



# 8th Biennial ASME Conference Engineering Systems Design and Analysis – ESDA 2006 Torino, Italy, 4 – 7 July 2006 CALL FOR PAPERS



Politecnico di Torino will host the 8th Biennial ASME Conference on Engineering Systems Design and Analysis ESDA 2006 – to be held from 4 to 7 July 2006. The conference is sponsored by ASME, Politecnico di Torino and Regione Piemonte.



## Topics

The conference will cover the whole spectrum of mechanical engineering, including:

- Advanced Energy Systems
- Advanced Materials
- Aerospace Propulsion
- Automation and Robotics
- Automotive Systems
- Bioengineering and Biomedical Technology
- Dynamic Systems and Control
- Fatigue and Fracture
- Fluids Engineering
- Heat Transfer
- Internal Combustion Engines
- Maintenance Engineering and Non-Destructive Evaluation
- Manufacturing
- Nanotechnology
- Noise Control and Acoustics
- Systems Engineering
- Technology & Society
- Tribology

## Program

The scientific program will consist of plenary lectures by invited speakers, invited sessions, contributed paper presentations and round tables. All contributed papers will be subjected to a review process. All accepted papers will be published on a CD of the proceedings. For each accepted paper, at least one author is requested to register for the conference. Best papers in each topic will be selected for publication on the ASME Transactions and some International Journals.

## Call for Papers

Potential contributors are requested to submit extended abstracts of 400 words on any of the topics covered by the ESDA conference. Following review of the abstracts, the authors of the selected abstracts will be requested to submit draft papers of up to 10 pages. The deadline for abstract submission is November 10, 2005. Paper submission and review process will be processed through the ASME tool:

<http://www.asmeconferences.org/esda06>

## Important Dates

July 2005 Call for papers  
November 10, 2005 Abstracts due  
November 28, 2005 Notification of acceptance  
January 14, 2006 Submission of draft papers  
March 10, 2006 Notification of draft paper approval  
April 21, 2006 Submission of final papers  
July 4-7, 2006 ESDA 2006 Conference

## Scope

The ASME conference on Engineering Systems Design and Analysis (ESDA) is held every two years. In 2004 it was held in Manchester, UK, and there were over 300 technical papers contributed from over 40 countries.

The scope of the conference covers a range of major topics in engineering, and related disciplines, ranging from theoretical developments to industrial applications and case studies.

ESDA 2006 will provide a forum for researchers and engineers, from industry, academia and research establishments, to discuss and exchange ideas, methods and results on contemporary topics in engineering.





### Conference Chair

F. Profumo, Politecnico di Torino

### Organizing Committee

V. Verda, Politecnico di Torino

M. Gola, Politecnico di Torino

M. Cali Quaglia, Politecnico di Torino

N. Egrican, Yeditepe University

F. Franco, ALSTOM, UK

A. Mittica, Politecnico di Torino

### Scientific Committee

R. Borchiellini, Politecnico di Torino

M. Cali Quaglia, Politecnico di Torino

S. Abrate, Southern Illinois University

A. Akay, Carnegie Mellon University

M. Acar, Loughborough University

O. Arnas, U.S. Military Academy

A. Bejan, Duke University

G. Belingardi, Politecnico di Torino

B. Bhushan, Ohio State University

A.E. Catania, Politecnico di Torino

G.P. Celata, ENEA

J. Cooper, University of Manchester

U. Desideri, University of Perugia

N. Egrican, Yeditepe University

F. Franco, ALSTOM, UK

M. Gola, Politecnico di Torino

Y. Halevi, Technion University

D. J. Inman, Virginia Tech

P. Lazzarin, University of Padua

F. Martelli, University of Florence

A. Massardo, University of Genoa

B. Panella, Politecnico di Torino

C. Pappalettere, Politecnico di Bari

M.von Spakovsky, Virginia Tech

D. Taylor, Trinity College

A. Valero, University of Zaragoza

F. Veniali, University of Rome-La Sapienza

V. Verda, Politecnico di Torino

### Torino

The capital of the Duchy of Savoy, the Kingdom of Sardinia and then the first capital of Italy, Torino offers a circuit of great historical and architectural interest. The royal residences are of extraordinary historical, artistic and environmental interest, and were declared "Heritage of Humankind" by UNESCO in 1997.

As the cradle of industry in Italy, Torino has accumulated over a century and a half of technical knowledge. Its productive system is mainly constituted by a network of companies operating in the fields of mechanics (mainly vehicles and automotive sectors), aeronautics and aerospace.

Some of the main tourist attractions are:

Mole Antonelliana, the symbol of the city; the Egyptian Museum, the world's oldest and the second most important; the chapel of the Holy Shroud; the Royal Library with several operas by Leonardo da Vinci, including the "self-portrait" and the code "on the flight of birds"; the Hunting Lodge by Juvarra.

### Travel and Lodging information

Torino can be easily reached by plane; its airport is connected with several European cities. Milano Malpensa airport is less than 100 km far from Torino; direct train connection will be available in 2006.

Torino can be also reached by train from through Milano, Genova and Lyon.

The city offers a large variety of hotels, most of them restyled for the 2006 Olympic Winter Games, which will be held in Torino. Typical rates vary from €75 upwards. Negotiated discounted rates will be posted on the conference website.

A limited number of rooms in student residences will be available.

### Further Information

In order to be on the conference mailing list, please send an e-mail detailing your interest in the conference to [esda2006@lamp.polito.it](mailto:esda2006@lamp.polito.it)

### ESDA 2006 Conference Office

COREP

Politecnico di Torino

C.so Duca degli Abruzzi, 24

10129 Torino

Italy

### Conference website

For more information visit the conference website <http://www.lamp.polito.it/esda2006>

For details of ASME membership <http://www.asme.org>

