

**Workshop on Smart Factories:  
Revolutionizing Manufacturing through Industry 4.0**  
Thursday, October 18, 2018

AGENDA

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|------------------|--|
| 9:00 – 9:15 am   | Welcome and overview of workshop and Industry 4.0  |
| 9:15 – 10:15 am  | Project presentations <ul style="list-style-type: none"><li>• Machine learning for the monitoring and optimal control of smart factories (Se Young (Pablo) Yoon, UNH, Electrical and Computer Engineering, and Marek Petrik, UNH, Computer Science)</li><li>• M-UBER: Distributed machining operations in a smart factory (Noel Greis, UNC Chapel Hill, Operations, and Tony Schmitz, UNC Charlotte, Mechanical Engineering and Engineering Science)</li><li>• Emerging IIoT communications and connectivity architectures with deterministic control (Bob Noseworthy, UNH, InterOperability Lab, IOL, and Nicholas Kirsch, UNH, Electrical and Computer Engineering,)</li><li>• Chatter avoidance in machining (Tony Schmitz and Joshua Tarbutton, UNC Charlotte, Mechanical Engineering and Engineering Science)</li><li>• Sequential robotic task learning from demonstrations (Momotaz Begum, UNH, Computer Science)</li><li>• Acoustic sensor to monitor forming process (Brad Kinsey, UNH, Mechanical Engineering and Nicholas Kirsch, UNH, Electrical and Computer Engineering)</li></ul> |
| 10:15 – 10:30 am | Discussion of presented projects   |
| 10:30 – 10:45 am | Break  |
| 10:45 – 11:15 am | Small table breakouts to discuss possible industrial projects of interest  |
| 11:15 – 11:45 am | Large group discussion of possible projects  |
| 11:45 – 12:00 pm | Next steps, in particular a proposal to NSF for an Industry/University Cooperative Research Center on Industrial Internet of Things (CIIT)   |
| 12:00 - 1:00 pm  | Lunch  |
| 1:00 – 1:15 pm   | Transition to UNH InterOperability Laboratory (IOL)  |
| 1:15 – 2:30 pm   | Tour of the IOL  |
| 2:30 – 3:00 pm   | Transition to UNH John Olson Advanced Manufacturing Center   |
| 3:00 – 4:00 pm   | Tour of the Olson Center   |
| 4:00 pm          | Adjourn  |