Jennifer L. Bonniwell, Ph.D.

Associate Professor and EE THL Coordinator at Milwaukee School of Engineering

Milwaukee, WI, US

Dr. Jennifer Bonniwell's research interests include advanced control theory, estimation, Kalman filtering and engineering education.

Biography

Dr. Jennifer L. Bonniwell is an Associate Professor in the Electrical, Computer and Biomedical Engineering department and has been a faculty member at MSOE since 2016. Dr. Bonniwell is one of the core instructors to teach control systems and digital logic. Much of her technical research examines inherent properties of the extended Kalman filter and its variants. Prior to teaching, she worked as an electrical engineer for Northrop Grumman.

Areas of Expertise

Digital Design With Hardware Description Languages (E.g. VHDL)), Control Systems, Control Theory, Electrical Engineering, Computer Engineering, MATLAB Simulation, Advanced Control Theory, Estimation and Kalman Filtering

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Affiliations

American Society for Engineering Education (ASEE) : Member, Institute of Electrical and Electronics Engineers (IEEE) : Member

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Event and Speaking Appearances

WISE: Women In Sensors Engineering
Sensors Midwest 2018

Education, Licensure and Certification

Affiliate Professor Certification
PLTW-DE

Ph.D.
Electrical Engineering Marquette University

Flight Control Systems Program Certification
UCLA Extension

M.S.
Electrical Engineering Marquette University

B.S.
Electrical Engineering Milwaukee School of Engineering

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