matters of concern   Exhibition Production]	\$1,000
2007	<b>Canadian Design Research Network (CDRN) / Design Research Canada</b> Collaborative IDP Workshop & Project Start-Up Grant: <i>North House</i> [P. Beesley PI, G Thün, CoPI]	\$57,000
2006	<b>Faculty of Engineering, University of Waterloo</b> Digital Visualization Capital Grant: Duration: 2 years: <i>complete</i>	\$20,000

## 06 PROFESSIONAL AND CREATIVE PRACTICE: COMPREHENSIVE PROJECT LIST

### RVTR Inc. / RVTR Research Group *Partner / Director, Design Research*

- 2018-present **Line Residence: 800 Lasalle Park Dr. Burlington ON**  
Residential Project. [Client: Terry Line]
- 2017-present **Notion Archeological Excavation House Design**  
Building at 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.
- 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)*
- 2015-2018 **Modular Chronic Health Care Facility Prototyping: Deep Monitoring Project**  
System Design, Contract Documents and Fabrication for U-M / EHI, Jamaica
- 2015 **Jack Layton Ferry Terminal Competition, Toronto. Juried Finalist**  
*(in collaboration with Clement Blanchet, Batlle I Roig, ARUP, Adamson Associates, STLA and SMART)*
- 2014-present **Notion Archeological Site Management Plan and Facilities Design**  
Design Development of Landscape and Facilities framework plan for Notion archaeological site in Turkey
- 2014- 2018 **Access-Enabling Architectures**  
Typological Studies for Multimodal Systems: *Chicago, Detroit, San Francisco, Benton Harbor*
- 2014-2015 **2524 Woodlawn Rd.**  
Residential Renovation, Chicago IL
- 2014 **New Brutalist Image 1949–55 Exhibition Design**  
Curators: C Zimmerman & V Walsh. Tate Britain: November 24 2014 through October 4 2015.
- 2013-2014 **Pneusystems**  
Pneumatic Cellular Aggregate Envelope Prototypes
- 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
- 2011-2012 **Resonant Chamber**  
Responsive Acoustic Envelope Prototyping *(w/ ARUP Acoustics NYC)*
- 2011 **Helsinki South Harbor Competition**  
Open International Competition, Finland
- 2010-2011 **The Stratus Project**  
Responsive Envelope Prototyping
- 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)*
- 2008-2012     **Conduit Urbanism**  
Urban Design Research Project: Great Lakes Megaregion
- 2007            **Buoyant Aquacology,**  
Venice Lagoon Competition, Open International Competition, Venice, Italy
- 2007            **Ravenous Urbanism**  
Landscape Urbanism Prototypes for the Toronto Ravine System
- 2007            **Coffee Town**  
Open Space Strategy and Pedestrian Bridge Design, Changchun, China
- 2007            **Bridging Strata: Plaza de las Tres Culturas**  
Arquine 9<sup>th</sup> Annual International Design Competition Mexico City, MX. *(3<sup>rd</sup> Place)*
- 2006            **Humber River Watershed Cultural Mapping Project**  
Ecosystems, Urban Interface and Program Mapping.  
Toronto and Region Conservation Authority (TRCA). Humber River, Toronto, ON
- 2006            **Closing the Loop**  
Galapagos: Zero Latitude Sustainable Architecture and Urbanism Open International Competition  
Quito Architecture Biennial, Puerto Baquerizo Moreno, San Cristobol, Galapagos
- 2006            **Morningside Park Pavilion**  
Toronto Department of Parks and Recreation, Morningside Park, Toronto ON *(unbuilt)*
- 2006            **Ryerson University Masterplan Proposal,** Toronto ON  
*(w/ Kieran Timberlake Associates / ARUP)*
- 2006-2008     **Bluepoint Multiunit Housing (PE Louver Façade System)**  
High Performance Envelope and Shading Systems Design, Phuket, 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)**  
Private Residence, Flamborough ON *(unbuilt)*
- 2005            **Flamborough Farm**  
Commercial Greenhouse and Tree Farm, Flamborough ON
- 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*

