

Ute Poerschke, Dr.-Ing., BDA

Professor, Architect, Urban Planner
Department of Architecture, Pennsylvania State University

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Education

2005 Dr.-Ing. in Architecture, Brandenburg Technical University at Cottbus, Germany
1993 Dipl.-Ing. in Architecture, Technical University of Munich, Germany
1992–93 Exchange Student ETH Zurich, Switzerland

Professional Licenses/Registrations

2009–present LEED AP, Leadership in Energy and Environmental Design Accredited Professional
2008–present Licensed Urban Planner, Bavarian Chamber of Architects, Germany, #41064
1996–present Licensed Architect, Bavarian Chamber of Architects, Germany, #174688
2007–2023 Associate International Architect, American Institute of Architects, #30482308

Member of Professional and Learned Societies

2020–present Member of SAH (Society of Architectural Historians), #90001241
2015–present Member of BDA (German Association of Architects), #10959
2013–present Member of MAIV (Munich Society of Architects and Engineers)
2008–present Member of SBSE (Society of Building Science Educators)

Academic Positions

2021–2024 Associate Department Head for Graduate Education, Department of Architecture, Penn State
2021–2024 Director of Graduate Studies (M.Arch., M.S., Ph.D.), Department of Architecture, Penn State
2019–2022 Stuckeman Professor of Advanced Design Studies, Department of Architecture, Penn State
2018–2019 Interim Department Head, Department of Architecture, Penn State
2017–present Professor of Architecture (tenured), Department of Architecture, Penn State
2014–2018 Director of Graduate Studies (M.Arch., M.S., Ph.D.), Department of Architecture, Penn State
2006–2017 Associate Professor of Architecture (tenured in 2012), Department of Architecture, Penn State
2004–2005 Research Faculty (Wissenschaftliche Assistentin), TU Munich, Germany
1999–2004 Research Faculty (Wissenschaftliche Mitarbeiterin), TU Berlin, Germany

Architectural Practice

2004–present Co-Principal of Friedrich Poerschke Zwink Architekten: www.fpzarchitekten.de
1/1995–1/1999 Klein & Sanger Architects, Munich, Germany
3–12/1994 Prof. Ackermann & Partners, Munich, Germany

Academic Awards

2022 Faculty Fellow Israel, Jewish National Fund USA
2021 European Science Foundation, selected to the "ESF College of Expert Reviewers"
2020 Northeastern Association of Graduate Schools (NAGS) Graduate Faculty Teaching Award
2019–21 Stuckeman Professor of Advanced Design Studies
2014 George W. Atherton Award for Excellence in Teaching, Pennsylvania State University
2011 NCARB Prize for Creative Integration of Practice and Education, Honorable Mention
Collaboration with Profs. John Messner, Madis Pihlak, and Robert Holland
2010 2010 AIA BIM Award – Academic Program and Curriculum Development. Award of the
American Institute of Architects (AIA) for integrative teaching concepts in the Departments of
Architecture (Ute Poerschke, Robert Holland), Architectural Engineering (John Messner, Kevin
Parfitt), and Landscape Architecture (Madis Pihlak) of the Pennsylvania State University
2010 Autodesk BIM Experience Award for incorporating BIM into the educational programs of the
Departments of Architecture (Ute Poerschke), Architectural Engineering (Robert Holland, John
Messner) and Landscape Architecture (Madis Pihlak)

Courses Taught

Arch 231/232	Bachelor, Architectural Design I+II, Studio since 2006
Arch 331/332	Bachelor, Architectural Design III+IV, Studio since 2010
Arch 480	Bachelor + Master (M.Arch), Technical Systems Integration (Climate, Energy, Lighting, Acoustics, Life Safety), Lectures and Seminar since 2006
Arch 497	Bachelor + Master, Architectural Daylighting, Seminar 2024
Arch 520	Master (M.S.), Methods of Inquiry in Architecture and Urban Design, Seminar since 2006
Arch 533/534	Master (M.Arch), Architectural Design III+IV, Studio since 2015
Arch 536	Master (M.S.), Design Inquiry, Seminar since 2007
Arch 591	Master + Ph.D., Architectural Research, Individual Studies, since 2008
Arch 600/601	Master + Ph.D., Thesis/Dissertation Research, since 2009
Colloquium	Ph.D., since 2016

Selected Awards in Architecture Competitions

2024	<i>New Village Center Ihrlerstein, Germany, competition, 2nd Prize</i>
2023	<i>Children Daycare in Heilbronn, Germany, competition, 2nd Prize</i>
2022	<i>Elementary School in Weilheim, Germany, competition, 1st Prize</i>
2022	<i>New Administration Building in Marktbreit, Germany, competition, 1st Prize</i>
2021	<i>Reconceptualization of the Oberhessisches Museum in Giessen, Germany, Merit Award (4th Rank)</i>
2021	<i>Neuried Town Center and Town Hall, Germany, Runner-up (4th Rank)</i>
2020	<i>Childcare Facility in Oberschneiding, Germany, European-wide competition, 3rd Prize</i>
2019	<i>Childcare Center Stutzwinkel in Straubing, competition, 2nd Prize</i>
2018	<i>Youth Center in Landsberg am Lech, invited competition, 1st Prize</i>
2015	<i>Robert-Boehringer-School in Winnenden, European-wide competition, 1st Prize</i>
2014	<i>New Town Hall in Altbach, European-wide competition, Recognition</i>
2013	<i>Extension of Werdenfels Museum in Garmisch-Partenkirchen, invited competition, 3rd Prize</i>
2013	<i>Fritz-Beck Middle School in Landsberg am Lech, European-wide competition, Recognition</i>
2011	<i>Dahlmann Schule (high school) in Frankfurt, European-wide competition, 4th Prize</i>
2010	<i>City Center Neufinsing, Germany, urban planning competition, Honorable Mention</i>
2010	<i>Senior Center in Gundelsheim, Germany, European-wide competition, 2nd Prize</i>
2010	<i>Elementary School with Gymnasium, Natatorium and Day Care Center in Frankfurt Riedberg, Germany, European-wide competition, 2nd Prize</i>
2009	<i>Student Dormitory in Augsburg, Germany, German-wide competition, 5th Prize</i>
2008	<i>Youth Hostel at the Veitsburg in Ravensburg, European-wide competition, Runner-up.</i>
2007	<i>Bridge in Salzburg, Austria, architectural competition, 3rd-ranked</i>
2005	<i>House of Essen's History, Germany, national competition, Runner-up</i>
2004	<i>Office building for DLR (German Aerospace) in Oberpfaffenhofen, national competition, finalist</i>
2003	<i>Refectory in Martinsried, Germany, national competition, 5th Prize</i>
2002	<i>City Center in Regensburg, Germany, national competition, with St. Zwink, 4th Prize</i>
2001	<i>Housing in Munich, Germany, invited national competition, with fhz-architects, 1st Prize</i>
2000	<i>Horticultural Show in Riem, with Dietmar Straub (Landsc. Architect), competition, Runner-up</i>
1999	<i>Extension of the University of Applied Science in Augsburg, competition, with St. Zwink, finalist</i>
1998-99	<i>Housing in Weißenfels, European-wide competition, Germany (European 5), 1st Prize (DM10,000)</i>

Built Projects with Friedrich Poerschke Zwink Architects | Urban Planners

2023–present	<i>Single-Family House in Mittelfranken, Germany</i>
2023–present	<i>Elementary School in Weilheim, Germany</i>
2015–16	<i>Office Building Conversion to a Refugee First Admittance Facility in Munich</i>
2012–14	<i>Sports Facilities Max-Reinhardt-Weg, Munich, Germany</i>
2012	<i>"archidocuments" – Exhibit parallel to dOKUMENTA 13, Kassel Architekturzentrum im Kulturbahnhof (KAZimKUBA), 9/7 – 16/12, 2012</i>
2009	<i>Exhibition Young Talent Award (Architecture Category), Municipal Gallery of Art (Städtische Kunsthalle), Munich, 4/ 24 – 5/10, 2009</i>
2006–07	<i>Single-Family House in Passau, Germany</i>

