OFFICIAL CALL FOR PAPERS

CONNECT, COLLABORATE & CELEBRATE YOUR RESEARCH!
Share your manufacturing innovations with the co-located events of THE BIG M!

The University of Michigan – Ann Arbor is pleased to host the 42nd North American Manufacturing Research Conference, ASME’s Manufacturing Science and Engineering Conference and JSME’s International Conference on Materials and Processing, June 9-13, 2014, co-located to be the premier international forum on manufacturing research.

Put the spotlight on your research and future innovations for manufacturing through this unique forum of industry and peer-to-peer collaboration. The conference schedule will include keynotes, expert panels, student posters and presentation competitions, an exhibition of industry partners, an early-career forum, University of Michigan lab tour, industry tours, an awards banquet, luncheons — not to mention being side by side with THE BIG M Event and all of its activities.

PAPERS DUE: NOVEMBER 1, 2013

PURPOSE & SCOPE
The highly interactive format of THE BIG M encourages the exploration of collaborative research and technology transfer and promotes professional networking — everything NAMRC has come to stand for. Papers reporting original and the latest basic and applied research in manufacturing processes and systems are sought. Research topics highlighted by NAMRC42 include, but are not limited to:

- Advanced manufacturing enterprise
- Biomedical manufacturing
- Sustainable manufacturing
- Nano and micromanufacturing
- Additive manufacturing
- Manufacturing of renewable energy devices, electric vehicles, roll-to-roll processing
- Wireless sensors and sensor networks for manufacturing
- Hybrid manufacturing processes
- Laser-based processes
- Digital manufacturing and design
- Quality and reliability
- Modeling and simulation of complex manufacturing systems
- Product life cycle management
- Human factors and man-machine interactions in manufacturing
- Computer-aided manufacturing and robotics
- Dimensional and surface metrology
- Part surface integrity
- Intelligent machines
- Lightweight metals manufacturing
- Dynamics and control of high-precision machine tools and structures
- Mechanics, tribology and technology of conventional and non-traditional material removal processes
- Mechanics, tribology, and technology of material forming, powder consolidation, casting, joining and polymer and composites processing

Journal-quality papers will be considered for possible fast-track publication in SME’s SCI-indexed Journal of Manufacturing Systems (JMS) or Journal of Manufacturing Processes (JMP). In 2013, seven papers were invited for publication in JMS, and 19 for publication in JMP.

Visit www.sme.org/namrc for updates and details about deadlines, paper submission guidelines and other exciting opportunities to participate at NAMRC42.

For conference information, please visit namrc-msec-icmp-2014.engin.umich.edu

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