## JURIED AWARDS AND HONORS FOR DESIGN (Thün / RVTR)

- 2017 **AZ Awards Program: Winner**  
*EXTRACTION*, Award Category: Social Good  
Pierre Belanger / OPSYS: Curator, RVTR: Design Research and Exhibition Design  
[Jury: Nina Marie Lister (abstain), 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, Honorable Mention**  
*infundibuliforms* (Wes McGee, Geoffrey Thün & Kathy Velikov)  
[Jury: Mic Patterson, Doug Stockman, and Elizabeth Whittaker]
- 2015 **Canada Council for the Arts: 2016 Venice Biennale of Architecture**  
*EXTRACTION*  
Pierre Belanger: Curator, RVTR: Design Research and Exhibition Design  
[Jury: Peter Buchanan, Lise Anne Couture, Léa-Catherine Szacka]
- Jack Layton Ferry Terminal Competition, Toronto. Finalist**  
*(in collaboration with Clement Blanchet, Batlle I Roig, ARUP. Adamson Associates, STLA and SMART)*  
[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 Yogieman, Joshua Zabel]
- ACSA Faculty Design Award**  
*Infra-Eco-Logi Urbanism* (Geoffrey Thün & Kathy Velikov) *Honorable Mention*  
[Jury: John Enright, David Hinson, Sheila Kennedy]
- 2013 **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)  
[Jury: Lidia Berger, Julie Hendricks, William Leddy, Tania Saldago, Jan Carl Willemse]
- Award of Excellence for Innovation in the Practice of Architecture**  
Royal Architectural Institute of Canada: (RVTR)  
[Jury: Steve McFarlane, James Tuer, Bo Helliwell, Courtney Healey, Don Vaughan, Colleen Kimmett]
- Life at the Speed of Rail Competition – Honorable Mention**  
Van Allen Institute: *Conduit Urbanism* (RVTR)  
[Jury: C. Coletta, K. Easterling, C. Hawthorne, G. Hustwit, M. Lejeune, T. Mayne, P. Todorovich]
- 2010 **Architect Magazine, R&D Award Program, Award of Excellence**  
*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)  
[Jury: Larry Richards, Gordon Dorrett, Glenn Murray, Matthew Searle, Esther Shipman]
- 2009 **Canada Council for the Arts: Professional Prix de Rome in Architecture**  
National Juried Portfolio and Project Award (RVTR)  
[Jury: Manon Asselin, Bernard Flaman, Valerie Gow, Richard Kroeker, Darrin Morrison]

**Innovation in Architecture Award – Honorable Mention**

Royal Architectural Institute of Canada Bluepoint Louver Façade System (Paul Raff Studio/ Thün)  
[Jury: Guy Gosselin, Pierre E. Gallant, Barry Sampson]

**Twenty + Change 02**

Selected Firm for Biannual National Exhibition of Emerging Canadian Architecture (RVTR)  
[Jury: Anne Cormier, Christine Macy, Chris Pommer, Joost Bakker, Ian Chodikoff]

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]

**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]

2005

**Canadian Architect Award of Excellence**

*S.W.A.M.P House*, (Velikov+Thün *Building Studio*)

[Jury: Michael Taylor, Robert Ouellette, Claude Provincher]

2000

**Toronto Society of Architects (TSA)**

Toronto Harborfront Ideas Competition: First Place (Velikov+Thün *Building Studio*)

**JURIED AWARDS AND HONORS FOR DESIGN (Career and Collaboration with other practices)**

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**

*Facility Development and Design Category*

*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 H Wells Public School* (Baird Sampson Neuert Architects)

**Toronto Urban Design Awards (AUDA): Award of Excellence**

*Thomas H 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 H 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 (AUDA): 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 (AUDA): 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)

\* See pages 20 for project-specific roles in other practices on projects identified above.