Publications

Articles in Scholarly Journals, peer-reviewed

2024	[1] Hashemi, F., Mills, G., Poerschke, U., Iulo, L., Pavlak, G., Kalisperis, L., "A Novel Parametric Workflow for Simulating Urban Heat Island Effects on Residential Building Energy Use: Coupling Local Climate Zones with the Urban Weather Generator A Case Study of Seven U.S. Cities." In: <i>Sustainable Cities and Society</i> , Elsevier, published: June 2024. https://doi.org/10.1016/j.scs.2024.105568
2023	[2] Zhang, J., Azari, R., Poerschke, U., Hall, D., "A Review of Potential Electrochemical Applications in Buildings for Energy Capture and Storage." <i>Micromachines</i> 14 (2023) 12, 2203. 25 pages. DOI: 10.3390/mi14122203

- [3] Poerschke, U., "Architecture in Times of Rebuilding." Book Review. In: *The Plan Journal*, vol. 8 (2023) no. 1, 179-184. ISSN 2611-7487 / E-ISSN 2531-7644, 10.15274/tpj.2023.08.01.2. <https://www.theplanjournal.com/article/architecture-times-rebuilding>
- [4] Hashemi, F., Poerschke, U., Iulo, L. and Chi, G., "Urban Microclimate, Outdoor Thermal Comfort, and Socio-Economic Mapping: A Case Study of Philadelphia, PA." Special issue "Performance-Based Urban Design: Integrated Urban Analytics, Simulation and Climate-Responsive Design," *Buildings*, vol. 13 (2023), 19 p., <https://doi.org/10.3390/buildings13041040>.
- 2020 [5] Vazquez, E., Duarte, J., Poerschke, U., "Masonry screen walls: A digital framework for design generation and environmental performance optimization." In: *Architectural Science Review* (2020), 1-13. ISSN 0003-8628 (print) 1758-9622 (online). <https://doi.org/10.1080/00038628.2020.1749552>
- 2019 [6] Poerschke, U., Rim, D., Pei, G., Mirhosseini, H., "The 'Air-Wall': Re-Evaluating a Mid-Twentieth Century Four-Sided Double-Skin Façade." In: *TAD Technology | Architecture, and Design*, vol. 3 (2019), no. 2, 200-210. ISSN 2475-1448. <https://doi.org/10.1080/24751448.2019.1640538>.
- 2016 [7] Poerschke, U., "CIAMs Vier-Funktionen-Dogma: Über die Schwierigkeit, etwas zu vermischen, das man zuvor getrennt hat" (dt./engl.). In: *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 21 (2016), no. 35: "Mixings in Architecture and Landscape Architecture," edited by S. Feldhusen, U. Poerschke, Jürgen Weidinger, 199-213; peer-reviewed; publication decision was made by editor-in-chief Prof. E. Führ. ISSN 1430-8363.
- 2014 [8] Leicht, R., Messner, J., Poerschke, U., "INVOLVE: Developing Interactive Workspaces that impact Communication and Task Performance when using Virtual Prototypes." In: *Journal of Computing in Civil Engineering*, vol.28 (2014), no.2, 191-201. ISSN 0887-3801.
- 2013 [9] Iulo, L., Gorby, C., Poerschke, U., Kalisperis, L., Woollen, M., "Environmentally Conscious Design – Educating Future Architects." In: *International Journal of Sustainability in Higher Education IJSHE*, vol. 14 (2013), no. 4, 434-448. DOI: 10.1108/IJSHE-09-2011-0065
- [10] Poerschke, U., "On Concrete Materiality in Architecture." In: *Architectural Research Quarterly ARQ*, vol. 17 (2013), no. 2, 149-156. DOI: 10.1017/S135913551300050X.
- 2012 [11] Poerschke, U., "Architecture as a Mathematical Function. Reflections on Gottfried Semper." In: *Nexus Network Journal* (Kim Williams Books/Birkhäuser), vol. 14 (2012), no.1, 119-234. ISBN 1590-5896. The article is a revised and further developed version of the German book chapter "Architektur als mathematische Funktion."
- 2011 [12] Pihlak, M., Deamer, P., Holland, R., Poerschke, U., Messner, J., Parfitt, K., "Building Information Modeling (BIM) and the Impact on Design Quality." In: *Journal of Architectural Engineering Technology JAET*, vol. 1 (2011), no. 101. DOI: 10.4172/2168-9717.1000101.
- 2009 [13] Poerschke, U., " 'Stein nicht Stein? Holz nicht Holz?' Zur konkreten Materialität von Architektur" ('Stone not Stone? Wood not Wood?' On the Concrete Materiality of Architecture). In: *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 14 (2009), no. 26: "Concreteness in Architecture," edited by S. Hauser and C. Dreyer, <http://www.cloud-cuckoo.net/journal1996-2013/inhalt/en/issue/2009-1.php> ISSN 1430-8363.
- Books**
- 2017 [14] Feldhusen, S., Poerschke, U. (eds.) *Theorie der Architektur. Zeitgenössische Positionen*, mit 18 deutschen and 6 englischen Beiträgen. Autoren unter anderen: Karsten Harries (Yale), David Leatherbarrow (UPenn), Robert Miller (University of Arizona), Alberto Pérez-Gómez (McGill), Sandra Staub (Penn State), Gerd de Bruyn (Universität Stuttgart), Claus Dreyer (Hochschule Lippe-Höxter), Achim Hahn (TU Dresden), Wolfgang Schuster (BTU Cottbus), Akos Moravanszky (ETH Zürich), Vittorio Lampugnani (ETH Zürich). Basel: Birkhäuser 2017, 448 Seiten. ISBN 978-3-0356-1458-9.
- 2016 [15] Poerschke, U., *Architectural Theory of Modernism. Relating Functions and Forms*. New York: Routledge. Übersetzung von *Funktionen und Formen. Architekturtheorie der Moderne*. New York: Routledge 2016, 241 pages. ISBN 978-1-138-64248-5.
- 2014 [16] Poerschke, U., *Funktionen und Formen. Architekturtheorie der Moderne*. Bielefeld: Transcript Verlag, 2014, 279 Seiten. ISBN 978-3-8376-2315-4.
- Book Chapters**
- 2022 [17] Poerschke U., "Functionalism and its Italian Entanglements" In: Denise Costanzo, Andrew Leach (eds.), *Italian Imprints on Twentieth-Century Architecture*. London/New York: Bloomsbury, 2022, 55–67.
- 2021 [18] Poerschke, U., Hadighi, M., "Bill Hajjar's Air-Wall: A Mid-Twentieth-Century Four-Sided Double-Skin Façade". In: Clifton Fordham (ed.): *Constructing Building Enclosures: Architectural History, Technology and Poetics*. New York: Routledge 2021, 212-227.
- 2020 [19] Poerschke, U., "Architectural Design and Doctoral Research". In: Federica Goffi and Ryan Stec: *InterVIEWS: Insights and Introspection on Doctoral Research in Architecture*. New York: Routledge 2020, 221-230.
- 2019 [20] Poerschke, U., "Der Funktionsbegriff am Bauhaus". In: *Die Schweizer Avantgarde und das Bauhaus*, edited by Gregor Grämiger, Ita Heinze-Greenberg, Lothar Schmitt, Zurich: gta-Verlag 2019, 121-131.
- 2017 [21] Poerschke, U., "Ringgen um Worte, Klärung der Ideen: Rationalismus und Funktionalismus". In: *Luoghi del Moderno—Klares Bauen 1920-1950*, edited by Tiziano Rosani, Patrick Rina, Marina Mascher, Ulrike Kindl, Bolzano/Bozen, Italy: La Fabbrica del Tempo/Die Zeitfabrik (italienisch, deutsch), 2017, 20-27. ISBN: 9788894320503.

