



**FIFTH INTERNATIONAL CONFERENCE  
ON MULTIDISCIPLINARY DESIGN OPTIMIZATION AND  
APPLICATION**

26-30 June 2016  
Shenzhen, CHINA



**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 should be submitted as soon as possible. Abstracts should clearly state the purpose, results and conclusion of what will be presented. Conference working language will be English. There will be mini-exhibition spaces available for organizations wishing to exhibit hardware, software, products, services and literature related to the themes of the conference. Also, persons wishing to organize a Mini-symposium consisting of one or more technical sessions are solicited. Each session contains five 20 minute slots. Articles presented in the ASMDO conference are also illegible for publication in special issues.

**Important Dates**

- Feb. 25, 2016** Receipt of one Page Abstract
- Mar. 25, 2016** Receipt of Full Papers
- May. 15, 2016** Deadline for Early Registration
- Jun. 1<sup>st</sup>, 2016** Receipt of Final Papers & Copyright Forms
- Jun. 26-30, 2016** Conference

**Registration Fees**

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

Fee (€)	Early Registration	Late Registration
Mini-symposia organizers & students	400€	450€
ASMDO members	500€	550€
Non ASMDO members*	550€	600€
Mini-exhibition space	700€	750€

*\*A One year subscription to the ASMDO is included in your registration*

Payment by either local or international bank transfer :  
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Organized by:



## 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 and 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 procedures required for the necessary coupling of disciplinary software systems. Also, the applications related to real problems such as parameter identification is very difficult due to the gap that still exists between the industrial requirements and university research. In addition to the above points, the efficiency of the optimal result depends on the efficiency of the simulation and the modeling process. For these reasons, one of the main objectives of this international conference is to bring together scientists and practitioners working in different areas of engineering optimization.

## Conferences Topics

Industrial Applications and Software Systems,  
Design Optimization and Inverse Problems,  
Structural Optimization : Topology, Shape and Sizing Optimization,  
Micro and Nano-Technologies,  
Finite Elements and Finite Differences Methods,  
Real-Time Optimization,  
Vibrations and Structural Dynamics,  
Computing Mechanics,  
Robotics, Optimal Control,  
Heat and Mass Transfer,  
Imaging, Biomedical Engineering,  
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 Modeling,  
Integration of Optimization Tools in the Design and Manufacturing Process,  
Multi-objective Optimization,  
Robust Design, Big Datas,  
UAV and Drone Optimal Design,  
Evolutionary Strategies,  
Computational Methods,  
Optimization in Economics and Finance,  
Advanced Manufacturing process,  
Identification.

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## Location

Shenzhen (SZ) is a major city in the south of china in Guangdong province. It is situated immediately north of Hong Kong Special Administrative Region. SZ is one of the *most successful* Special Economic Zones in China. A headquarters of numerous high-tech companies and finally one of the busiest container ports in China. You can reach SZ city directly with local flights from all over China and easily from Hong Kong or Guangzhou International Airports.

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