## SELECTED PUBLICATIONS, CITATIONS, AND REVIEWS OF DESIGN WORK (Thün / RVTR)

- 2017 Olatte, Constanza Ipinza, Hermosilla, Aldo Hidalgo "Adaptive acoustic prototype for multipurpose spaces" in IEEE-RITA, April 2017: 160-168 [citation of Resonant Chamber]
- Youssef, M.M., "Kinetic Behavior, The Dynamic Potential Through Architecture And Design" in *International Journal of Computational Methods and Experimental Measurements*, Vol. 5, No. 4, 2017: 607-618 [citation of *Responsive Envelopes* (2012)]
- The Origami Revolution, a NOVA production by Hold Productions LLC for WGBH Boston. Written, Produced and Directed by: Sarah Holt. Aired Feb. 17, 2017 on, PBS. [Includes footage of: Resonant Chamber]
- 2016 Barozzia, M., Lienhard, J., Zanellic, A., Monticellic, C., "The Sustainability of Adaptive Envelopes: Developments of Kinetic Architecture", in *TENSINET – COST TU1303 International Symposium 2016: Novel structural skins - Improving sustainability and efficiency through new structural textile materials and designs*. Procedia Engineering: Volume 155, 2016: 275-284 [citation of *Responsive Envelopes* (2012)]
- Kempenaar, A., Westerink, J., Lieropa M., Brinkhuijsena M., den Brinkc, A., " 'Design makes you understand' - Mapping the contributions of designing to regional planning and development", in *Landscape and Urban Planning*, Volume 149, May 2016: 20-30 [citation of *infra eco logi urbanism*]
- Adams, Tyler, "Sound Materials. A Compendium of Sound Absorbing Materials for Architecture and Design" (Amsterdam: Frame Publishers: 2016): 34-37 [Featured Project: Resonant Chamber]
- Aksamija, Ajla, "The North House Project", in *Integrating Innovation in Architecture: Design, Methods and Technology for Progressive Practice and Research*, (New York, John Wiley & Sons: 2016): 162-169
- Belanger, P., "EXTRACTION: Canadian Exhibition at the 2016 Venice Biennale" in *ARQ, Lands* Vol 93, Aug 2016: 124-131 [Featured Project: EXTRACTION]
- 2015 Marcinkoski, Christopher "Exhibition Review: Infra Eco Logi Urbanism" in *Constructs*, Yale School of Architecture, Spring 2015: 6
- "Infra Eco Logi Urbanism in Discussion" in *Constructs*, Yale School of Architecture, Spring 2015: 7 [RVTR interview with Bimal Mendis, Keller Easterling and Chris Marcinkoski]
- Finger, Anke K., "Acute Aesthetics." in *The Death and Life of the Total Work of Art. Henry Van De Velde and the Legacy of a Modern Concept*. Carsten Ruhl, Rixt Hoekstra, and Chris Dähne (eds.). (Berlin: Jovis Verlag: 2015): 217-226. [discussion of the *Stratus Project* in the context of *gestamkunstwerk*]
- Bozikovic, Alex, "Canadian exhibit at Venice Biennale to dig into resource exploitation", *Globe and Mail*, Dec 4, 2015: L4 [Article discussing EXTRACTION project for 2016 Venice Biennale: OPSYS in collaboration w/ RVTR]
- McMorrough, John, "A Part Apart," *Chicago Architecture Biennial (Crown Hall Round Tables, Round Table #4: "When You're Having More Than One"*, October 3, 2015 [includes McMorrough's critique of RVTR's infra-eco-logi project]
- Bozikovic, Alex, "On the Waterfront. Designers reinvent Toronto's dreary ferry terminal with ambitious designs", *Globe and Mail*, Mar 17, 2015: A8 [Review of RVTR's Jack Layton Ferry Terminal Competition entry]
- Brownell, Blaine, Swackhamer, Marc, "The Stratus Project" in *Hypernatural: Architecture's New Relationship with Nature*, (New York, Princeton Architectural Press: 2015): 24, 48-55
- Naboni, Roberto, Paoletti, Ingrid "Kinetic Electroacoustic Ceiling" in *Advanced Customization in Architectural Design and Construction*, (Berlin, Springer Verlag 2015): 134-140
- Davis, Kathleen, "Infra Eco Logi Urbanism finds art in environmentally-conscious urban planning" *Michigan Daily*, Community Culture Section, Feb 13, 2015.
- 2014 Iovine, Julie, "City of the [Near] Future" *Wall Street Journal*, Life & Culture Section Oct 13, 2014 [Review of *infra eco logi urbanism exhibition* in New Haven]
- Brensilver, David, "A Proposal for the Future: Exhibition Explores Big Thinking About Megaregions", *The Arts Paper*, Oct 2014: 10-11,17