- [22] Poerschke, U., "Vom landschaftsorientierten Siedlungsbau zum Zeilenbau: Städtebau in der Weimarer Republik". In: *Luoghi del Moderno—Klares Bauen 1920-1950*, edited by Tiziano Rosani, Patrick Rina, Marina Mascher, Ulrike Kindl, Bolzano/Bozen, Italy: La Fabbrica del Tempo/Die Zeiffabrik (italienisch, deutsch), 2017, 118-125. ISBN: 9788894320503.
- [23] Poerschke, U., "Conceptual History and Architectural Theory." In *Theorie der Architektur. Zeitgenössische Positionen*, edited by Sebastian Feldhusen und Ute Poerschke, ISBN 978-3-0356-1458-9, 158-175.
- 2014 [24] Poerschke U., " 'Stein nicht Stein? Holz nicht Holz?' Zur konkreten Materialität von Architektur." In: *Das Konkrete und die Architektur*, edited by S. Hauser and C. Dreyer, Dresden: Spurverlag, pp. 12-24. This essay was originally published in *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 14 (2009), no. 26, and has been selected for inclusion in the mentioned book.
- 2011 [25] Poerschke, U., "Francesco Milizia e l'idea di funzione e rappresentazione" (Francesco Milizia and the Idea of Function and Representation). In: *Francesco Milizia e il teatro del suo tempo: Architettura, Musica, Scena, Acustica (Francesco Milizia and the Theater of his Time: Architecture, Music, Play, Acoustics)*, edited by M. Russo, Trento, Italy: Editrice Università di Trento, 2011 (Italian), 89-102. ISBN 978-88-8443-396-1.
- [26] Messner, J., Holland, R., Poerschke, U., Parfitt, K., Pihlak, M., "Educating the Master Building Team: Leveraging BIM to Enable the Development of Collaborative Knowledge." In: *BIM in Academia*, edited by Peggy Deamer and Phillip G. Bernstein, New Haven: Yale School of Architecture, 2011, 57-67. ISBN 978-0-9826385-8-3.
- [27] Poerschke, U., "Architektur als mathematische Funktion. Überlegungen zu Gottfried Semper". In: *Von Ähnlichkeiten und Unterschieden. Vergleich, Analogie, Klassifikation in Wissenschaft und Literatur*, edited by M. Eggers, Heidelberg: Universitätsverlag Winter, 2011, 121-141. ISBN 978-3825358037.
- 2009 [28] Poerschke, U., "Form-Funktion-Verknüpfungen in der Architektur". In: *Wahrheit und Wahrhaftigkeit in der Kunst von der Neuzeit bis heute*, edited by S. Muhr und W. Windorf, Berlin: Reimer, 2009, 73-84. ISBN 978-3-496-01414-0.
- [29] Poerschke, U., "Transfer wissenschaftlicher Funktionsbegriffe in die Architekturtheorie des 18. Jahrhunderts". In: *Wissenschaftsgeschichte als Begriffsgeschichte. Terminologische Umbrüche im Entstehungsprozess der modernen Wissenschaften*, edited by M. Eggers und M. Rothe, Bielefeld: Transcript, 2009, 193-211. ISBN 978-3837611847.
- 2007 [30] Poerschke, U., "Über architektonische Struktur – Architectural Structure" (German and English). In: *Von der Stadt zum Haus. Eine Entwurfslehre – From the city to the house. A design theory*, edited by D. Eberle und P. Simmendinger, Zürich: gta-Verlag, 2007 (english, german), 82-95. ISBN 978-3856762803.

Articles in Conference Proceedings, peer-reviewed

- 2024 [31] Zhang, Jingshi, Azari, R., Poerschke, U., "The Energy Storage Capability of Building Rainscreen Cladding Panels Integrated with Photovoltaic and Reversible Proton Exchange Membrane Fuel Cells." *EAAE/ARCC Conference 2024 Proceedings: Architecture Into the Unknown*, Aarhus, Denmark. 7 pages.
- [32] Li, J., Poerschke, U., "The Application of Statistic and Machine Learning Techniques in Building Performance Assessment and Prediction: A Review." *ASHRAE Transactions* 129, July 2023, 673–682.
- 2023 [33] Poerschke, U., "Aspiring Scientific Design: Hannes Meyer and Hans Wittwer's Petersschule Project and Daylighting Scholarship." In: *Proceedings of the 110th ACSA Conference*, Los Angeles 2022, 61–66.
- [34] Li, J., Iulo, L., Poerschke, U., "A Review of the Energy Performance Gap between Predicted and Actual Use in Buildings" *Proceedings of the 18th IBPSA International Conference and Exhibition Building Simulation*, Shanghai 2023, vol. 18, 1973-1980.
- 2022: [35] Tariq, T., Iulo, L., Poerschke, U., "Urban Heat Island Phenomena in Dhaka, Bangladesh." In: *Proceedings of the 2022 ARCC-EAAE Conference Resilient City: Physical, Social, and Economic Perspectives*. ARCC 2022, 25-32.
- [36] Hashemi, F., Iulo, L., Poerschke, U., "A Parametric Investigation of Canopy Heat Islands Mitigation Strategies: A Case Study of a New Residential Development Master Plan of a U.S. North-Eastern City." In: *2022 Residential Building Design and Construction Conference Proceedings*, University Park, PA, 362–371.
- 2021 [37] Esmailian, M., Mistrick, R., Poerschke, U., Iulo, L., "A Study of Daylight Modeling Approaches Applied in LEED." In: *Proceedings of the 2020 ASHRAE Conference "Indoor Environmental Quality Performance Approaches*, 8 pages, forthcoming.
- 2020 [38] Mehjabeen, S., Poerschke, U., Iulo, L., Mistrick, R., "Daylighting in High-Rise Residential Buildings: A Parametric Exploration of A Case Example in Dhaka, Bangladesh.: In: *Proceedings of the 2020 ISUF Conference: Cities in the Twenty-First Century*, ISUF, 8 pages.
- [39] Mehjabeen, S., Poerschke, U., Iulo, L., "A Parametric Study of Daylighting in High-Rise Residential Buildings in Dhaka, Bangladesh.: In: *Proceedings of the EAAE-ARCC International Conference: The Architect and the City*, València, Spain: Editorial Universitat Politècnica de València, 2020, vol.2, 1074–1084.
- [40] Hashemi, F., Poerschke, U., Iulo, L., "A Novel Approach for Investigating Canopy Heat Island Effects on Building Energy Performance: A Case Study of Center City of Philadelphia, PA." In: *Proceedings of the 2020 AIA/ACSA Intersections Research Conference: CARBON*.

