

Sheila Ross, Ph.D.

Professor, Department Chair at Milwaukee School of Engineering

Milwaukee, WI, US

Dr. Sheila Ross is an expert in the areas of universal design and engineering education.

Biography

Dr. Sheila Ross is chair of the Electrical, Computer and Biomedical Engineering Department and has been a faculty member at MSOE since 2008. Her current area of research involves the integration of best practices for inclusion and success into the electrical engineering curriculum. Dr. Ross developed a workshop series on Universal Design for Learning (UDL), which supports learners with a wide variety of challenges, including those due to neurological differences such as ASD and ADHD, as well as a wide variety of other challenges faced by students such as stereotype threat, differences in pre-college experiences, and diverse learning and communication styles. She serves on university committees creating policy and recommendations, advises her SWE Collegiate chapter, shares research on diversity with other engineering faculty, and participates in outreach to K-12 schools. She received the "Making a Difference for Women at MSOE" award in recognition of her institutional contributions. She has been active in the Women in Engineering ProActive Network (WEPAN), serving as President, Director, and Conference Chair for the WEPAN Change Leader Forum.

Affiliations

Society of Women Engineers - SWE, Women in Engineering Pro Active Network - WEPAN,
Association on Higher Education and Disability - AHEAD

Event and Speaking Appearances

Universal Design for Learning

Presenter for CREATE Institute Workshop

Do it early and do it often: engineering math for first term EE students

ASEE Annual Conference Proceedings,

Hidden Treasure: Universal Design Practices in Post-Pandemic Engineering Education

WEPAN Webinar 2021 - Presenter

Education, Licensure and Certification

Certificate in Executive Function and LD

Landmark College Integrating Strategies, Study Skills, and Technology

Ph.D.

Electrical and Computer Engineering University of Wisconsin-Madison

M.S.

Electrical and Computer Engineering University of Wisconsin-Madison

B.S.

Electrical Engineering and Applied & Computational Mathematics Marquette University

Accomplishments

President, Women in Engineering ProActive Network (WEPAN)

2020-2021

National Science Foundation GK-12 Fellowship

2004-2005

Gerald Holdridge Teaching Excellence Award

2001

National Science Foundation Graduate Research Fellowship

1997-2000

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