- Hart, Caroline, "Brave New Urban World" *Yale Daily News*, Sept 19, 2014 [Review of *infra eco logi urbanism exhibition* in New Haven]
- "From Suburbs to Cities: Design for a Better Future" Interview by John Dankosky on NPR's *Where We Live* series. WNPR Connecticut Aug 15 2014. 24mins. [Nationally broadcast radio interview with Thün and Velikov]
- "Nervous Ether: Shiver of Bodies" in *eVolo\_06: Digital & Parametric Architecture*, Vol. 6:1: 224-225
- "Infra-Eco-Logi\_Urbanism" in *2013-2014 Architectural Education Awards*, (Washington, DC, ACSA Press: 2014): 66-67
- 2013 Ng, Rashida and Patel, Sneha, "The Stratus Project" in *INPUT\_OUTPUT, Performative Materials in Architecture and Design*, (Chicago, University of Chicago Press: 2013): 218-219
- Doyon, Frédérique. "Quand les designers repensent la region des Grands Lacs", *Le Devoir. Libre de Penser*, Apr 4, 2013: A1, A8 [Review of *infra eco logi urbanism(e)* exhibition]
- Labreque, Georges, "INFRA- ECO- LOGI- URBANISME - RTVR", au Centre de design de l'UQAM, Montréal" *Le Courrier de l'Architecte*. (retrieved March 20, 2012)  
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- Marconi, Alexandra, "RVTR: Infra- Eco- Logi- Urbanisme", Association du Design Urban du Quebec (ADUQ) (retrieved March 15, 2012) [http://adug.ca/ai1ec\\_event/seance-dinformation-pdues-secteur-marconi-alexandra-3-2/?instance\\_id=](http://adug.ca/ai1ec_event/seance-dinformation-pdues-secteur-marconi-alexandra-3-2/?instance_id=)
- 2012 Wilson, Mark "A Mechanical Roof Tweaks Concert Acoustics In Real Time: Imagine a concert hall that adapts to each performer during the performance". *Fast Company*. (May 15, 2012)  
<http://www.fastcodesign.com/1669640/a-mechanical-roof-tweaks-concert-acoustics-in-real-time>
- Boyle, Rebecca. "Morphable Concert Hall Ceiling Shape-Shifts For Superbly Customized Sound". *Popular Science*. (retrieved May 10, 2012) <http://www.popsci.com/technology/article/2012-05/new-morphable-concert-hall-ceiling-shape-shifts-superb-sound> [Review: Resonant Chamber]
- Furuto, Alison. "Resonant Chamber / rvtr" 19 Apr 2012. ArchDaily. (retrieved May 5, 2012)  
<http://www.archdaily.com/227233> [Review: Resonant Chamber]
- Tylevich, Katya, "Research Through Making -Domus speaks to project initiator Monica Ponce de Leon" published on *DOMUS.it*, <http://www.domusweb.it/en/interview/research-through-making/> (retrieved May 2, 2012) [Citation: Resonant Chamber]
- "The Stratus Project" in *2011-2012 Architectural Education Awards*, (Washington, DC, ACSA Press: 2012): 60-61
- 2011 White, M. "New Geographies #2: Landscapes of Energy (review)", *Landscape Journal, design, planning and management of the land*, 30 (1) 2011: 151-152 [Review: Conduit Urbanism]
- Weber, C. "North House Project.", *Eco-Structure Magazine*, Sept/Oct 2011: 76-81
- Chodikof, I. "North House, RAIC Awards: Innovation in Architecture" *Canadian Architect*, May 2011: Vol. 55, Number 5: 11-13
- 2010 Bartram, L., Rodgers J. and Muise. K. "Chasing the Negawatt: Visualization for Sustainable Living." *IEEE Computer Graphics and Applications*, 30 (3) 2010: 6-12 [ALIS system design: North House Project]