- 2018 [41] Poerschke, U., "Data-Driven Design in High Modernism: Ludwig Hilberseimer's Solar Orientation Studies." In: *Proceedings of the 2018 EAAE/ARCC International Conference*, Philadelphia, PA, May 2018, 122-130. ISBN 978-1-935129-24-0.
- 2016 [42] Poerschke, U., Pisciotta, H., Goldberg, D., Ling, M., Goad, L., Hadighi, M., "Making the Glass House Habitable: The Debate on Transparency and A. William Hajjar's Contribution in the Mid-twentieth Century." In: *Proceedings of the Facade Tectonics 2016 World Congress*, Los Angeles, CA, 291-299. Download: <https://facadetectonics.org/publications/>
- [43] Hadighi, M., Poerschke, U., Pisciotta, H., Goad, L., Goldberg, D., Ling, M., "The 'Air-Wall': A Mid-Twentieth-Century Double-Skin Facade by William Hajjar." *Proceedings of the Facade Tectonics 2016 World Congress*, Los Angeles, CA, 473-482.
- [44] Poerschke, U., "The Sun for All: Social Equity and the Debate on Best Solar Orientation of High Modernist Housing." In: M. Couceiro da Costa, F. Roseta, J. Pestana Lages, and S. Couceiro da Costa (eds.): *Architectural Research Addressing Societal Challenges. Proceedings of the 10th EAAE/ARCC International Conference*, Boca Raton/London/New York: CRC Press, 367-373.
- [45] Albrecht Ferreira Da Silva, C., Poerschke, U., "Sustainable Landscape Architecture Design and Performance in Urban Areas." In: M. Couceiro da Costa, F. Roseta, J. Pestana Lages, and S. Couceiro da Costa (eds.): *Architectural Research Addressing Societal Challenges. Proceedings of the 10th EAAE/ARCC Intern. Conference*, Boca Raton/London/New York: CRC Press, 543-550.
- 2015 [46] Poerschke, U., "Solar Buildings in the 1920s. The Discourse on Best Sun Orientation in Modern Housing." In: *Proceedings of the 2015 ASES Conference*, American Solar Energy Society ASES, 8 pages.
- 2013 [47] Rekestad, N. M., Srebric, J., Poerschke, U., "Microclimate Analyses for the Design of Building-Integrated Wind Turbines." In: *AEI 2013. Building Solutions for Architectural Engineering*, edited by Chimay J. Anumba and Ali M. Memari, 604-613.
- 2011 [48] Poerschke, U., Woollen, M., Stewart, S., Srebric, J., Murtha, T., "Design Investigations on Building-Integrated Wind Energy: Observations from an Architecture Studio." In: *Proceedings of 2011 ASES Conference*, American Solar Energy Society, 955-962.
- [49] Poerschke, U., Kalisperis, L., Santamouris, M., Spanou, A., "Design Approaches for Upgrading Historically Significant Architecture Toward Zero-Energy: The Republic of Cyprus Presidential Palace." In: *The Proceedings of the 27th International Conference on Passive and Low Energy Architecture PLEA*, edited by M. Bodart and A. Evrard, Presses Universitaires de Louvain, Belgium, 2011, vol. 2, 527-532.
- 2010 [50] Holland, R., Messner, J., Parfitt, K., Poerschke, U., Pihlak, M., Solnosky, R., "Integrated Design Courses Using BIM as the Technology Platform." In: *Proceedings of BIM-Related Academic Workshop, 2010 Ecobuild Conference*, edited by G. Salazar and R. Issa, Washington DC, 2010, 12 pages.
- [51] Poerschke, U., Holland, R., Pihlak, M., Messner, J., "BIM Collaboration Across Six Disciplines." In: *Computing in Civil and Building Engineering – Proceedings of the 13th International Conference on Computing in Civil and Building Engineering ICCBE 2010*, edited by W. Tizani, Nottingham University Press, UK, 2010, extended abstract published in book format pp. 575-576, full paper published electronically, 6 pages.
- [52] Lulo, L., Poerschke, U., Committee for Environmentally Conscious Architecture, "Innovation in Education: Implementing Environmentally Conscious Design in Architecture Curricula." In: *Proceedings of the 6th Intern. Conference on Innovation in Architecture, Engineering and Construction (AEC)*, edited by C. Anumba, N. Bouchlaghem, J. Messner, M. Parfitt, Department of Civil and Building Engineering Loughborough University, UK, 2010, 487-496.
- 2009 [53] Poerschke, U., "Simulation Applications for Environmentally Sensitive Design - Simulationsprogramme für Umweltsensitives Entwerfen" (English). In: *Proceedings of the 2nd Bauhaus Solar Conference*, edited by Bauhaus University Weimar, 2009, 5 pages.
- [54] Bambardekar, S., Poerschke, U., "The Architect as Performer of Energy Simulation in the Early Design Stage." In: *Building Simulation 2009: Proceedings of the 11th International Building Performance Simulation Association (IBPSA) Conference at the University of Strathclyde, Glasgow*, edited by P. A. Strachan, N. J. Kelly, M. Kummert, Glasgow: IBPSA 2009, 1306-1313.
- 2008 [55] Poerschke, U., Kalisperis, L., "Integrating Energy Simulation Applications and Building Information Modeling in the Design Studio." In: *The Oxford Conference. A Re-Evaluation of Education in Architecture*, edited by S. Roaf and A. Bairstow, Southampton: WIT Press, 2008, 307-310. ISBN 1845642066.
- 2007 [56] Poerschke, U., "Teaching the Relation of Environmental Sensitivity and Conceptual Design." In: *Sun, Wind and Architecture. The Proceedings of the 24th International Conference on Passive and Low Energy Architecture PLEA 2007*, edited by S. Wittkopf and B. K. Tan, Singapore: National University of Singapore, Department of Architecture and Research Publishing Services Singapore, 2007, 699-705.
- [57] Poerschke, U., Kalisperis, L., "BIM: Defining Opportunities for Environmentally Sensitive Design." In: *Sun, Wind and Architecture. The Proceedings of the 24th International Conference on Passive and Low Energy Architecture PLEA 2007*, edited by S. Wittkopf and B. K. Tan. Singapore: National University of Singapore, Department of Architecture and Research Publishing Services Singapore, 2007, 302-308.
- [58] Poerschke, U., "Rethinking Function." In: *Emerging Research + Design, Proceedings of the 2006 ARCC/EAAE Conference at Temple University, Philadelphia*, edited by K. Wingert-Playdon and H. Neuckermans, ARCC 2007, 206-213.

[59] Poerschke, U., "Connecting Poetics and Ethics in the Work of Hannes Meyer (1889-1954)." In: *Proceedings of the Conference "Reconciling Poetics and Ethics in Architecture"* at the Canadian Centre for Architecture and McGill University, Montreal, CA, 2007, electronically published: www.arch.mcgill.ca/theory/conference/index.html, 8 pages.

Editor/Curator of Scientific Journal Issues, peer-reviewed

- 2019–present Senior Editor of *Enquiry*. <https://www.arcc-journal.org>
- 2013–present Co-Editor of *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, ISSN 1430-8363. <https://cloud-cuckoo.net>
- 2024 [60] Claus, S., Führ, E., Poerschke, U. (eds.), *Architectural History, Historicity of Architecture, Historicity of Architectural History*, Theme issue for *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 28 (2024) no. 45, English/German, ISSN 1430-8363. In progress.
- 2019 [61] Poerschke, U., Purdy, D. (eds.), *Bauhaus Transfers*, Theme issue for *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 24 (2019) no. 39, 245 pages, English/German, ISSN 1430-8363.
- 2016 [62] Feldhusen, S., Poerschke, U. (eds.), *Mixings in Architecture and Landscape Architecture*, Theme issue for *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 21 (2016) no. 35, 224 pages, English/German, ISSN 1430-8363.
- 2015 [63] Feldhusen, S., Poerschke, U. (eds.), *Between Architecture and Landscape Architecture*, Theme issue for *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 20 (2015) no. 34, 250 pages, English/German. ISSN 1430-8363.
- 2014 [64] Poerschke, U., Schürer, O. (eds.), *Theorizing Technology in Architecture and Urbanism*, Themenheft für *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 19 (2014) no. 33, 320 pages, English/German. ISSN 1430-8363.
- 2013 [65] Poerschke, U., Gampfer, S. (eds.), *Environmentally Conscious Architecture*, Themenheft für *Buildings*, Basel, CH: MDPI, open access journal (Fall 2013). Editorial 766-770. ISSN 2075-5309.
- 2012 [66] Führ, E., Poerschke, U. (eds.), *Purpose, Function, Use in Architecture and Urbanism*, Theme issue for *Wolkenkuckucksheim | Cloud-Cuckoo-Land. International Journal of Architectural Theory*, vol. 17 (2012) no. 30, 267 pages. English/German. ISSN 1430-8363.

Articles in Professional Journals, not peer-reviewed

- 2023 [67] Hashemi, F., Poerschke, U., lulo, L., Chi, G., "[More vulnerable people live in Philadelphia neighborhoods that are less green and get hotter.](#)" *The Conversation*, 18 December 2023
- 2020 [68] Poerschke, U., "Post Ratio." In: *BDA Informationen*, edited by Erwien Wachter und Monica Hoffmann. München: BDA Landesverband Bayern, 2020, no. 4, 26-27.
- 2019 [69] Poerschke, U., "Bauhaus 2019." In: *BDA Informationen*, edited by Erwien Wachter und Monica Hoffmann. München: BDA Landesverband Bayern, 2019, no. 3, 2 Seiten.

Other Formats

- 2022 [70] Poerschke, U., Feldhusen, S., Interview with Karsten Harries, Yale University, in October 2021, on the occasion of the 25th anniversary of *Cloud-Cuckoo-Land: International Journal of Architectural Theory*. Video 23:30 minutes
- [71] Poerschke, U., Feldhusen, S., Interview with Bernhard Waldenfels, Ruhr-University Bochum, Germany, in October 2021, on the occasion of the 25th anniversary of *Cloud-Cuckoo-Land: International Journal of Architectural Theory*. Video 34:30 minutes.

Chair of Conference Sessions and Symposia

- 2019 *Bauhaus Transfers. Celebrating the Centennial*, Co-Chair of Conference, September 2019, supported by Max-Kade-Gesellschaft and Penn State Stuckeman School, Co-Chair: Prof. Daniel Purdy, Department of German, Penn State.
- 2016 *Mixings: On the Relationship of Architecture and Landscape Architecture — Vermischungen: Zur Beziehung von Architektur und Landschaftsarchitektur*, Co-Chair of Conference, 01 | 28-29 | 2016, Technical University Berlin, supported by DFG, TU Berlin, and Penn State, Co-Chair: Sebastian Feldhusen.
- 2012 *Theoretical Implications of BIM: Performance and Interpretation*, Co-Chair of the Topic Session, 100th ACSA Annual Meeting *0_100 Digital Aptitudes*, Host School: MIT, Boston, March 2012, with Prof. John Folan, Carnegie Mellon Univ.
- 2010 *Innovative Approaches to Environmentally-Conscious Architecture*, Co-Chair of the Session, 6th *International Conference on Innovation in Architecture, Engineering & Construction (AEC)*, Penn State, June 2010, with Prof. Lisa lulo.
- Energy and Environmental Simulation in the Design Studio*, Co-Chair of the Topic Session, 98th ACSA Annual Meeting *RE•Building*, Host School: Tulane University, New Orleans, March 2010, with Profs. Lisa lulo and Loukas Kalisperis.
- 2009 *Environmentally Conscious Design • Educating Future Architects*, Co-Chair of Symposium, Penn State University, PA, October 2009, with Profs. Lisa lulo, Malcolm Woollen, Loukas Kalisperis, Christine Gorby, Charles Cox, and Denson Groenendaal.

