

**IAB 5 – AGENDA AT A GLANCE**  
**April 30 and May 1, 2003 at University of Michigan – Ann Arbor**  
**H.H. Dow Building, North Campus**

**Wednesday – April 30, 2003**

<b>7:45 am</b>	<b>Registration and Continental Breakfast</b>
<b>8:15 am</b>	<b>Welcome</b> Dean Stephen Director, University of Michigan, College of Engineering Dean William Gregory, U. of Wisconsin – Milwaukee, College of Engineering
<b>8:30 am</b>	<b>IMS Industrial Member Introductions</b> – get to know the IMS Membership in attendance
<b>8:40 am</b>	<b>IMS Update and Briefing</b> Prof. Jun Ni and Prof. Jay Lee
<b>9:00 am</b>	<b>National Science Foundation Address</b> – Alex Schwarzkopf, NSF Program Director, Industry/University Cooperative Research Centers
<b>TECHNICAL SESSIONS</b> <i>Evaluation (LIFE) forms (located in binder) will be collected after the poster session at the end of the day.</i>	
<b>9:15 am</b>	<b>Watchdog Agent™ Tool Box Development</b> <i>(LIFE Evaluation Required)</i> - Overview – Watchdog Algorithm Development – Dr. D. Djurdjanovic - Enhanced Logistic Regression Based Prognostic Algorithm and Its Application – Dr. J. Yan - Development of Watchdog Agent™ for Control Systems - Dr. G. Tong - Time-Frequency Based Performance Assessment Module - Dr. Djurdjanovic / Jianbo Liu - Performance Forecasting – Lei Zhang - Performance Assessment Module Selection and Integration – Dr. Djurdjanovic / Lei Zhang
<b>10:15 am</b>	<b>15-Minute Break (Refreshments will be provided in 1006 HH Dow)</b>
<b>10:30 am</b>	<b>System Level Maintenance Decision Support Tools</b> <i>(LIFE Evaluation Required)</i> Prof. Julie Ivy, Max Yang Other members: Jing Zhou, Dr. Rhett Mayor, Dr. Dragan Djurdjanovic
<b>11:00 am</b>	<b>Device-to-Business (D2B)™ Platform Development</b> <i>(LIFE Evaluation Required)</i> Dr. Hai Qiu Other members: Dr. Zaifeng Chen, Heng Zhou
<b>11:15 am</b>	<b>Evaluation of Wireless Technologies in Industrial Environments</b> <i>(LIFE Evaluation Required)</i> Dr. Gang Yu Other member: Kei Hao
<b>11:30 am</b>	<b>Embedded Watchdog Agents™ for Network Automation Systems</b> <i>(LIFE Evaluation Required)</i> Yong Lei Other members: Dr. Rhett Mayor, Dr. Dragan Djurdjanovic
<b>11:45 pm</b>	<b>Case Study – Prognostics for a Material Handling System</b> Daniel Guido Morris Walker, United States Postal Service
<b>12:00 pm</b>	<b>Lunch – Lurie Engineering Center – Johnson Room</b>

<b>SPECIAL AND POSTER SESSIONS</b>	
<b>1:00 pm</b>	<b>Proposed Project – Development of an Integrated Platform for IMS Tools</b> Dr. Dragan Djurdjanovic <span style="float: right;"><i>(LIFE Evaluation Required)</i></span> Brad Baker, National Instruments
<b>1:15 pm</b>	<b>Potential Project – Holospectrum and Holobalancing</b> Dr. Hai Qiu Randy Bredin, We Energies
<b>1:30 pm</b>	<b>Poster Session and Testbed Demonstrations</b> Each current IMS project will be presented on a poster, staffed by a research team member. Session includes demonstrations and opportunity to ask technical follow-up questions. Also featuring potential projects and special IMS collaborations.
<b>3:00 pm</b>	<b>Refreshments will be available in 1006 HH Dow</b>
<b>3:30 pm</b>	<b>Discussion of Current and Proposed Research Projects – <i>LIFE</i> evaluation forms collected</b>
<b>4:30 pm</b>	<b>Highlighting IMS/Member Collaborative Development Projects</b> <ul style="list-style-type: none"> <li>• <b>Application of Qestra Smart Service in IMS Elevator Door Testbed</b> John Canosa, Qestra Corporation</li> <li>• <b>Web-Enabled CNC Monitoring System</b> Kevin Nguyen, Global Cybersoft</li> </ul>
<b>5:00 pm</b>	<b>Adjourn</b>
<b>5:30 pm</b>	<b>Reception and Dinner at the Michigan League (Vandenberg Room)</b> <i>Shuttle Service Available</i>
<b>7:00 pm</b>	<b>Dinner Speaker – “Mapping the Road to a Safer and Secure Future”</b> Bruce Radloff, Chief Technology Officer, OnStar, a General Motors subsidiary

### Thursday – May 1, 2003

<b>8:00 am</b>	<b>Continental Breakfast</b>
<b>8:15 am</b>	<b>Closed Door IAB Meeting (all IAB Members and Invited Prospective Members)</b> Summary of LIFE evaluation highlighting key feedback Voting on Current and Proposed Research
<b>9:20 am</b>	<b>New Member Presentations – Nobuhiro Isobe, Hitachi</b>
<b>10:00 am</b>	<b>15-minute break - (Refreshments will be provided in 1006 HH Dow)</b>
<b>10:15 am</b>	<b>Funding Opportunity – Commercial Technology for Maintenance Activities (CTMA)</b> Tony Haynes, Program Manager, National Center for Mfg. Sciences
<b>10:30 am</b>	<b>Closed Door IAB Meeting continues</b> Executive Board, Operational overview, Choose potential dates for IAB 6 (Milw.)
<b>12:00 pm</b>	<b>Adjourn – boxed lunches will be available</b>
<b>12 – 2 pm</b>	(Opportunity for individual meetings with Jay Lee and Jun Ni)