

— **Call for Papers** —
A Symposium on

Mechatronics for Advanced Manufacturing

Sponsored by the ASME Manufacturing Engineering Division's
Manufacturing Equipment and Manufacturing Systems Technical Committees
2014 ASME Manufacturing Science and Engineering Conference (MSEC)*
June 9-13, 2014
University of Michigan

Technical Focus

Technological and economic needs have driven the development of advanced mechatronic capabilities for manufacturing systems and have resulted in more precise, efficient and capable manufacturing at an ever more affordable price point. This symposium will provide an opportunity to present theoretical and applied contributions to mechatronics in advanced manufacturing machines, systems and processes. While this symposium is focused on mechatronics for manufacturing, advancements in mechatronics in related applications ranging from the automotive industry to the medical field are welcome. As such, topics of interest for the symposium include but are not limited to:

- Design, modeling and control of precision mechatronic systems.
- Intelligent/smart manufacturing systems.
- Advances in sensors, actuators, processors and positioning systems.
- Innovative use of mechatronics in manufacturing applications.
- Emerging applications for manufacturing systems with advanced mechatronics: additive manufacturing, semi-conductor processing, medical device manufacturing, nanomanufacturing.

Paper Submission

Authors are encouraged to submit an abstract and full manuscript for review by **November 03, 2013** via the conference website. Final revised manuscripts must be submitted by **March 09, 2014**. The copyright transfer form must be filled out and the presenting author must pre-register by April 06, 2014 or the paper will be withdrawn from the conference. Authors may also consult www.asme.org/divisions/med/call/ for updates. *No papers are to be submitted to the organizers; submissions will only be accepted via the conference website at www.asmeconferences.org/msec2014/.*

Organizers

Dr. Kira Barton, Univ. of Michigan, Ann Arbor, MI, USA, Ph: 734-764-7293, bartonkl@umich.edu

Dr. Chinedum Okwudire, Univ. of Michigan, Ann Arbor, MI, USA, Ph: 734-647-1531,
okwudire@umich.edu

Dr. Stephen Ludwick, Aerotech, Inc., Pittsburgh, PA, Ph: 412-967-6845, sludwick@aerotech.com

* The conference is collocated with the 42nd North American Manufacturing Research Conference (NAMRC42) of SME and the International Conference on Materials and Processing (ICM&P 2014) of JSME which will have a separate call-for-papers.