Main Funded Research Projects

- 2024 *Expectations Vs. Achievements: Building Energy Use in Planning and Operation*. Interdisciplinary collaboration with Lisa Iulo (Architecture), Guido Cervone (E. Willard and Ruby S. Miller Professor), Associate Director of the Institute for Computational and Data Sciences (ICDS), College of EMS), Ute Poerschke (Architecture), and Jie Li (Architecture). Prof. Iulo serves as PI. IEE Seed Grant, Penn State, amount requested \$40,000 / awarded \$40,000.
- 2022 *From Bauhaus to Palestine: Transferring Modernist Building Technologies from Central-Europe to Israel*. Fellowship to Israel. Jewish National Fund USA. June 4–20, 2022. Fellowship to travel through Israel and collaborate with with Profs. Or Aleksandrowicz (Technion, Haifa), Dan Price (Technion, Haifa), and Eran Neuman (Tel Aviv University).
Assets and Drawbacks of Theory for Architecture, Cloud-Cuckoo-Land Symposium held at the BTU Cottbus on May 19-20, 2022. Funded by the Sutor-Stiftung (Euro 2000), BTU Cottbus, and Momus Foundation.
- 2021 *Urban Microclimate, Outdoor Thermal Comfort, and Socio-Economic Mapping: A Case Study of Two High-Density Cities*. Interdisciplinary collaboration with Guanqing Chi (Co-Pi, Director of the Computational and Spatial Analysis Core, Department of Agricultural Economics, Sociology, and Education), Lisa Iulo (Architecture), and Farzad Hashemi (Architecture). Prof. Poerschke serves as PI. IEE Seed Grant, Penn State, amount requested/awarded \$26,420.
- 2020 *Daylighting and Solar Orientation in High Modernism*. Book project. Stuckeman Professor of Advanced Design Studies, Penn State \$20,000.
Computational Modeling of Urban Heat Island (UHI) Effects: A Workshop for Architects, Landscape Architects, and Urban Planners to address Resilience and Adaptation in the Design Process. Interdisciplinary Collaboration with Dr. Sarith Subramaniam (Architectural Engineering, TU Kaiserslautern), Saeran Vasanthakumar (Kieran Timberlake Architects), Farzad Hashemi (doctoral student). The Huck Institute, Flower Grant for Ecological Research. Requested \$4,000/awarded \$2,000.
- 2019 *Quantifying Enhanced Performance of Passive House (PH) over Conventional Buildings*. Interdisciplinary collaboration with Profs. Lisa Iulo (Architecture, PI), James Freihout (AE), William Banfleth (AE), Donghyun Rim (AE), Corey Griffin (Altoona). IEE Seed Grant, Penn State, amount requested/awarded \$50,000.
Practical Photovoltaic Daylighting. Interdisciplinary collaboration with Profs. Ch. Giebink (Electrical Engineering), Ch. Rahn (Mechanical Engineering), and K. Houser (Architectural Engineering). IEE Seed Grant, Penn State, amount requested/awarded \$50,000. ONGOING
Bauhaus Transfers. Interdisciplinary collaboration with Prof. Daniel Purdy (German Studies) and Palmer Museum of Art. International symposium and journal issue. Funding from Stuckeman Professor of Advanced Design Studies (\$20,000), Max Kade German-American Research Institute (\$20,000), and Palmer Museum of Art (\$3,000). Total: \$43,000.
Incorporating Local and Global Climate Change Scenarios in Building Energy Models to Support the Development of Resilient, Sustainable, and Healthy Cities. Interdisciplinary Collaboration with Profs. Andreas Christen and Andreas Matzarakis, University of Freiburg, and Farzad Hashemi, PhD student at Penn State Department of Architecture. Funded by Penn State Global Programs and SCDC Student Travel Grant. Amount requested: \$14,000/awarded \$4,000.
- 2018 *A. William Hajar's Air-Wall Project – Studying an Early Example of a Double-skin Façade*, Interdisciplinary collaboration with H. Pisciotta (University Libraries), M. Ling (Architectural Engineering), D. Goldberg (Landscape Architecture), M. Hadighi (Ph.D. in Architecture candidate), L. Goad (Ph.D. in Art History candidate). Ute Poerschke is the principal investigator. Raymond A. Bowers Program, requested/awarded in 2015: \$19,652.
- 2017 *Objects, Methods, and Outcomes of Architectural Theory*. English-German book project with Sebastian Feldhusen, TU Berlin. Submitted to the College of Arts and Architecture Faculty Research Grant Program, amount requested/awarded in 2016: \$3,565.
- 2016 *Mixings: On the Relationship of Architecture and Landscape Architecture — Vermischungen: Zur Beziehung von Architektur und Landschaftsarchitektur*, organization of conference at the Technical University Berlin, January 28-29, 2016, with Sebastian Feldhusen, TU Berlin, supported by TU Berlin (provision of conference location, technical equipment, and RAs), Penn State (travel support for Ute Poerschke and Daniel Purdy by Departments of Architecture and German Studies), and DFG (German Research Foundation, grant-# We5021/3-1: €5,400).
Vertical gardening for energy and water managements in buildings. Interdisciplinary collaboration with D. Rim (Architectural Engineering, PI), R. Cameron (Landscape Architecture), S. Echols (Landscape Architecture), M. Ling (Architectural Engineering), A. Mejia (Civil Eng.), M. Hoskins (Applied Research Laboratory). Raymond A. Bowers Program, awarded \$50,000.
- 2015 "Workshop: The Story of Columbus, Indiana, and the other Modernism in Architecture", Collaboration with Thomas Kelly Wilson (PI, Indiana University), Eric Sandweiss (Indiana University), Michael Cadwell (Ohio State University), John Comazzi (University of Minnesota), Wayne Drummond (University of Nebraska-Lincoln), and Anya Sirota (University of Michigan). Indiana University Mellon Grant and the 'Humanities without Walls' Seed Grant, approx. \$6,000.
- 2014 *Architectural Theory of Modernism. Relating Functions and Forms*. Translation support of book project. Department of Architecture, Chair of Integrative Design Fund, amount awarded: \$5,476.
- 2013 *Building Integrated Organic Photovoltaics*, Interdisciplinary cooperation (all Co-PIs) with Profs. J. Brownson (Penn State Energy & Mineral Engr. / Materials Science + Engr.) and Elizabeth von Hauff (Universität Freiburg Physics/Fraunhofer ISE). PSIEE, amount requested/awarded \$7,300.

