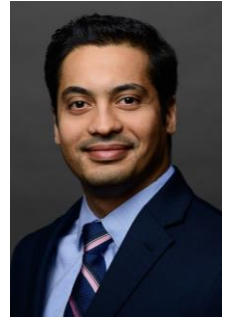


## Electrical and Computer Engineering Applications in Welding

**Tuesday, October 29, 2024**  
**2:00 pm – 3:00 pm**  
**Olin 202**

Reception to follow in Olin 204  
3:00 pm – 3:30 pm



### Miller Electric Mfg. LLC Team

**ABSTRACT:** Since 1929, we have worked to meet the ever-evolving demands of welders around the globe with technology and innovations of welding solutions. Our commitment to welders has established us as a leader in quality, reliability and safety. The talent and dedication of our people is the real driving force behind the Power of Blue®. They continue to create technological innovations, develop more efficient processes and constantly strive to make our communities better. Our engineering team consists of multiple disciplines including electrical, power electronics, and computer engineering. In this presentation we will introduce you to Miller Electric, welding and weld processes, and some of our technologies including ArcReach Smart Feeder.

#### **BIOGRAPHY:**

Chuck Romenesko, Engineering Director – Software & Hardware Platforms

Brian Ott, Engineering Manager – Industrial Equipment & Automation Division

Sina Vahid, Ph.D., Senior Power Electronics Engineer – Industrial Equipment & Automation Division

- Dissertation: “Multi-Port Power Converters For Hybrid Energy System Applications”  
Marquette University, 2023

Waqar Khan, Ph.D., Senior Power Electronics Engineer – Industrial Equipment & Automation Division

- Dissertation: “Design and Advanced Model Predictive Control of Wide Bandgap Based Power Converters”  
Marquette University, 2023