- Gerfen, K. "North House: Responsive Envelope Prototyping", *Architecture*, Aug 2010: 64-67
- Ponce de Leon, Monica, "Constructing Green: Sustainability and the Places We Inhabit", *Keynote Address, Constructing Green Conference*, Erb Institute for Global Sustainable Enterprise, University of Michigan, Ann Arbor. May 20 2010 [Citation of North House Net Energy Positive Performance]
- "Responsive Architecture" 11:16 Host: Nora Young, Guest Host: Lisa Rochon Canadian Broadcasting Corporation (CBC), Spark 117, June 22, 2010  
[Nationally broadcast radio interview with Thün discussing responsive envelope technologies]
- 2009 Alex Bozikovic "There is No Such Thing as Canadian Design", *Twenty + Change 02 Emerging Canadian Design Practices*, (Cambridge ON, Riverside Press: 2009): 12-16 [Citation RVTR Approach and Practice]
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- Bentley-Mays, John. "A Search for the Perfect Assembly Line House", Globe and Mail, July 10, 2009: G2  
[Review of North House Project and New Forms of Interdisciplinary Graduate Programs]
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[Review of RVTR's *Latitude System*]
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[New York: Princeton Architectural Press, The Architectural League of New York, 2009]: 46-71.  
[Work of Kathy Velikov + Geoffrey Thün : RVTR]
- 2008 "Living Steel Extreme Housing International Competition: Latitude Housing System" *CONCEPT*, 2008.12 CaPress, Korea: 24-28 [Review of RVTR's *Latitude System*]
- Bentley-Mays, John. "Housing with More Bang", Globe and Mail, Aug 22, 2008: G2  
[Review of RVTR's Latitude Housing System]
- "Velikov & Thün of RVTR receive Young *Architect's Award* from the Architectural League of New York" *Canadian Architect*, May 2008: Vol. 53, Number 5 : 8
- 2007 Ricalde, Humberto y Flores, Margarita "9th International Arquine Competition", *Arquine*, No. 40, Summer 2007: 109-117 [Review of RVTR's *Bridging Strada*]
- 2006 Oulette, Robert, "Deliciously Stoic' Catches Attention", *The National Post*, Feb 15, 2006: D2  
[Citation of the work of Velikov+Thün *Building Studio*]
- Renwald, Kathy, "Moveable Feast: University of Waterloo students create the ultimate in memorable, poetic picnics by the Humber River" *The Toronto Star*, J1-J5 June 29th 2006  
[Review of Student Work from Thün Design-Build Studio]
- Williams, Patricia, "Kudos for Design Excellence", Daily Commercial News and Construction, Jan 9 2006  
[Citation of the work of Velikov+Thün *Building Studio*]
- 2005 Taylor, Michael, Oulette, Robert, Provencher, Claude, "Landscape Citings", *Canadian Architect* V50, No.12, Dec 05 : 17-20 [Review of the work of Velikov+Thün *Building Studio*]
- The Canadian Architect*, "Award of Excellence: S.W.A.M.P. House," V50, No.12, Dec 05: 42-43.  
[S.W.A.M.P. House : Velikov+Thün *Building Studio*] (R)
- 2004 Yarinsky, Adam & Shnier, John " A Matter of Taste " *Canadian Architect* V49, No.12, Dec 04, : 29-33  
[Citation of Robson Road Residence : Velikov+Thün *Building Studio*] (R)
- 2000 *ROMA XX: The Lesson of Rome*, Publication and Exhibition, BCE Place: Galleria & Heritage Square, 2000 .  
Riverside Press: 68, [Review of work by G. Thün : "Theatro Celimontana"]

