



NSF Engineering Research Center for Reconfigurable  
Manufacturing Systems (ERC/RMS)



**ERC Manufacturing Information and Control  
TAC meeting  
Thursday, Jan. 14, 2009**

## Meeting Agenda

- 8:00 Arrival, parking, coffee (in 1100 Dow, ERC Testbed Area)
- 8:30 Reconfigurable Factory Testbed (RFT) Demonstration:  
Real-Virtual swap and validation (W. Harrison)
- 8:50 Wireless Network Demonstration:  
Data capture, Auto Report Generation, Simulation Environment  
(D. Anand)
- 9:10 Walk to Pierpont Commons
- 9:20 Thrust Area 2: Manufacturing Information and Control  
Overview and Meeting Objectives (D. Tilbury)
- 9:30 Wireless Network Analysis and Testing (D. Anand)
- 9:50 Towards Factory-wide Time Synchronization for Diagnostics,  
Control and Safety (J. Moyne)
- 10:05 Virtual Fusion: Integrating Virtual Systems into Manufacturing  
(W. Harrison)
- 10:30 Break
- 10:50 Reducing Unscheduled Downtime using Automated Event-Based  
Control (D. Linz and D. Sharma)
- 11:20 Fault Diagnosis without Formal Models for Large-Scale  
Manufacturing Systems (L. Allen)
- 11:50 Wrap-up
- 12:00 Lunch (optional)