Faculty Member
Timken Foundation Center for Precision Manufacturing

Contact Information

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Examples of Professional/Workforce Training Experience to Local Industry

- Developed curriculum and taught a customized CNC programming course for the operators of a local steel company
- Developed curriculum and teach customized CNC programming courses for Tool and Die Apprentices for a local company that has the largest apprenticeship program in Ohio
- Taught basic Fanuc robot operation and programming course to operators of a local company
- Developed curriculum and teach customized courses to educate engineers and technicians on PLC and HMI programming platforms

Technical Background and Specializations

- Professional Engineer with 36 years of experience serving the manufacturing industry as a designer, manufacturing engineer, automation specialist, educator, and curriculum designer.
- CNC programming including traditional G-code, macros, CAM, 3 and 5 axis machining
- Fanuc robot programming including teach pendant and vision programming
- PLC and HMI programming including Ethernet/IP devices and networks

Technical Competencies

- CNC Programming: G-code, Macros, Mastercam, Vericut, Fanuc & Haas Controls, 3 and 5 axis machining
- Robot Programming: Fanuc R-J3, R- J3iB, R-30iA and R-30iB industrial robot controls and vision systems
- PLC Programming: Allen-Bradley (RSLogix 500 & Studio 5000 Logix Designer), Siemens (TIA Portal), Mitsubishi (GX Works 3) GE (LM90) and Omron (CX-Programmer).
- HMI Programming: Allen-Bradley (FactoryTalk View Studio), EZTouch, and C-More.