



**Polytech'Marseille**

<http://www.polytech-marseille.com>



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[aerochina2shortcourse@polytech.univ-mrs.fr](mailto:aerochina2shortcourse@polytech.univ-mrs.fr)

**Location :**

The short course will take place at Université de Provence, Polytech'Marseille/DME , 5 rue Enrico Fermi, site de Château Gombert, Marseilles.

[http://www.polytech-marseille.com/plan\\_acces.html](http://www.polytech-marseille.com/plan_acces.html)

**Registration fees :**

The registration fees, including social events, are:

Normal Fees 250€

Students 150€

Accompanying persons 150€

The fees include book of abstracts, attendance to all sessions, coffee breaks, lunch, reception, banquet and tour.

**Accommodation**

Hotel reservations can be directly made on the proposed hotels (see the web site of the short course).



# Short Course

## CHINA-EUROPE

*On Multiphysics Modeling, Simulation, Experimentation and Design Methods in Aeronautics.*

**June 16-18 2008**

**Marseilles, France.**



Organised by Univ. de Provence (IUSTI-Polytech'Marseille)

In association with CIMNE(Spain), E.C and AVIC1, CAE(P.R.China)

<http://aerochina2-sc.polytech.univ-mrs.fr>



## OBJECTIVES

The increasing necessity to solve efficiently complex multi-physics problems in Aerospace Engineering in integrated and collaborative environments requires the development of new methods and tools which can provide affordable and high quality solutions to aeronautic challenges.

In the frame of AEROCHINA2 project which is a bilateral initiative between Europe and China countries started through the first AEROCHINA project (<http://www.cimne.upc.es/aerochina2>),

the objectives of the short Course will allow to deliver up-to-date lectures by prominent experts from academia and industry from Europe and China.

This Short Course will be held in Marseilles, France and the topics related to theoretical and applied aspects of multidisciplinary computational and experimental methods for aeronautic modelling and applications will be discussed in detail.

The content of this course is oriented towards engineers and researchers of Europe and China involved in these multiphysics fields and also towards Working Groups activities of AEROCHINA2 partners.

## SHORT COURSE TOPICS:

- **Aeroacoustics, noise and smart technologies,**
- **Flow control,**
- **Aeroelasticity, structures and materials,**
- **Multiphysics code V&V and MDO,**
- **Propulsion and aerothermal flows – icing/deicing-anti icing,**
- **Multiphysics simulation on HPC environments.**

## AEROCHINA2 Project:

The AEROCHINA2 is a Coordination Support Action whose main objective is to foster the cooperation between industries, universities and research institutions in the aeronautics sector in Europe and China in the field of multi-physics modelling, computer simulation and validation, experimental testing and design methods for multi-physics problems of interest to the aeronautic sector.

The aim of the AEROCHINA2 is to identify and implement future win-win area of collaboration between Europe and China for the solution of multidisciplinary design problems in aeronautics. This will be achieved by prospective studies aiming to collect, store and disseminate, on an individually or group basis the existing knowledge in Europe and China in the field of multi physics modelling, simulation, experimentation and design in aeronautics.

## *Invited Lecturers :*

Abbas A. , Airbus, Spain,  
Anthoine J. , VKI, Belgium,  
Burguburu S. , ONERA, France ,  
CHENG Hong Quan, NUAU, China  
DUAN ShiHui, ASRI/CAE, China  
DUAN ZhuoYi, FAI/CAE, China,  
Flores R. , CIMNE/UPC, Spain,  
Hirsh C. , NUMECA, Belgium ,  
MING Xiao, NUAU, China,  
Morgan K., Univ. of Wales/UK,  
QIAO WeiYang, NPU, China,  
Qin N., Univ. Sheffield, UK,  
Ragni A., CIRA, Italy,  
Saniger J. , EADS IW ,  
Selmin V. , Alenia, Italy ,  
TANG Zili, NUAU, China,  
Vazquez M. , BSC/UPC, Spain,  
WU X. , Univ. Birmingham, UK,  
YI XiaoSu, BIAM/CAE, China,  
YUAN Mingwu, PKU, China ,  
ZHOU Lei, ACTRI/CAE, China,  
Zielinski T. , IFTR, Poland.

