



Call for Abstracts

5th Annual Dayton Engineering Sciences Symposium

October 26, 2009



Abstract Deadline: September 25, 2009

Abstract submission is now open for the 5th Annual Dayton Engineering Sciences Symposium (DESS) at Wright State University. Sponsored by the Dayton Section of ASME, the symposium is designed to facilitate communication between members of the regional technical community, as well as to provide a forum for students, both undergraduate and graduate, and researchers/practitioners to present their work. The symposium program will include several parallel sessions in the morning and afternoon, a luncheon, an industry exhibition, and a Keynote Address. Presentations are limited to 20 minutes, including time for questions. **No written paper is required.** The Dayton Section of ASME will confer "Best Presentation" awards at the annual Section Awards Banquet in late Spring, 2010.

Dr. Jay Baron, president and chief executive officer for the Center for Automotive Research (CAR), and director of CAR's Manufacturing, Engineering and Technology group will give the Keynote Address. The automotive industry is confronted with manufacturing challenges like never before. Markets are fragmenting, production volumes cyclical, and demand is shifting away from large vehicles to smaller less-profitable ones. Legislative pressures to significantly increase fuel economy call for a host of new technologies involving power train, electric motors, and new, light-weight materials. Manufacturers are deploying flexible manufacturing systems to cope with lower volumes and future uncertainty. What business and manufacturing strategies from today will continue into the future and what new ones will emerge? This address will provide an overview of these issues and suggest what the future holds for automotive manufacturing.

Abstract Submission: Abstracts are solicited in all areas of engineering science. Specific topic areas are expected to include: Applied Engineering; Biomechanics; Computer Engineering; Controls Science; Design & Optimization; Electronics & Sensors; Engineering Education; Fluid Mechanics; Industrial & Human Factors; Materials & Processing; Nanotechnology; Power, Propulsion, & Energy Systems; Structures & Solid Mechanics; Thermal Sciences; Engineering Innovation; and Undergraduate Design Projects. Abstracts are limited to 150 words, & must be submitted online through the symposium web site:

<http://www.cs.wright.edu/~asme/DESS.htm>

Registration: All symposium registrations must be processed online through the conference website.

Registration rates are as follows:

General Registration: \$100

ASME Member Registration: \$75

Luncheon and Keynote Address Only Registration: \$30

Students & Unemployed ASME Member Registration: \$25

Undergraduate Student Presenter Registration is Free

***ASME Graduate Student Presenter Registration is Free if Abstract Submitted by August 28, 2009**

Luncheon and Keynote Address Only registration includes box lunch. All other registrations include admission to all technical sessions, conference program and booklet of abstracts, continental breakfast, all day coffee and refreshments, and choice of box lunches.