

UWM Advanced Manufacturing Capabilities

Faculty Areas of Expertise

Nidal Abu-Zahra nidal@uwm.edu	Materials Engineering, Advanced Polymer Composites & Processing, Materials for Water Filtration, Polymer Technology for Solar Cells
Ilya Avdeev avdeev@uwm.edu	Reduced Model Design, Entrepreneurship, AI, Digital Twin Technologies
Ben Church church@uwm.edu	Materials for energy storage, Novel Processing of metals, ceramics and composites, Physical Metallurgy
Jaejin Jang jang@uwm.edu	Manufacturing Enterprise Systems, Logistics in Supply Chain and MES
Wilkistar Otieno otieno@uwm.edu	Advanced Manufacturing, Sustainable Manufacturing (Remanufacturing), Reliability Engineering, Data Analytics
Habib Rahman rahmannh@uwm.edu	Automation and Robotics with respect to automation
Pradeep Rohatgi prohatgi@uwm.edu	Processing, manufacturing, and characterization of advanced materials
Hamid Seifoddini seifoddi@uwm.edu	Advanced Manufacturing, Lean Six Sigma Manufacturing, Reliability Engineering
Jun Zhang junzhang@uwm.edu	Machine Learning with applications to Asset Management

The **Connected Systems Institute (CSI)** is a center of excellence at UWM that develops manufacturing domain specialists through education, state-of-the-art lab facilities and collaborative research opportunities. **Kaushal Chari** Interim Executive Director Dean-Chari@uwm.edu



Areas of focus include:

- Accelerating innovation by bringing together industry and academic researchers
- Facilitating digital transformation for small and medium-sized manufacturers
- Developing an educational curriculum to better prepare the workforce of the future

The **Advanced Analysis Facility (AAF)** is a user-based research instrumentation facility within the College of Engineering & Applied Science that provides an alternative to private analysis laboratories and fosters collaboration with students and faculty. **Ben Church**, Director uwm-aaf@uwm.edu

To partner with the College of Engineering & Applied Science, contact:

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