- Building-Integrated Wind Energy: Connecting Aesthetics and Performance*, Interdisciplinary cooperation with Profs. J. Srebric (Architectural Engineering), S. Stewart (Architectural Engineering and Aerospace Engineering), T. Murtha (Landscape Architecture), and S. E. Haupt (Applied Research Laboratory, Meteorology). Associate Professor Poerschke is the principal investigator. Stuckeman Collaborative Design Research Fund (amount requested/awarded \$9,145), Penn State Sustainability Seed Grant Program (12 out of 74 proposals were funded, amount requested/awarded \$27,750), Raymond A. Bowers Program (requested/awarded \$15,771). Total funding: \$52,666.
- 2012 *Interdisciplinary Collaborative Building Information Modeling Studio. Incorporating the BIM Studio in the Curricula of Architecture, Landscape Architecture and Architectural Engineering*, Interdisciplinary collaboration with Profs. R. Holland (PI, Architecture and Architectural Engineering), J. Messner (Architectural Engineering), D. Goldberg (Landscape Architecture). Raymond A. Bowers Program, amount requested/awarded \$20,000.
- SALA Green Wall Demonstration Project*, Interdisciplinary cooperation with Profs. S. Echols (PI, Landscape Architecture), B. Kew (Landscape Architecture), A. Lau (Architectural Engineering, with graduate student A. Mackey), E. Pennypacker (Landscape Architecture). The Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment, amount requested/awarded \$19,972.
- Exhibiting Student Projects at the Erie Maritime Museum*, Cooperation with Prof. M. Woollen. Funding by the Hamer Center for Community Design, Penn State, \$500.
- Testing façade elements for shading effectiveness. A comparison of heliodon testing and computational simulation*, President's Fund for Research to Engage Undergraduates in Faculty's Research Programs, Penn State, amount requested/awarded \$500.
- 2011 Scholarship from the *Appalachian Regional Commission (ARC)* to attend the *Community Wind across America Conference*, State College, PA, February 8-9, 2011. The scholarship covered the conference registration.
- Building Information Modeling (BIM): Benchmarking Research and Refinement of the Interdisciplinary BIM Design Studio*, Interdisciplinary cooperation with Profs. R. Holland (PI, Architecture and Architectural Engineering), J. Messner (Architectural Engineering), M. Pihlak (Landscape Architecture). The Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment, Penn State, amount requested/awarded \$20,000.
- 2010 *Environmentally Conscious Architecture and Historical Preservation: The Republic Of Cyprus Presidential Palace*, Impact study regarding the implementation of sustainable design strategies in a historically sensitive structure. The Cyprus Institute, Nicosia, Cyprus, amount requested/awarded \$11,692 + costs for two research and presentation trips to Cyprus. Project information: www.cyi.ac.cy/node/323.
- Architecture of the Wind: Developing a Database of Buildings that Integrate Wind Energy*, President's Fund for Research to Engage Undergraduates in Faculty's Research Programs, Penn State, amount requested/awarded \$500.
- Scholarship from Autodesk Inc. to attend the *2010 Autodesk University Conference*, Las Vegas, NV, Nov 30- Dec 2, 2010. The scholarship included conference registration and travel/hotel.
- Symposium Environmentally Conscious Design • Educating Future Architects*, Funding of a symposium on October 23-25, 2009 on the topic of teaching sustainability in architectural design with speakers from institutions that have been pioneers in sustainable teaching and learning. Cooperation with Profs. L. Lulo, L. Kalisperis, C. Gorby, M. Woollen, D. Groenendaal, and C. Cox. Schreyer Institute for Teaching Excellence (amount requested \$10,500/awarded \$4,000), Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment (amount requested/awarded \$7,865), Incentives and Innovations Fund, College of Arts and Architecture (amount requested/awarded \$6,000), School of Architecture and Landscape Architecture (amount awarded \$2,500). Total funding: \$20,365.
- 2009 *Rediscovering the Concept of Function in Architecture*, Institute for the Arts and Humanities Resident Scholars Program, Penn State, residency in Fall 2009.
- Building Information Modeling (BIM): Creating an Integrated BIM Design Studio*, Interdisciplinary cooperation with Profs. R. Holland (PI, Architecture and Architectural Engineering), J. Messner (Architectural Engineering), M. Pihlak (Landscape Architecture). The Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment, Penn State, amount requested/awarded \$20,000.
- 2008 *Evaluating the Influence of Building Information Modeling and Energy Simulation Applications on the Architectural Design Process*, Autodesk and ACSA Integrated Studio Project, January – May 2008, amount requested/awarded \$5,000.
- 2007 *Implementing 3D Information Modeling Applications into the Curriculum*, Interdisciplinary cooperation with Profs. J. Messner (Architectural Engineering), T. Murtha (Landscape Architecture), G. Otto (Information Technology Systems). The Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment, Penn State, amount requested/awarded \$20,000.
- Evaluating the Influence of Energy Simulation on the Architectural Design Process*, College of Arts and Architecture 2007-08 Competition for Faculty Research Grants, Penn State, amount requested/awarded \$7,210.
- Developing a Matrix that Associates Energy Software to Architectural Design Phases*, President's Fund for Research to Engage Undergraduates in Faculty's Research Programs, Penn State, amount requested/awarded \$500.

Selected Lectures and Presentations

- 2024 "Bauhaus Architectures and Daylight Analyses," UNESCO World Heritage Day on 2 June 2024, ADGB School in Bernau bei Berlin. <https://www.unesco-welterbetag.de/welterbestaetten/das-bauhaus-und-seine-staetten-weimar-dessau-und-bernaeu>. <https://www.welterbe-bernaeu.de/UNESCO-Welterbetag-in-Bernau.html>
- "Daylight Studies at the Bauhaus," 19 April 2024, SAH Conference Albuquerque, NM.
- 2022 "Architektur und Design: Geschichte und Theorie" (Architecture and Design: History and Theory), 12 July 2022, State Academy of Fine Arts Stuttgart, online.
- "Aspiring Scientific Design: Hannes Meyer and Hans Wittwer's Petersschule Project and Daylighting Scholarship." 18 May 2022, ACSA 110 Conference, online.
- 2021 "Zeitlichkeit und Zeitlosigkeit in Geschichte, Theorie und Praxis der Architektur" (Historicity and Timelessness in Architectural History, Theory, and Practice), 16 March 2021, Hochschule Koblenz, University of Applied Science, online.
- 2019 "Consensus and Conflicts: Approaches to Sustainable Practices in Architecture in the European Union and its Member State Germany," 31 Oct. 2019, Jean Monnet Center of Excellence and Center for European Studies, University of Florida.
- "Bauhaus 2019: Celebrating the Centennial," 12 Sept. 2019, Palmer Museum of Art, Penn State.
- 2018 "The Architect as Hygienist," paper presentation at the European Society for the History of Science ESHS Biennial Conference in conjunction with the British Society for the History of Science BSHS London, September 16, 2018.
- "Data-Driven Design in High Modernism: Ludwig Hilberseimer's Solar Orientation Studies," paper presentation at the ARCC/EAAE International Conference, Philadelphia, PA, May 18, 2018.
- 2017 "A Source of Inspiration. Mathematical Functions in Architectural Theory," 20 May 2017, International Conference "Aesthetics of Mathematics – Mathematics of Aesthetics: Mathematical Concepts and their Reflections in Literature, Art and Architecture from the 18th to the Early 20th Centuries," organized by Schweizerische Gesellschaft für Kulturtheorie und Semiotik and the Institute for the History and Theory of Art and Architecture, Accademia di Architettura, Università della Svizzera Italiana, Mendrisio, Switzerland.
- 2016 "Researching High Modernism," 4 Nov. 2016, Doctoral Colloquium at the University of Pennsylvania Architecture Program, Philadelphia, PA.
- "Discussing the Meaning of Architecture," 9-10 March 2016, Panel Discussion and Lecture, TU Wien.
- 2015 "The Suns of Modernism," 20 March 2015, American Society of Environmental History (ASEH), Washington, DC.
- 2014 "Menschen leben an Orten. Macht herrscht durch Ströme: Manuel Castells' Überlegungen zu Orten im Informationszeitalter," 20 Nov. 2014, Symposium "Ort und Ortsbezug in der Architektur seit der Renaissance", Hochschule für Angewandte Wissenschaften München, 20–22 Nov. 2014.
- 2013 "Das Material in der Architektur," 27 June 2013, Hochschule Frankfurt am Main (Prof. Gies).
- "Teaching the Meaning of Technical Systems in Architecture," 15 June 2013, Southeast University SEU, School of Architecture, Nanjing, China.
- 2011 "Design Approaches for Upgrading Historically Significant Architecture Toward Zero-Energy: The Republic of Cyprus Presidential Palace," 13 July 2011, 27th International Conference on Passive and Low Energy Architecture PLEA, Louvain-la-Neuve, Belgium.
- "Research with Design Insight," panel presentation (80 min) at the Council of Educators in Landscape Architecture CELA 2011 Conference URBAN NATURE, Los Angeles, April 1, 2011. Co-presenters: Profs. M. Pihlak, A. Staub, J. Cooper, and S. Lenzholzer (Wageningen University, NL).
- 2010 "Funktion und Leben. Diskurse über Gestaltung in den 1920er Jahren," 19 March 2010, Museum für Angewandte Kunst Frankfurt, Keynote.
- 2009 "Architektur als mathematische Funktion. Überlegungen zu Gottfried Semper", 11 July 2009, Interdisziplinäre Tagung zum Thema "Vergleich, Analogie, Klassifikation - Genealogie der vergleichenden Wissenschaften um 1800," Universität zu Köln.
- "Comparing Sustainable Architecture in Europe and the USA," 1 April 2009, Department of International Relations (Prof. Pribic), Lafayette College, Easton, USA.
- 2008 "The Architectural Whole Scientifically Considered," presentation at the 5th Biannual European Conference of the Society of Literature, Science, and the Arts SLSA: Figurations of Knowledge, Berlin, Germany, June 7, 2008.
- 2007 "Connecting Poetics and Ethics in the work of Hannes Meyer (1889-1954)," paper presentation at the international conference 'Poetics and Ethics in Architecture' at McGill University, Montreal/CA, September 14, 2007

Visiting Critic

- 2021 University of Applied Sciences Koblenz, invited by Prof. Poensken, December 14.
- 2020 Technical University of Berlin, invited by Prof. Jörg Gleiter, December 10.
- 2019 University of Florida, Gainesville, invited by Prof. Jeffrey Carney, October 30.
- 2018 Technical University of Munich, invited by Prof. H. Deubzer, June 19 and July 10.
- 2017 Columbia University, New York, NY, invited by Prof. L. Widder, May 1.
- 2016 Columbia University, New York, NY, invited by Prof. L. Widder, May 9.
- 2014 Technical University of Dresden, Germany, invited by Prof. A. Hahn, July 11-12.

