

2011 MSEC/NAMRC/ICMP Schedule

June 13-17, 2011

Corvallis, Oregon

| Monday, June 13, 2011 | | |
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| Time | Activity | Location |
| 800-1930 | Workshop and Conference Registration | CH2M HILL Alumni Center Foyer |
| 800-1530 | NAMRI/SME Board Meeting | CH2M HILL Alumni Center Boardroom |
| 1300-1630 | <p>Workshop 1- Sustainable Nano Manufacturing Workshop <i>-Greg Herman, Oregon State University</i> <i>-Chih-hung Chang, Oregon State University</i></p> <p>Topic: The development of nanomanufacturing practices that minimize risk to environmental ecosystems and human health while also promoting economic growth are at the forefront of the next generation of international manufacturing technologies. This workshop provides an overview of nanomanufacturing technologies and the integration of sustainable processes with the initial focus on nanomaterials synthesis and their incorporation in renewable energy</p> | 1-Willamette Room, CH2M HILL Alumni Center |
| 900-1600 | <p>Workshop 2- Smart Materials and Related Technologies- JSME Organized Workshop <i>-Hiroshi Asanuma, Chiba University</i> <i>-Yasubumi Furuya, Hirosaki University</i> <i>-Satoshi Kishimoto, National Institute for Materials Science (NIMS)</i> <i>-Wataru Nakao, Yokohama National University</i></p> <p>Topic: Discussion and exploration on Smart/Intelligent Materials and Structural Systems including some new directions such as development of Smart Mechanical Material Systems, applications to Manufacturing and Processing fields, and so on. The organizers hope that you will understand what smart materials are, will be able to imagine your own smart materials, and might be changed by attending this workshop!</p> | 5-Construction &Engineering Hall, LSC |
| 1600-1800 | OSU Tours | Shuttles will leave from the CH2M HILL Alumni Center at 1600 Tour Sites: Hinsdale Wave Lab, SAE Racing Headquarters |
| 1730-1930 | Welcome Reception | CH2M HILL Alumni Center |

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| Tuesday, June 14, 2011 | | |
|------------------------|---|-----------------------------------|
| Time | Activity | Location |
| 730-1800 | Conference Registration | Foyer, CH2M HILL Alumni Center |
| 730-800 | Continental Breakfast | Foyer, CH2M HILL Alumni Center |
| 730-1600 | Speaker Preparation Room | Lounge, CH2M HILL Alumni Center |
| 800-815 | Welcome <i>Brian Paul, Mechanical, Industrial & Manufacturing Engineering, Oregon State University</i> <i>Sabah Randhawa, Provost and Executive Vice President, Oregon State University</i> | Ballroom, CH2M HILL Alumni Center |
| 815-900 | Keynote Speaker <i>Chandra Brown, Vice President, Oregon Iron Works;</i> <i>President, United Streetcar LLC</i> Topic: The Creation of New Manufacturing Industries | CH2M HILL Alumni Center Ballroom |
| 900-1015 | Panel 1 – Sustainable Manufacturing Organizers <i>-Matt Carter, Senior Principal Engineer, BR&T (Boeing Research and Technology)</i> <i>-Betsy Lenger, Senior Engineer, BR&T (Boeing Research and Technology)</i> Presenters <i>-Paul J. Wright, Enterprise Engineering Design for Environment Leader, Boeing</i> <i>-Sandra Carter, Environmental Engineering Manager, Daimler Trucks North America</i> <i>-Ryan Pennington, Environmental Technician and Green Team Facilitator, Freightliner Custom Chassis Corporation</i> <i>- Guodong Shao is a computer scientist in the Manufacturing System Integration Division at The National Institute of Standards and Technology (NIST)</i> | CH2M HILL Alumni Center Ballroom |

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| 1015-1030 | Break | |
| 1030-1200 | ASME/MED EC Meeting | Parrish Boardroom, Alumni Center |
| 1030-1200 | 9 Concurrent Technical Sessions (1-38) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1200-1300 | Lunch – Keynote Speaker <i>Jake Nichol, President/CEO Leatherman Tool Group</i> Topic: Manufacturing: The Sweet Smell of Cutting Oil | Ballroom, CH2M HILL Alumni Center |
| 1300-1430 | Panel 2 -Manufacturing Research Toward Sustainable Transportation Organizers <i>-Umesh Gandhi, Toyota Research North America -Wayne Cai, Global R&D, GM -Jeonghan Ko, University of Nebraska, Lincoln</i> Presenters <i>-Dr. Jeff Abell, Group Manager of Advanced Propulsion Manufacturing Process Research Group, GM R&D -Dr. David A. Glasscock, Global Automotive Technology Director, DuPont -Dr. S. Jack Hu, Professor of Mechanical Engineering and Industrial and Operations Engineering, The University of Michigan, Ann Arbor -Dr. Wei Zhang, Oakridge National Laboratory</i> | Ballroom, CH2M HILL Alumni Center |
| 1300-1430 | 9 Concurrent Technical Sessions (39-71) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1430-1445 | Break | |
| 1445-1615 | 9 Concurrent Technical Sessions (72-102) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1615-1700 | ASME/MED Membership Meeting | 5-Construction & Engineering Hall, LSC |
| 1700-1745 | NAMRI/SME Membership Meeting | 5-Construction & Engineering Hall, LSC |
| 1615-1815 | Early Career Forum Organizers <i>-Yong Huang, Clemson (ASME)</i> | 1-Willamette Room, Alumni Center |

