

**GREATER PHILADELPHIA AIAA / ASME
2nd Annual AEROSPACE / MECHANICAL ENGINEERING MINI-SYMPOSIUM**

THE ENGINEERING INNOVATION SHOWCASE OF PHILADELPHIA

Saturday February 11, 2006 – DoubleTree Hotel, Plymouth Meeting, PA

Call for Abstracts

- See the latest developments in local Aerospace & Mechanical Engineering technology
 - Abstracts solicited for oral presentations and poster session

SUGGESTED SESSION TOPICS (but not limited to):

- Energy & Propulsion Systems – fuel cells, hydrogen technologies, advanced cycles, thermal-fluids, heat transfer
 - Modeling and Simulation – CFD, finite element analysis, trajectory modeling
 - Vehicle Design and R& D – Manned and UAV, ground, sea, air, space
- Micro & Macro Materials – Nano-technology, MEMS, ceramics, composites, polymers, smart materials, manufacturing techniques
 - Sensors & Controls – smart sensors, control methodologies, non-destructive methods, laser-based techniques
 - Vibrations & Dynamics – rotor and machinery dynamics, acoustics, passive & active damping, noise control

Abstract Format & Submission – Abstracts to be submitted in PDF format and should not exceed 150 words and should be double spaced. The body of the abstract should be preceded by an author/title block. The title should appear in capital letters. Authors' names, organizations and e-mail should follow the title. The author's organization, phone numbers and e-mail address should appear after each name if the organizations are different. If they are the same, the organization name need only appear once after the author's last name and phone number. Presenter's name and mailing address MUST follow the body of the abstract. Please note if abstract is for oral presentation or poster session.

**Submit abstracts (PDF format) by e-mail to: AIAA-ASME@villanova.edu
DEADLINE FOR ABRACTS – January 31, 2006**

- Keynote address by Congressman Mike Fitzpatrick (R-8), member of the House Small Business Committee.
- Kick-off address by Mr. Marc Sheffler, Senior Manager Phantom Works Engineering, Boeing Advanced Army/Rotorcraft Systems.

Registration Form

We are pleased to offer web registration this year in addition to mail-in registration. Attendees preferring to pay with credit card must register on-line at: www.acteva.com/go/aiaa

You may also register by sending a check along with the completed registration form to:

Mrs. Leslie McNamee
Mechanical Engineering Department,
Villanova University
800 Lancaster Avenue,
Villanova, Pennsylvania 19085

Make Check Payable to: AIAA Greater Philadelphia Section

Name: _____

Organization: _____

Address: _____

Phone: _____

Email: _____

For more information on technical sessions contact conference co-chairs:

Jerry Jones - gerard.jones@villanova.edu	610-519-4980
Kamran Fouladi - fouladi@infomec.cc	610-291-6642
Peter Cavallo - cavallo@craft-tech.com	215-766-1520

Registration Professionals: \$80.00

Students: \$25.00

The registration fee provides for attendance at the technical sessions, a copy of the Mini-Symposium booklet containing abstracts of all presentations, breakfast, luncheon, and a guest speaker.

American Society of Mechanical Engineers
c/o 223 West Summit Avenue
Haddonfield, NJ 08033

Mark Your Calendar

2006 ASME Spring Golf Outing

Monday, May 8

Manufacturers' Golf and C. C.

Ft. Washington, PA.

Contact John Jorgensen 610-647-0246

Email johnjorg@hubbardco.com

Philadelphia Section February Meeting

Thursday, February 16

Amusement Park Ride Design

Speaker – Larry Chickola

Villanova University, Villanova, Pa.

Location: Villanova University, CEER Building, Room 001

Times: **Registration and light dinner** – 5:45 PM, (Pizza and soda), \$10 for members, no charge for students

Presentation - 6:30 PM

Speaker: Larry Chickola, P.E., Chief Corporate Engineer, Six Flags Theme Parks

This talk will cover the past and current practices of amusement ride design. Lots of design examples are included, from components to full rides. Ride dynamic testing will be explored, along with a discussion of the biodynamic effects of rides on people. As a wrap up, a discussion of engineering as a career and how an engineering degree can lead to working on space satellites, passenger trains, National Defense, and amusement rides.

This meeting is our annual student night presentation and is also open to all members and their families.

Call Leslie McNamee at Villanova University (610 519 4981) by February 13 to make reservations. Ask for directions to the CEER building.