2013	University of the Arts, Philadelphia, invited by Prof. A. Guido, October 31.
	South-East University, Nanjing, China, invited by Profs. K. Gong and O. Schoch, June 14-17.
2011	Iowa State University, Ames, IA, invited by Prof. U. Passe, November 14.
2009	Technical University of Munich, invited by the Institute of Building Physics, July 21.
	Technical University of Berlin, Constructive Design/Climate Appropriate Building Institute, July 17.
2006	Technical University of Munich, invited by Prof. D. Fink, July 18.

Student Supervising

Ph.D. in Architecture Dissertations

Current	Tasneem Tariq, Co-Advisor with Prof. Lisa Iulo. <i>Integrating Blue-Green-Infrastructure in the Urban Landscape.</i> Maryam Aman. Co-Advisor with Prof. Jose Duarte. <i>Integration of Sustainable Design Practices in the AEC Industry in Pakistan.</i> Jie Li. Co-Advisor with Prof. Lisa Iulo. <i>An Approach of Closing the Performance Gap in Sustainable Buildings: Use Real Performance Data in Design.</i> Mike Nowak. <i>Small Learning Communities as a Model for Creating Safer Schools: The Role of Civility and Trust in Innovative Learning Environments.</i> Jingshi Zhang. Co-Advisor with Prof. Rahman Azari. <i>Electrochemical Energy Harvesting and Storage Through Building Skins.</i>
2023	Farzad Hashemi. Co-Advisor with Prof. Lisa Iulo. <i>Mitigating Urban Heat Island Effects in the Architectural Design Process.</i> 2024 ARCC Dissertation Award.
2018	Clarissa F. Albrecht da Silveira. <i>Integrating the Design of Buildings and Landscapes: Towards Enhanced Ecosystem Services Provision in Urban Areas.</i> Awarded with an Honorable Mention in the 2019 ARCC Dissertation Award.

M.S. in Architecture Theses

Current	Tatjana Neuberger. <i>The General Stores in Nineteenth-Century Pennsylvania, studied on the General Store in McAlevy's Fort, PA.</i>
2022	Tasneem Tariq. Co-Advisor with Prof. Lisa Iulo. <i>Impact of Vegetated Infrastructure to Mitigate the Urban Heat Island Effect in Dhaka, Bangladesh.</i>
2021	Maryam Esmailian. Co-Advisor with Prof. Lisa Iulo. <i>The Development of a Simplified Daylight Modeling Approach for Use in LEED.</i> Tazrin Islam. Co-Advisor with Prof. Yasmine Abbas. <i>The Impact of Green Walls on Human Thermal Comfort.</i>
2020	Sumaiya Mehjabeen. Co-Advisor with Prof. Lisa Iulo. <i>Deep Daylighting: Impact of Lightwells on Indoor Daylighting and Energy Consumption in High-rise Residential Buildings in Dense Urban Contexts.</i>
2019	Kristen Topper. <i>Policy and Design for Changing Living Situations. An Architectural Perspective.</i>
2018	Sourav Dey. Co-Advisor with Prof. Lisa Iulo. <i>The Circular Economy of Dharavi: Making Building Materials from Waste.</i> Elena Vazquez. Co-Advisor with Prof. Jose Duarte. <i>Masonry Screen Walls in Paraguay: Creating a Digital Framework for Shape, Performance, and Optimization.</i> Awarded with the 2018 Penn State Distinguished Master's Thesis Award. Awarded with the 2018 ARCC King Medal.
2017	Yasaman Roostaean. <i>Branding LEED to Millennials: A Consumer-Oriented Approach to the Marketing of Green Building Certifications.</i>
2016	Shivaram Punathambekar. <i>Architects Anonymous. Developing a Participatory, User-Friendly Platform to Generate Region-Specific Climatic Building Design Strategies.</i> Cansu Tari. <i>Framing a Turkish Campus Sustainability Assessment System.</i>
2015	Mina Rahimian. Co-Advisor with Prof. Lisa Iulo. <i>A Participatory Approach for Constructing Energy Resiliency.</i> Farah Abdel Galil. Co-Advisor with Prof. Christine Gorby. <i>Textile Architecture: From Fabric to Culture to Museum.</i>
2014	Mahzad Tashakori. <i>Design of a Computer Controlled Sun-Tracking Façade Model.</i> Karen Henrique. <i>Transition as Condition: Toward Flood Resilience Through Flexible Architecture.</i>
2012	Neeraj Chatterji. <i>Investigating the Energy Footprint of Conventional Façade Systems to Modern Multi-Layered Façade Systems.</i>
2010	Hala Haddad. <i>Applying Sustainable Design Techniques in Palestinian Residential Buildings.</i> Rohan Haksar. <i>An Investigation into a Visual Framework Integrating BIM-ESS workflow in the Early Design Phase.</i>
2009	Suhas Bambardekar. <i>An Investigation into the Methods to Facilitate Understanding of the Use of Energy Simulation Programs by Architects in the Early Design Stage.</i> Dima Yaser. <i>Architecture and the City: Ramallah's Changing Identities.</i>

Member of Doctoral Committees

Current	Houman Riaz Jorshari, Ph.D. in Architecture, <i>In-Between Power and Profession. Media, Architecture, and Ideological Frictions in Iran During the Pahlavi State (1945-1979)</i> , Advisor: Pep Aviles, Architecture.
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- Zia Mohajerzadeh, Ph.D. in Architecture, *Building Envelope Integration of Thermal-Electric Systems*, Advisor: Rahman Azari, Architecture.
- Amin Sepehri, Ph.D. in Architectural Engineering, *Toward a Decarbonized Building: The Role of Dynamic Insulation and Long-Duration Energy Storage*, Advisor: Gregory Pavlak, Arch. Eng..
- Craig Casey, Ph.D. in Architectural Engineering. *Optimization of Daylight Zones for Electric Lighting: An Analysis Using Greedy Algorithms and K-Means Clustering*, Advisor: Richard Mistrick, Architectural Engineering.
- 2023 Abdulrahman Eid Aljuhani, Ph.D. in Architectural Engineering. *Applying Daylight Glare Probability (DGP) Simulations to Windows with Fabric Shades and Auto-Shade Position Control*, Advisor: Richard Mistrick, Architectural Engineering.
- 2022 Naim Jabbour, Doctor of Design, Carnegie-Mellon University. *Design Optimization for Net Zero Energy Apartment Buildings in Lebanon: A Parametric Performance Analysis of a Residential Case Study*. Advisor: Erica Cochran Hameen, CMU School of Architecture.
- 2020 Shadi Abdel Haleem, Ph.D. in Architectural Engineering. *Assessment of Sensors and Actuators*, Advisor: William Bahnfleth, Architectural Engineering.
- 2018 Reza Foroughi, Ph.D. in Architectural Engineering. *New Approach in Designing a Kinetic Window Shading Using Simulation-Based Optimization Method*, Advisor: Somoyeh Asadi, AE.
- Saratu Terreno, Ph.D. in Architectural Engineering. *Value Delivery in Facilities Management*, Advisor: Chimay Anumba, Architectural Engineering.
- Sarith Subramaniam, Ph.D. in Architectural Engineering. *Parametric Modeling Strategies for Efficient Annual Analysis of Daylight in Buildings*, Advisor: Richard Mistrick, AE.
- 2017 Ehsan Mostavi, Ph.D. in Architectural Engineering. *Designing of High Performance Commercial Buildings*, Advisor: Somoyeh Asadi, Architectural Engineering.
- Amanda Lind, Ph.D. in Acoustics. *Acoustic Scattering by Buildings for Sonic Booms using Methods of Architectural Acoustics*, Advisor: Victor Sparrow, Acoustics.
- 2014 Daranee Jareemit, Ph.D. in Architectural Engineering. *A Semi-Empirical Investigation of Ventilation Rates in Retail Stores*, Advisor: Jelena Srebric, Architectural Engineering.
- Christof Ehrlich, Dr.-Ing. Technische Universität Cottbus. *Architektur als symbolische Form*, Advisor: Eduard Führ.
- 2013 Ralph Kreider, Ph.D. in Architectural Engineering. *An Ontology of the Implementation Strategies of Building Information Modeling*, Advisor: John Messner, Architectural Engineering.
- 2012 Kimberly Riegel, Ph.D. in Acoustics. *Propagation of Sonic Booms in Urban Landscapes*, Advisor: Victor Sparrow, Acoustics.
- 2009 Robert M. Leicht, Ph.D. in Architectural Engineering. *Developing a Strategic Decision Matrix for Planning Interactive Collaborative Workspaces*, Advisor: John Messner, Architectural Engineering.