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| 1800 | TYEE Wine Cellars Dinner | Shuttles will leave the Alumni Center at 1800, 1815, and 1830 |
| 2115 | | Shuttles will leave Tye at 2115, 2130, 2145 and drop you off at your hotel |
| Wednesday, June 15, 2011 | | |
| Time | Activity | Location |
| 730-1700 | Conference Registration | Foyer, CH2M HILL Alumni Center |
| 730-800 | Continental Breakfast | Foyer, CH2M HILL Alumni Center |
| 800-845 | Keynote Speaker <i>Bryan Dods, Executive, Manufacturing Technology Leader, GE Energy</i> Topic: Energy Innovation Enabled by Manufacturing | Ballroom, CH2M HILL Alumni Center |
| 845-1015 | Panel 3 – 21st Century Manufacturing Paradigms Organizers <i>-Barry Rahimian, Business Consultant</i> Presenters <i>-Don Carkner, Principal Technologist Industrial and Advanced Technology, CH2M HILL</i> <i>-Bikash Chatterjee, President and Chief Technology Officer, Pharmatech Associates, Inc.</i> <i>-Michael O’Halloran, Director of Technology I&AT, CH2M HILL</i> | Ballroom, CH2M HILL Alumni Center |
| 1015-1030 | Break | |
| 1030-1200 | 9 Concurrent Technical Sessions (104-137) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1200-1315 | Lunch – NAMRI/SME Founders Lecture | Ballroom, CH2M HILL Alumni Center |
| 1315-1445 | 9 Concurrent Technical Sessions (138-169) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1400-1600 | Poster Session (600-620) | Giustina Gallery, LaSells Stewart Center |
| 1445-1500 | Break | |
| 1500-1630 | 9 Concurrent Technical Sessions (170-201) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1630-1900 | Microproducts Breakthrough Institute Tours and Reception | Shuttles will leave Alumni Center at 1630, 1645, 1700 |
| 1900-2200 | Awards Banquet following the reception at the Microproducts | Shuttles will leave Microproducts Breakthrough Institute at the |

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| | Breakthrough Institute | conclusion of the banquet |
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| Thursday, June 16, 2011 | | |
| Time | Activity | Location |
| 730-1700 | Registration | Foyer, CH2M HILL Alumni Center |
| 730-800 | Continental Breakfast | Foyer, CH2M HILL Alumni Center |
| 800-845 | <p>Keynote Speaker <i>Dr. Yasushi Fukuzawa</i> <i>Professor, Department of Mechanical Engineering</i> <i>Nagaoka University of Technology, Japan</i></p> <p>Topic: Electrical Discharge Researches and New Technologies in Japan</p> | Ballroom, CH2M HILL Alumni Center |
| 855-1015 | <p>Panel 4 – “Quo Vadimus”: Manufacturing Education for US Competitiveness in the 21st Century</p> <p>Organizer -<i>Ajay Malshe, University of Arkansas</i></p> <p>Presenters -<i>Wei Bin, GE Global Research</i> -<i>Yoram Koren, University of Michigan</i> -<i>Kamalkar Rajurkar, University of Nebraska-Lincoln</i></p> | 8 - Agriculture Science. LSC |
| 855-1015 | <p>Panel 5 – Case Studies in Lean Manufacturing</p> <p>Organizers -<i>John Parmigiani, Research Assistant Professor in the School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University</i> -<i>Toni Doolen, Associate Professor, School of Mechanical, Industrial, and Manufacturing Engineering and an Associate Dean of the University Honors College, Oregon State University</i></p> <p>Presenters -<i>Kyle Stavig, Myers Container</i> -<i>Scott Simmons, Climax Portable Machine Tools</i> -<i>Jesse Thetford, The Boeing Company</i></p> | 3 - Burlingham/Elle, Alumni Center |

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| 900-1015 | 5 Concurrent Technical Sessions (202-216) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1015-1030 | Break | |
| 1030-1200 | 9 Concurrent Technical Sessions (217-252) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1200-1315 | Lunch - Keynote Speaker <i>Dr. Yasubumi Furuya</i> <i>Professor, Department of Intelligent Machines and System Engineering Hirosaki University, Japan</i> Topic: Recent Work on Smart Materials Technology for Magnetostrictive Torque Sensor in Automobile Application | Ballroom, CH2M HILL Alumni Center |
| 1315-1445 | 9 Concurrent Technical Sessions (253-282) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1445-1500 | Break | |
| 1500-1630 | 9 Concurrent Technical Sessions (283-316) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1630-1830 | OSU Tours | Shuttles will leave from the CH2M HILL Alumni Center at 1630 Tour Sites: Hinsdale Wave Lab, SAE Racing Headquarters |
| 1800-1930 | COMEC Meeting: Educating Manufacturing Engineers for 2020 | 1 - Willamette Room, Alumni Center |
| Friday, June 17, 2011 | | |
| Time | Activity | Location |
| 730-1400 | Conference Registration | Foyer, CH2M HILL Alumni Center |
| 730-800 | Continental Breakfast | Foyer, CH2M HILL Alumni Center |
| 800-930 | 6 Concurrent Technical Sessions (317-335) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 930-945 | Break | |
| 945-1115 | 4 Concurrent Technical Sessions (336-349) | Alumni Center/LaSells Stewart Center (See Technical Program) |
| 1130-1245 | Closing Lunch | Ballroom, CH2M HILL Alumni Center |
| 1300-1530 | Hewlett Packard Tours <i>(Pre-registration required, space limited)</i> | Shuttle will depart the Alumni Center at 1300 Hewlett Packard Campus |