

Mark Paulik, Ph.D.
Curriculum Vitae

PROFILE

Experienced in leadership, academic administration, faculty mentoring, recruitment, ABET accreditation, teaching, research, and grant writing. Effective with industrial and government research partners. United States Citizen.

EDUCATION

Ph.D., Systems/Electrical Engineering (ECE: 2D Signal/Image Processing) June 1989
Oakland University; Rochester, Michigan

Science Masters, Electrical Engineering (Embedded Systems) June 1983
Massachusetts Institute of Technology; Cambridge, MA

Bachelor of Electrical Engineering May 1981
University of Detroit; Detroit, Michigan

PROFESSIONAL EXPERIENCE

Professor of Electrical and Computer Engineering August 2001 - Present
University of Detroit Mercy (UDM)
Chairperson, Department of Electrical and Computer Engineering,

- Assisted with the development and launch of a Robotics and Mechatronic Systems 3+2 program with multiple Chinese Universities. Program launch: Fall 2017.
- Developed marketing materials (website, banners, brochures, and giveaways) and personally

- 2012, 2013 — First and Second place in Joint Architecture for Unmanned Systems (JAUS) competition, 6th place Design.
- 2008, 2009, 2010 — Winner First Place Overall IGVC
- 2006, 2007 — Winner Third Place Overall IGVC
- 2005 — Sixth Place Autonomous Challenge Competition IGVC

Embedded Systems Laboratory

Advanced, Audio system, Control, and Robot-based projects using mobile or arm-based actuators in combination with multiple sensors and interface protocols.

Hardware Description Languages: VHDL:

Advanced treatment of digital system design methodology, VHDL design and simulation language (Structural, Data flow, and Behavioral), Simulation and Synthesis construction and demonstration of FPGA based projects

Hardware Description Languages Design Laboratory

Implementation of FPGA-based system designs (e.g. video systems, mp3 encoders, roboT Q q 1 tg41dL -

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61. M. Das, M. J. Paulik, and N. K. Loh, "A Projection Based Constrained Optimization Technique for One Shot Optimal Design of Stable 1-D and Separable 2-D IIR Filters," Proceedings of the International Conference on Acoustics, Speech, & Signal Processing, Dallas Texas, April 1987.