## REFEREED EXHIBITIONS OF DESIGN WORK (Thün / RVTR)

- 2016            **15<sup>th</sup> Venice Architecture Biennale, *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, Ecuador 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 EXHIBITIONS OF DESIGN WORK (Thün / RVTR)

- 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 (Sept 27 – Oct 17 2017)  
University of Virginia (Sept 10 – Oct 16 2018)  
Pratt Institute: Manhattan Gallery (Dec 2018 – Feb 2019) *pending*  
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]

## 07 TEACHING

### COURSES TAUGHT

<b>2009-present</b>	<b>Associate Professor</b>	<b>Taubman College, University of Michigan</b>
Winter 2018	M.Arch:	ARCH662: Thesis Advisor / Design Studio: <i>Mavericks, the Multitude and the Mesa</i>
Fall 2017	M.Arch:	ARCH660: Thesis Seminar: <i>Mavericks, the Multitude and the Mesa</i>
Fall 2016	M.Arch:	ARCH515: Sustainable Systems I: <i>Energy, Territory, Climate &amp; Life:</i> (w/ J. Maigret)
Winter 2016		<i>Academic Leave (Sabbatical)</i>
Fall 2015	M.Arch:	ARCH515: Sustainable Systems I: <i>Energy, Territory, Climate &amp; Life:</i> (w/ M. Miller)
Winter 2015	B.S./ 3G	ARCH315: Sustainable Systems I: <i>Energy, Territory, Climate &amp; Life:</i> (w/ M. Miller)
	M.Arch:	ARCH662: Thesis Advisor / Design Studio: <i>Market Forces:</i> (w/ C. Borum)
Fall 2014	M.Arch:	ARCH660: Thesis Seminar <i>Market Forces:</i> (w/ C. Borum)
Winter 2014	M.Arch:	ARCH562: Systems Studio: <i>YYZ</i>
	M.Arch:	ARCH505: Elective Seminar: <i>MetaSHED</i>
	M.Arch:	ARCH600: Independent Study: <i>Mass Customized Housing in Japan</i>
Winter 2013		<i>Academic Leave</i>
Fall 2013	M.Arch:	ARCH552: Networks Studio: <i>Phalanstaria</i>
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
Spring 2013	M.Sc.MS	ARCH739: Capstone in Material Systems
Fall 2012	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
	M.Arch:	ARCH600: Independent Study: <i>Fragmentary Utopias</i>
Winter 2012	M.Arch:	ARCH672: Systems Studio: <i>allsystemsgo!</i> (w/ J. Maigret)
	M.Arch:	ARCH505: Elective Seminar: <i>MetaSHED</i>
Fall 2011	M.Arch:	ARCH672: (Option Studio) coordinated with technical seminar by L. Junghans: <i>HydroLab</i>
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
	M.Arch:	ARCH600: Independent Study: <i>Nordic Port Logistics</i>
Winter 2011	M.Arch:	ARCH662: Thesis Advisor / Design Studio: <i>Stormfront</i> (w/ K. Velikov, C. Newell)
	M.Arch:	ARCH505: Elective Seminar: Landscape   Infrastructure   Research
Fall 2010	M.Arch:	ARCH672: Comprehensive Building Studio: <i>aggregate</i>
	M.Arch:	ARCH589: Site Operations (Required Graduate Lecture Course and Lab)
	M.Arch:	ARCH600: Independent Study: <i>Campus Sustainability Assessment</i>
Winter 2010	M.Arch:	ARCH662: Thesis Advisor / Design Studio: <i>Heavy Weather</i> (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)
<b>Summer 2013</b>	<b>Visiting Professor</b>	<b>California College of the Arts</b>
	M.Arch.	Studio 333 Workshop: Nervous Either: Responsive Environments / Sensate Instruments
<b>Winter 2013</b>	<b>Visiting Professor</b>	<b>Université du Québec à Montréal, School of Design</b>
	M.E.D.	Workshop: System, Structure, Code: Rethinking Territorial Operations
<b>Summer 2011</b>	<b>Visiting Professor</b>	<b>ISU Helmholtz-Zentrum Berlin für Materialien und Energie</b>
		Graduate Seminar: Renewable Energies III: Architectural Integration of PV and Solar Thermal Systems
<b>Summer 2010</b>	<b>Visiting Professor</b>	<b>Ryerson University, Department of Architectural Science</b>
	M.Arch:	AR8105: International Visiting Practice Studio (w/ K. Velikov, C Ripley)

