

Professional Experience

Assistant and Associate Professor, University Wisconsin Stout, Engineering & Technology Department
Program Director, Engineering Technology Program, University WI Stout
Lecturer, University Wisconsin Stout, Engineering & Technology Department
Architect, Interior Architect, Architectural Firms in the USA and Germany

Education

Licensed Architect, Wisconsin
NCARB certified, National Council of Architectural Registration Board
Master of Architecture (MArch), Frank Lloyd Wright School of Architecture, Wisconsin
Licensed Interior Architect, Bayerische Architekten Kammer, Germany
Diplom Ingenieur Interior Architecture, University of Appl. Sciences, Rosenheim Germany

Professional Societies

National Council of Architectural Registration Boards (NCARB)
Bavarian Architectural Association (BAK)

Presentations and Publications

- Herrmann, M. (2018) Self-Reliance - Applying UD from Architecture to the Classroom. In Zaloudek, J., Chandler, R., Carlson, K., Howarton, R. *Universal Design for Learning – Teaching to ALL College Students* (pp. 199-211) Menomonie, WI: Nakatani Teaching and Learning Center. ISBN 978-1-943290-63-5, Library of Congress Number: 2018940318
- Johnson, J., Herrmann, M., Schofield, N. (2018). *Benches from Ash: A Collaboration*. Presented at the International Urban Forestry Congress (IUFC), Vancouver, Canada.
- Chida, M., Howarton, R., Herrmann, M., Mullins, K., Zagorski, K. (2018). *HIP-High Impact Practice _ Collaborative Assignments and Projects: applying high impact classroom practices to out of the ordinary learning challenges*. Presented at the Office of Professional & Instructional Development (OPID) annual conference, Madison, WI.
- Herrmann, M. (2017). *Review-Revise-Reflect: principles of metacognition to stimulate engagement in early college education*. Presented at American Society of Engineering Education (ASEE), annual conference, NMW Section, Minneapolis, MN.
- Herrmann, M. (2017). *Universal Design in Learning: a teaching training module* (online video) available to faculty on the UW Stout “Desire-to-Learn” (D2L) platform.

- Herrmann, M. (2015). *Confidence - A Path to Mastering Challenge: exploring strategies to strengthen students' confidence in graphical expression through transformative experiences*. Presented at American Society of Engineering Education (ASEE) 122nd Annual Conference and Exposition, Seattle, WA.
- Herrmann, M. (2013). *LEED Certification Fundamentals _ understanding the core concept of the LEED rating system and how it can apply to civil engineering*. Presented at the section meeting of the American Society of Civil Engineers (ASCE), Menomonie, WI.
- 1986-88: Book Illustrations
Herrmann, M., (1988) illustrations in Stifter, R. *Dachgärten – Grüne Inseln in der Stadt* (translation: Roof Gardens – Urban Green Islands) ~ 60 technical illustrations throughout the book, Stuttgart, Germany: Ulmer
Gemke, M., Herrmann, M., (1988) illustrations in Berling, R., Ott, E. *Handbuch Garten – Das grosse Nachschlagewerk für alle Fragen der Gartenpraxis* (translation: Garden Handbook – the compendium for all garden questions), ~60 illustrations throughout the book, München, Germany: BLV Verlagsgesellschaft mbH

Courses taught at UW Stout:

- **ETECH-112 Engineering Graphics Fundamentals** (incl. AutoCAD) Fundamentals of engineering graphics: principles, standards and graphic language necessary to communicate technical information on industrial drawings. Includes appropriate software, visualization, geometric concepts and dimensioning basics.
- **ENGGR-134 Computer Assisted Design and Building Information Modeling** (incl. Revit) Tools, concepts and strategies to create digital 2D and 3D project views essential to the building industry. Including Computer Assisted Design (CAD) and Building Information Modeling (BIM) programs that are current industry standard.
- **ETECH-256 Engineering Graphics Fundamentals and Solid Modeling** (incl. SolidWorks) Fundamentals of engineering graphics: principles, standards and graphic language necessary to communicate technical information on industrial drawings. Includes appropriate CAD (modeling) software, visualization, geometric concepts and dimensioning basics.
- **AEC-131 Architectural Graphics**, incl. sketching, and AutoCAD Architectural drafting with emphasis on drawing theory and delineation. Drawing media and equipment are utilized in solving problems relating to construction that are normally solved graphically. If taken for three credits, computer aided drafting will be included in the course work.

- **AEC-191 The Built Environment** (GE course) Construction and its relationship to resources, materials, and the culture in which it takes place. Discussion of significant historical and modern structures. Emphasis on how, why, and by whom structures are built and what can be learned from them.
- **AEC-233 Architectural Design I** (incl. AutoCAD/ Revit) Develop graphic simulation techniques and problem- solving abilities related to the architectural effectuation process. Gain an understanding of site planning, residential space requirements, building codes, structure, finishes, mechanical and electrical systems.
- **AEC-237 Architectural Technology** (incl. AutoCAD/ Revit) Space programming and planning, working drawings for commercial and industrial buildings. Building codes, energy requirements, construction contract documents, structural materials and systems, building materials and systems.