

## Materials Science Gathering

Saturday, January 27, 2007

### Program sponsored by:

*UW Eau Claire Material Science Center*

*UW System Office of Federal Relations*

*WiSys Technology Foundation*

*Whyte Hirschboeck Dudek S.C.*

## AGENDA

- 8:30 a.m. Continental Breakfast/Check In
- 8:45 a.m. Welcome  
Dr. Steve Tallant, Interim Provost, University of Wisconsin Eau Claire  
Doug Dunham, Director of UW Eau Claire Material Science Center and Assistant Professor of Physics
- 8:55 a.m. Participant Self-Introductions, including research interests and possible areas for collaboration.
- 10:00 a.m. Collaborative Opportunities with the UWEC Materials Science Center  
Doug Dunham, Director of the UWEC Materials Science Center
- 10:35 a.m. Break
- 10:45 a.m. Presentations:
- Jon McCarthy, Marketing Director, UW-Madison's Advanced Materials Industrial Consortium  
"UW-Madison's Advanced Materials Industrial Consortium for the Midwest Region"
- Justin Peskar, Phillips Plastics Technology Center  
"Composite Buoyant Particles for Protein Separation"
- Theodore Wegner, Assistant Director, USDA Forest Service, Forest Products Laboratory  
"Nanotechnology for the Forest Products Industry"
- 11:45 a.m. Lunch/Networking

- 12:45 p.m. Presentations:
- Charles Gibson, Professor and Chair, Dept. of Chemistry, UW Oshkosh  
“Nanoparticle Research at UW-Oshkosh: Practical Ways to make Useful Materials”
- Marc McEllistrem, Associate Professor of Chemistry, UW-Eau Claire  
“Materials science meets biochemistry: metal oxidation state in methanobactin”
- Mike Zach, Assistant Professor of Chemistry, Department of Chemistry, University of Wisconsin-Stevens Point  
“Deposition of nanomaterials for devices and fundamental research in shape control”
- Marlann Marinho Patterson, Assistant Professor of Physics, UW Platteville  
“Preliminary Investigations into FePt Nanocluster Gas Phase Aggregation with *in situ* Annealing”
- Rajiv Asthana, Associate Professor, College of Technology, Engineering and Management, UW-Stout  
"Joining of Advanced Ceramic Composites to High Temperature Alloys"
- Hisham Abdel-Aal, Assistant Professor, Dept. of General Engineering, UW Platteville  
“Targeted thermal property mapping of protective layers for carbide inserts used in machining hard-to-cut aero-alloys”
- 2:15 p.m. Guided tours of Material Science Center
- 3:00 p.m. IP Opportunities  
Jonathan Fritz, Patent Attorney, Whyte Hirschboeck Dudek, S.C.
- 3:10 p.m. Funding Opportunities  
Maliyakal John, Managing Director, WiSys Technology Foundation
- 3:20 p.m. Closing comments:  
Kristine Andrews, UW System Office of Federal Relations
- 3:30 p.m. Additional Networking