



Center for Intelligent Maintenance Systems
Industrial Advisory Board Meeting 7
May 3, 4, 2004 (Ann Arbor)



9100 N. Swan Road, Milwaukee, WI 53224

Phone: 414-229-3106

Fax: 414-229-3107

www.imscenter.net

LOCATION	Four Points Sheraton Ann Arbor, 3200 Boardwalk, Ann Arbor, MI 48108 Tel: (734) 996-0600 Fax: (734) 996-5898 www.sheratonannarbor.com
REGISTER	Visit http://www.imscenter.net and register online (or use fax/mail form)
Sleeping Rooms	Block of rooms is reserved for "IMS IAB Meeting," at US\$89.00/night + tax
Amenities	Free hotel shuttle (call hotel to schedule), free high-speed internet access
Questions	Contact Ms. Melanie Panyard at (734) 763-5299 or melp@umich.edu

Sunday, May 2	
4:00pm	New to IAB or IMS? Attend this <i>New Member/Guest Orientation Session</i>
6:00pm	Dinner (pay your own way) – location to be determined

Monday, May 3	
7:30	Registration and Breakfast
8:00	Directors' Welcome – <i>Professors Jun Ni and Jay Lee, IMS Co-directors</i>
8:10	Remarks by the I/UCRC Program Director Alex Schwarzkopf
8:15	Introduction of Attendees and Staff
8:25	IAB Chairman's Address
8:30	Watchdog Agent™ <ul style="list-style-type: none"> • Progress with the Watchdog Agent Development – <i>Dragan Djurdjanovic</i> • Project #1: Fuzzy Possibilistic c-Means Clustering (FPCM) for Robust Prognostics – <i>Jihong Yan</i> • Tools for Sensor Performance Assessment – <i>Li Jiang</i> • Project #2: Improvement of Match Matrix/ARMA Prediction Method – <i>Jianbo Liu</i> • Project #3: Watchdog Toolbox: Modularization of Multisensor Performance Assessment Tools – <i>Katie Johnson</i>
9:45	Break
10:00	Watchdog Agent™ <ul style="list-style-type: none"> • Selection Matrix for Watchdog Toolbox – <i>Dragan Djurdjanovic</i> • Embedded Watchdog Agent™ for Industrial Automation Systems – <i>Yong Lei</i> • Project #4: Roller Bearing Prognostics Testbed with Rexnord – <i>Hai Qiu</i> • Summary of Accomplishments and Future Work – <i>Dragan Djurdjanovic</i>
11:00	Device-to-Business : D2B™ <ul style="list-style-type: none"> • Device-to-Business Development Introduction and Overview – <i>Hai Qiu</i> • Project #5: Models & Standards of e-Maintenance Systems – <i>Zaifeng Chen</i>
11:30	Decision Support Tools <ul style="list-style-type: none"> • Improving the Cost Function, Making Multiple Maintenance Decisions – <i>Max Yang</i>
12:00	Lunch – The I/UCRC Program: Celebrating 30 Years of Success
1:30	Testbeds <ul style="list-style-type: none"> • Project #6: DaimlerChrysler Testbed Project – <i>Emily Kloehn</i> • Project #7: Harley-Davidson Testbed Project – <i>Ramzi AbuJamra</i>
2:00	Poster and Demonstration Session
5:00	Reception (cash bar)
5:30	Dinner – <i>Bill Miller, ETAS</i>

Tuesday, May 4			
7:30	Breakfast		
8:00	International Collaboration <ul style="list-style-type: none"> • PROMISE Initiative – <i>Dr. Kiritsis (EPFL) and Dr. Chand (Rockwell Automation)</i> • Integrated Asset Engineering & Management – <i>Queensland U. of Technology</i> • Embedded Watchdog/Life Cycle Unit – <i>TIE grant with Technical U. of Berlin</i> 		
8:45	New Member Presentation – <i>Omron Corporation (Japan)</i>		
9:00	Response to Project Evaluations (LIFE) – <i>Research Staff</i>		
10:00	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Closed Door Session – <i>members only</i></p> <ul style="list-style-type: none"> • Explanation of Project Selection/Voting • Review of projects eligible for funding • IAB Chairman-directed open discussion • Voting - <i>Break</i> • Approval of IAB 6 Minutes • Appointments (IAB Chair, EAC, FAS) • Financial/Operational Report • Mentoring Program • Announcing unofficial voting results • Scheduling IAB 8 in Milwaukee </td> <td style="width: 50%; vertical-align: top;"> <p><i>Non-member Session for Guests</i></p> <p>All guests are encouraged to join this special session led by IMS Lead Researchers Dr. Dragan Djurdjanovic and Dr. Hai Qiu.</p> <p><u><i>Topics</i></u></p> <ul style="list-style-type: none"> • Non-member Research Interests • Laboratory Tour • PHM Roundtable </td> </tr> </table>	<p>Closed Door Session – <i>members only</i></p> <ul style="list-style-type: none"> • Explanation of Project Selection/Voting • Review of projects eligible for funding • IAB Chairman-directed open discussion • Voting - <i>Break</i> • Approval of IAB 6 Minutes • Appointments (IAB Chair, EAC, FAS) • Financial/Operational Report • Mentoring Program • Announcing unofficial voting results • Scheduling IAB 8 in Milwaukee 	<p><i>Non-member Session for Guests</i></p> <p>All guests are encouraged to join this special session led by IMS Lead Researchers Dr. Dragan Djurdjanovic and Dr. Hai Qiu.</p> <p><u><i>Topics</i></u></p> <ul style="list-style-type: none"> • Non-member Research Interests • Laboratory Tour • PHM Roundtable
<p>Closed Door Session – <i>members only</i></p> <ul style="list-style-type: none"> • Explanation of Project Selection/Voting • Review of projects eligible for funding • IAB Chairman-directed open discussion • Voting - <i>Break</i> • Approval of IAB 6 Minutes • Appointments (IAB Chair, EAC, FAS) • Financial/Operational Report • Mentoring Program • Announcing unofficial voting results • Scheduling IAB 8 in Milwaukee 	<p><i>Non-member Session for Guests</i></p> <p>All guests are encouraged to join this special session led by IMS Lead Researchers Dr. Dragan Djurdjanovic and Dr. Hai Qiu.</p> <p><u><i>Topics</i></u></p> <ul style="list-style-type: none"> • Non-member Research Interests • Laboratory Tour • PHM Roundtable 		
12:00	Lunch and networking time (boxed lunches)		
1:30	Adjourn		

REMINDER

All Guests (non-members) will be asked to sign an agreement during registration.