



A National Symposium and
National Academy of Engineering Regional Meeting:

Engineering to Improve the Operations of Manufacturing Enterprises

**University of Michigan, Ann Arbor, MI
May 13, 2010**

Manufacturing a wide range of products remains vital to the US economy, but many challenges exist for US manufacturers in the global marketplace. This Symposium will convene more than 30 distinguished authorities from government, industry and academia as speakers and panelists to address these challenges. The Symposium will focus on using and improving modeling and simulation methods to ensure that operations within an enterprise:

- **produce products of high value and adapt readily to market shifts;**
- **meet occupational health and emerging environmental and sustainability requirements;**
- **and develop manufacturing technologies to maintain our national security.**

Who Should Attend: The Symposium will be of interest to a wide range of engineers, business leaders and others striving to ensure that manufacturing operations meet consumer needs, are profitable and sustainable, and remain an integral part of the US economy and the US contribution to the global economy. Registration is required to attend.

Keynote Presentations



"Engineering's Grandest Challenge—
Keeping our Manufacturing Systems
Capable of Competing in the Global
Marketplace"
Charles Vest
President, NAE



"The Role of Operations Engineering in
Strategic Planning of Manufacturing for
Products to Meet Changing Consumer
Demands"
Larry Burns
Former VP, GM



"21st Century Manufacturing—One
Tenth of the Way Towards Sustain-
able Manufacturing"
Sharon Nunes
VP Big Green Innovations, IBM



"Operations Engineering in the
Acquisition, Manufacturing, and
Maintenance of National Security and
Defense Systems"
General David M. Maddox

National engineering leaders will conduct a panel discussion following each keynote presentation. In addition, a National Science Foundation Workshop Panel convened to address these issues will present its preliminary recommendations.

**For Symposium details and to register,
visit the Symposium website:**

www.eiome.org

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