Service to the Disciplines and to the Profession

External Reviewer of Tenure and Promotion Candidates

Arizona State University, Syracuse University, University of Florida, University of North Carolina, University of Wyoming

National Architectural Accrediting Board NAAB

- 2013-present Service for the National Architectural Accrediting Board (NAAB) Visiting Teams as an Association of Collegiate Schools of Architecture (ACSA) representative. In this role, Prof. Poerschke participates in evaluating ACSA member schools and their architecture programs through site visits to validate and supplement Architectural Program Reports. Participation in NAAB visits 2013, 2015, 2016, 2017, 2018, 2020.

Service to Conference Scientific Committees

- 2023/24 *4th Valencia International Biennial of Research in Architecture*, VIBRArch, hosted by Polytechnic University of Valencia, November 13–15, 2024. Abstract/full paper reviewer.
- 2022/23 *3rd Valencia International Biennial of Research in Architecture*, VIBRArch, hosted by Polytechnic University of Valencia, November 9–11, 2022. Abstract/full paper reviewer.
The Research-Design Interface. ARCC 2022 International Conference, Dallas, TX. Abstract/full paper reviewer.
- 2020/21 *Resilient City: Physical, Social and Economic Perspectives*, ARCC-EAAE 2022 International Conference, Florida International University (FIU) in Miami, March 2-5, 2022. Abstract (5), paper (2), and poster (1) reviewer.
Empower, ACSA 110th Annual Meeting, Los Angeles, March 17-19, 2022 and May 19-20, 2022. Abstract reviewer (10), full paper reviewer (2).
Performative Environments, ARCC 2021 International Conference, Tucson, AZ. Abstract/full paper reviewer.
- 2020 *The Architect and the City*, EAAE/ARCC 2020 International Conference, Nov. 2020 Polytechnic University of Valencia, Spain. Full paper reviewer.
Italian Imprints: Influences and Issues in Architectural Culture in the Long Twentieth Century, International Conference January 16-18, 2020, Penn State, organized by Denise Costanzo and Andrew Leach. Session chair.
- 2018/19 *Future Praxis: Applied Research as a Bridge Between Theory and Practice*, ARCC 2019 International Conference, Ryerson University, Toronto. Abstract/full paper reviewer.

- 2017/18 *Architectural Research for a Global Community*, ARCC/EAAE 2018 International Conference, Temple University, Philadelphia. Abstract/paper reviewer.
- 2016/17 *Architecture of Complexity, Design, Systems, Society and Environment*, ARCC 2017 International Conference, University of Utah. Abstract/full paper reviewer.
- 2015/16 *Sustainable Futures Conference (2016 SFC): Architecture and Construction in the Global South*, UN Headquarters in Nairobi, Kenya. Abstract/full paper reviewer.
Societal Challenges, ARCC/EAAE 2016 International Conference, University of Lisbon, Portugal, June 15-18, 2014. Abstract/paper reviewer, panel moderator.
- 2014 *Future of Architectural Research*, ARCC 2015 Conference, organized by Perkins + Will and the University of Massachusetts Amherst, Chicago on April 6-9, 2015. Abstract/full paper reviewer.
- 2013 *Beyond Architecture, New Intersections and Connections*, ARCC/EAAE International Conference, University of Hawaii at Manoa, School of Architecture, February 12-15, 2014. Abstract/full paper reviewer.
Building Technology Educators' Society BTES Conference 2013, Roger Williams University/NJIT, Bristol, RI, July 2013. Full paper reviewer.
Architectural Engineering Institute (AEI) Conference, The Pennsylvania State University, organized by the Penn State Department of Architectural Engineering and the American Society of Civil Engineers (ASCE), April 3-5, 2013. Reviewer and organizer.
- 2012 *National Conference of the Beginning Design Student NCBGS*, Penn State (chair: Jodi LaCoe), March 31, 2012. Session moderator.
Practical BIM: The Sixth Annual USC BIM Symposium, University of Southern California (Douglas Noble), July 13, 2012. Full paper reviewer.
Cities in Transformation Research & Design, EAAE/ARCC International Conference, Milano, June 7-10, 2012. Abstract/full paper reviewer.
Architecture and Energy: Questions about Performance and Style, Public Symposium at University of Pennsylvania, School of Design, January 27, 2012. Session moderator.
Building Enclosure Sustainability Symposium BESS 2011: Integrating Design & Building Practices, Pomona, CA, April 29-30, 2011. Full paper reviewer
- 2010 *6th International Conference on Innovation in Architecture, Engineering & Construction (AEC)*, Penn State, June 2010. Full paper reviewer.

Reviewer of Manuscripts and Book Proposals

Manuscript reviewer for the following journals:

- Architecture (ISSN 2673-8945)
- Architectural Theory Review (ISSN 1326-4826)
- Buildings (ISSN 2075-5309)
- Education Sciences (ISSN 2076-3344)
- Energies (ISSN 1996-1073)
- Engineering, Construction & Architectural Management (ISSN 0969-9988)
- Enquiry (ISSN 2329-9339)
- Materials (ISSN 1996-1944)
- Paper of the British School at Rome PBSR (ISSN 0068-2462)
- Sustainability (ISSN 2071-1050)
- TAD Technology | Architecture + Design (ISSN 2475-1448)
- VLC Arquitectura (ISSN 2341-3050)

Proposal reviewer for the following publishers:

- Delmar Cengage Learning
- Routledge

External Reviewer of Research Funding and Awards

- European Science Foundation, College of Expert Reviewers
- German Research Foundation DFG
- North-Eastern Association of Graduate Schools
- Research Foundation Flanders FWO, Belgium
- Swiss National Science Foundation FNS/SNF
- UNC Charlotte
- Xi'an Jiatong-Liverpool University in Suzhou, Jiangsu, China

Academic Service

Department of Architecture

Associate Department Head for Graduate Education 2021-24
 Director of Graduate Studies (M.Arch., M.S., Ph.D.) 2014-18 and 2021-24
 Promotion and Tenure Committee, 2012-18 and 2021-22
 Faculty Search Committees, 2006-08, chair in 2011/12, 2012/13, 2016/17, 2019/20, 2021/22
 Graduate Affairs Committee, chair 2014-2018 and 2021-24

Interim Department Head 2018–19
Recruitment Visits 2018–24
Strategic Planning Committee, 2009–10
Faculty Adviser of *SEED* (*Students for Environmentally-Enlightened Design*), 2010–20
M.Arch. Studio Coordinator, 2015–18
Third-Year B.Arch. Studio Coordinator, 2010–12
Second-Year B.Arch. Studio Coordinator, 2007–09

School of Architecture and Landscape Architecture

Ph.D. Affairs Committee, 2014–2022, chair 2014–18 and 2021–24
Stuckeman School Council, 2007–09 and 2010–12

College of Arts and Architecture

College Promotion and Tenure Committee 2019–20, 2022–24
Graduate Affairs Committee, 2014–2018 and 2021/22, chair 2017–18, 2021–24
Committee on Research and Creative Activity 2020–22
College Administration Committee 2018–19

University Level

Graduate Student Funding Task Force 2024–25
Search Committee Department Head of Architectural Engineering 2017–18
University Graduate Council, 2016–18
Facilities Planning Advisory Board, 2008–12 and 2014–16
Institute for the Arts and Humanities IAH Advisory Board, 2011–13
Penn State IEE Sustainability Advisory Committee, 2009–12