CONFERENCE SECRETARIAT
ASMDO 2007

Institute FEMTO-ST / Dept. LMARC
UMR –CNRS 6174
24, rue de l'Epitaphe, 25000 Besançon, France

Call for papers

Papers are invited on the topics outlined and others falling within the scope of the conference. Abstracts of no more than **300 words** (one page abstract in Word, Latex, PDF or PS format) should be submitted *as soon as possible*. The files should be emailed to : **aconf2007@asmdo.com** . Abstracts should clearly state the purpose, results and conclusions of the work that will be presented. The language of the conference will be **English**. There will be **mini-exhibition** spaces available for organisations wishing to exhibit hardware, software, products, services and literature related to the theme of the conference. Also, persons wishing to organise **Mini-symposium** are highly solicited. Mini-symposium consists of one or more technical sessions. Each session contains five 20-minute slots.
In addition, the organizers are negotiating with a few journals for publication of **special issues** containing selected papers after the conferences.

Important Dates

September 15, 2006	One Page Abstract Deadline
November 19, 2006	Notification of acceptance
December 15, 2006	Deadline for Early Registration
February 7, 2007	Submission of the Full paper
April 17- 20, 2007	Conference

Registration fees

The registration fee covers book of abstracts, conference proceedings in CD, access to all plenary sessions, conference materials, conference banquet, and coffee breaks. The standard registration fee will be as follows :

Fee (€)	Early Registration	Late Registration
ASMDO members and students	330€	380€
Non ASMDO members	380€	450€
Mini-exhibition space	500	580

Sponsors and Support Organizations

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First International Conference on Multidisciplinary Design Optimization and Applications

17 - 20 April 2007
Besancon - France

http://www.asmdo.com/conference2007/index.htm

Organized by :

ASMDO Association for Simulation and Multidisciplinary Design Optimization

Objectives

Multidisciplinary Design Optimization - MDO - deals with the optimal design of structural elements or systems employed in several engineering fields such as the aerospace industry, where reducing the structural weight is one of the most important tasks. Nowadays, use of Structural Optimization is rapidly growing in automotive, aeronautical, mechanical, civil, nuclear, naval, and off-shore engineering. This is due to the increase of technological competition and the development of strong and efficient techniques for several practical applications. The increase of speed and capacity of computers allows large-scaled structures or systems to be optimized. The main scientific challenges of MDO are concerned with the development of strong and efficient numerical techniques and with the computational organization required for the necessary coupling of disciplinary software systems. Also, the applications related to real problems such as parameter identification appeared to be very difficult due to the gap that still exists between the industrial requirements and the university research. In addition to the above points, the efficiency of the optimal result depends on the efficiency of the simulation and the modelling process. For these reasons, one of the mains objectives of this international conference is to bring together scientists and practitioners working in different areas of engineering optimization.

Conference Topics

- Design Optimization and Inverse Problems
- Sensitivity Analysis
- Industrial Applications and Software Systems
- Structural Optimization : Topology, Shape and Sizing Optimization
- Multi-scale Optimization
- Optimization of Composite Materials
- Mathematical Programming Algorithms
- Communication Aspects of Parallel & Distributed Algorithms
- Distributed Computing in Design Optimization
- Concurrent Engineering
- Design of Experiments
- Simulation and Modelling
- Integration of Optimization Tools in the Design and Manufacturing Process
- Multi-objective Optimization
- Robust Design
- Evolutionary Strategies
- Computational Methods
- Optimization in Economics and Finance
- Identification

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Location

The conference, will be held in *Maison de l'Economie* of the CCI of Doubs in Besancon. The region set right in the heart of Europe, two hours and half from Paris by the TGV and one hour and half from Geneva or Bale-Mulhouse int. airports. The city has a wealth of original cultural heritage from the 18th century. The curious will discover the Boucle du Doubs and the Famous big Citadel. Besancon is also the birthplace of many great people, such as the poet and novelist Victor Hugo, Brothers Lumière the creators of the cinema and Pierre Joseph Proudhon the philosopher.

ASMDO

Association for Simulation and Multidisciplinary Design Optimization

FIRST INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY DESIGN OPTIMIZATION AND APPLICATIONS

Besancon, France, 17-20 April 2007

Last Name : **First Name :**

Title :

Organization:

Address: **City:** **Prov/State:** **Country:**

Postal:

Phone: **Fax:** **E-mail:**

ASMDO 2007 :

☐ I intend to give a presentation (abstract will follow).

☐ I intend to organize a Mini-symposium (abstract will follow).

☐ I intend to organize a Mini-exhibition (space for posters or for demonstration will be needed).