<b>2006-2009</b>	<b>Assistant Professor</b>	<b>School of Architecture, University of Waterloo</b>
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 (Graduate 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: <i>Excursions in the Expanded Field</i> (Studio Coordinator)
Fall 2007	M.Arch:	ARC684: <i>On Mapping, Cartography and Eidetic Operations</i> (Graduate Seminar)
	B.A.S:	ARC393: <i>CONVOY: Territorial Infrastructures and the Capital Matrix</i> (Studio Coordinator)
Spring 2007	B.A.S:	ARC293: <i>Excursions into E*_Scape : Economy, Ecology, Experience</i> (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)
<b>2004-2005</b>	<b>Adjunct Assistant Professor</b>	<b>School of Architecture, University of Waterloo</b>
Fall 2005	B.Arch:	ARC393: Urban Design Studio
Summer 2005	B.Arch:	ARC293: Architecture and Landscape
Winter 2005	B.Arch:	ARC392: <i>Resonant Chamber: Canadian Centre For Sonic Art</i> (Studio Coordinator)
Fall 2004	B.Arch:	ARC393: Urban Design Studio
Summer 2004	B.Arch:	ARC293: Architecture and Landscape
<b>Fall 2004</b>	<b>Adjunct Assistant Professor</b>	<b>Ryerson University, Department of Architectural Science</b>
	B.Sci.Arch:	ASF002: Design Studio
	B.Sci.Arch:	ASC715: Advanced Computer Applications in Arch. (3d Modeling Lab)
<b>1997-1998</b>	<b>Adjunct Assistant Professor</b>	<b>School of Architecture, University of Waterloo</b>
Winter 1998	B.Arch:	ARC392: Light Studio
Fall 1997	B.Arch:	ARC492: Study Abroad Rome Studio
Winter 1997	B.Arch:	ARC193: Design Studio
<b>1996</b>	<b>Adjunct Lecturer</b>	<b>School of Architecture, University of Waterloo</b>
Fall 1996	B.Arch:	ARC192: Design Studio

## 08 SERVICE

### INVITED EXTERNAL REVIEWER AT OTHER INSTITUTIONS

2018	M. UD	UCLUA	T.U. Dortmund	[Reicher]
2018	M.Arch	FDAB	University of Technology Sydney	[Pigram]
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, Bonnemaision, Venart]
2011	M.Sc	School of Architecture	London Metropolitan University	[Kolbe]
2011-2013	BAS	School of Architecture	Lawrence Technical University	[White, Plowright, Bodurow]
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]



## UNIVERSITY WIDE GROUPS / INITIATIVES

2017 -2018	University of Michigan Mobility Coordinating Committee, <i>Committee Member</i>
2017 -2018	University of Michigan –Tianjin University Joint Research Institute in Nantong Sustainable Urban Design and Construction Center, <i>Center Director, Oversight Committee Member.</i>
2016 -present	University of Michigan Urban Collaboratory: <i>Founding Co-Director</i>
2016 -present	University of Michigan Exercise & Sport Science Initiative (ESSI), <i>Executive Board Member</i>
2015 -present	University of Michigan Mcity, <i>Executive Board Member</i>
2014 -present	University of Michigan Research Associate Deans Group (RADS)
2012	SMART Research Area Specialist Hiring Committee (UMTRI), <i>Committee Member</i>
2011-2013	University of Michigan Undergraduate Research Opportunity Program (UROP) Participating Research Faculty Member / Spring Research Symposium, <i>Poster Judge</i>
2011-present	University of Michigan OVPR/ UMOR Grant Program: <i>Peer Reviewer</i>
2010-2016	University of Michigan, WIMS (Wireless Integrated Microsystems) Center Infrastructure Thrust, <i>Collaborating Member</i>
2010-2017	University of Michigan, SMART: (Sustainable Mobility & Accessibility Research & Transformation) UMTRI Active Steering <i>Committee Member</i>
2009-2011	University of Michigan, Graham Environmental Sustainability Institute: Sustainability Integrated Assessment Team: <i>Buildings Group, Faculty Lead</i>
2008	University of Waterloo Responsive Architecture Research Group, <i>Founding Member</i>
2008-2009	University of Waterloo Institute for Sustainable Energy (WISE), <i>Member</i>
2008-2009	University of Waterloo Faculty of Engineering Solar Decathlon 2009: <i>Faculty Lead</i> [Departments: Architecture, Mechanical, Electrical, Mechatronics, Civil Engineering]

## COLLEGE COMMITTEES / INITIATIVES

2016-present	Taubman College Master of Urban Design (MUD) Advisory Committee
2016-present	Taubman College Research Safety Committee, <i>Committee Chair</i>
2015-present	Innovation in Glass Design Research Program, <i>Program Creator / Coordinator</i>
2014-present	Taubman College Executive Committee <i>(ex officio)</i>
2014-present	Taubman College Dean's Advisory Committee
2011-2013	Taubman College Master of Urban Design (MUD) Task Force
2010-present	Taubman College Ad-Hoc Committee on Sustainable Built Environment: <i>Committee Chair</i>
2009-2010	Taubman College Architecture Chair Advisory Committee
2009-2010	Taubman College Faculty Search Committee: Environmental Technology Cluster Hire w/ SNRE

## FACULTY COMMITTEES

2014-present	Taubman College Architecture Chair's Advisory Committee
2014-present	Taubman College Architecture Program Junior Faculty Mentor
2014-2016	Taubman College Architecture Educational Program Committee
2014-present	Taubman College M.Arch Admissions Committee
2012-2013	Taubman College Architecture LEO Review Committee
2009-2012	Taubman College Architecture Admissions / Scholarships Committee
2009- present	Taubman College Graduate Student Advisory Committee
2006,2008	UWSA Digital Design Faculty Search Committee
2006-2008	UWSA Workshop and Facilities Committee
2005-2008	UWSA Undergraduate Admissions Committee
2008	UWSA Student Awards Committee
2005	UWSA Accreditation Review Committee

## INTERNATIONAL / NATIONAL ORGANIZATIONS

2015-2016	Site Chair: 2016 ACADIA 35 <sup>th</sup> Annual International Conference, Ann Arbor Michigan.
2014-2016	Editorial Board, <i>International Journal of Architectural Computing</i> (IJAC)
2010-present	Founding Member: <i>Zero-Energy Mass Custom Home Research Network</i> Glasgow School of Art, Mackintosh Environmental Architecture Research Unit
2011	International Summer University on Energy, Helmholtz-Zentrum Berlin Curricula Collaboration and Development with Dr. Martha Lux-Steiner, Freie Universität Berlin
2008-2010	Canadian Design Research Network (CDRN) / Design Research Canada Lead Area Researcher, Advisory Board Member

## SERVICE AT OTHER INSTITUTIONS

2018	University of Tennessee, College of Architecture and Design, Faculty Development Awards: <i>Program Juror</i>
2018	Penn State University, Stuckeman School, Faculty Career Advancement Initiative Grant: <i>Program Juror</i>
2017	University of Utah CAP, Seed Incentive Program (SIP) Grant: <i>Program Juror</i>
2010-2011	External Advisor: University College of London, <i>2012 Solar Decathlon Europe Project</i>
2009-2011	External Advisor: University of Tennessee <i>Living Light Prototype</i> , PI: Edgar Stach
2007	University of Toronto, al&d, Admissions Referee (MUD Program)
2003-2010	Ryerson University: External Professional Advisor (Thesis Program)

## PEER REVIEWER / REFEREE / MODERATOR

- 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 National Conference, *Scientific Committee: Paper Referee*
- 2016 2016 TxA Emerging Design + Technology conference, San Antonio, TX: *Paper Referee*  
ACADIA National 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*
- 2015 Leonardo, Journal of Arts, Sciences and Technology, *Paper Referee*  
ACSA International Conference, *Session Chair, Paper Referee: Architecture's Experimental Turn*  
Wiley Publishers: *Book Manuscript Reviewer*
- 2014 Session Chair: "Architectural Membranes for High-Performance Building Skins" at *9<sup>th</sup> Annual European Energy Forum: Advanced Building Skins*, Bressanone, IT, Oct. 28-29  
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 National 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*
- 2012-2017 Dalhousie University, M.Arch Thesis Program *External Examiner, (5 year appointment)*
- 2012 US Department of Energy, Advanced Research Projects Agency – Energy (ARPA-E)  
*Open FOA Proposal Peer Review Committee: Buildings and Energy*  
Moderator: *Smarter Living: The 2000-Watt Society, Challenges, Goals, Opportunities*  
Taubman College, University of Michigan, Oct 9  
ACSA National Conference: *Paper Referee: Rapid Cities, Prototyping Urban Growth*  
ZEMCH International Conference, *Paper Referee: High Performance Homes*
- 2011 Discussant: Infra(re)structured, *The Lean Years: Infrastructure, Dwelling and Sustenance*  
Hill Auditorium, University of Michigan, March 17-18  
ACSA National Conference: *Paper Referee: Architecture's Responsive Extensions*
- 2010 Session Moderator: Urban and Regional Ecologies, Future of Urbanism Conference  
[Respondents: Chris Reed, Kazys Varnelis, Alan Berger, Edward Soja]  
Hill Auditorium, University of Michigan, March 19-20  
ACSA National Conference: *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*
- 2007 ACSA Central Regional Conference: *Session Moderator: City and Campus*