



## 5th - NEWSLETTER MOTORSPORT EXPOTECH 25th of May 2009

<http://www.motorsportexpotech.com/>

*Iscriviti all'unica Community professionale per  
incontrarsi e confrontarsi sul Motorsport*

### A.I.F.M. PATRONAGE



The Italian Metal Finishing Association (A.I.F.M.) has confirmed its patronage for the 2009 edition of Motorsport Expotech.

A.I.F.M. is open to all metal lining operators with the purpose of providing the broadest possible association services to **Galvanising** and **Surface Treatment** industries.

The Association stands out for its efforts to promote scientific and technical culture, with its magazine "Galvanotecnica e nuove finiture" and the organisation of conventions and training courses for operators in the galvanising sector; it also encourages the exchange of information and relationships on a national and international scale, as well as providing environmental protection and consulting services.

### EXHIBITING COMPANIES



The Edibit publishing group has specialised since 1989 in the development of products and services for promotion and advertising of companies in the engineering sector.

The range of our products and publishing services (traditional and internet) meets the needs of sector companies seeking to expand their business, increase clientele and improve turnover by investing in advertising and developing their trademark/brand.

The Edibit S.r.l. publishing group includes

- Edibit Srl (parent company) Publisher of specialist magazines (Il Giornale della Meccanica, Subfornitura Italiana, Meccatronica); owner of web sites [www.mecweb.com](http://www.mecweb.com) the search engine for Italian engineering companies; and [www.expomec.it](http://www.expomec.it), the internet engineering exhibition.
- Forven Srl, direct marketing agency. It is the sales division of the Group.



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### MECCANICA ONLINE - MEDIA PARTNER OF MOTORSPORT EXPOTECH



Meccanica Online is the Italian portal for companies, offering the possibility of free company advertising by uploading customised articles.

The Meccanica Online portal aims to encourage the growth of small-medium companies by providing a self-publication mechanism with a free base, customised marketing and the creation of company web sites.

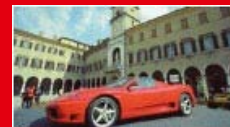
The founder of Meccanica Online, Andrea Pelleschi - member of the Viadeo Motorsport community - answered a number of questions as follows:

#### What do you think of Motorsport Expotech? What role does your portal play inside the event?

"Motorsport Expotech, despite only being at its second edition, has already achieved excellent results and is making ready to become a national landmark for the specialist engineering sector and particularly for competition motor sports.

Meccanica Online, as a national engineering portal, will take part in the convention and collaborate with ModenaFiere and Assomotoracing to achieve increasingly important

#### Hospitality in Modena



#### Evento collaterale



#### MIA Member



objectives in a reality such as the Modena area that embraces the Italian essence of engines."

## **SEMINAR DISCUSSING THE INTERACTION BETWEEN SIMULATION AND TEST - Organised by NAFEMS ITALIA**



NAFEMS ITALIA, the Italian representative of the British Association NAFEMS Int.l (The International Association for the Engineering Analysis Community), will present a seminar discussing the interaction between simulations and tests on 26 May at the Savoia Hotel Regency (Bologna).

Virtual models increasingly represent an approximation of reality and, whenever possible, the computerised results obtained with these systems should be compared with effective behaviour.

This is essential, moreover, in the development and optimisation of virtual models, with the application of the so-called model validation procedure. The correlation between virtual and physical tests is the key for an efficient development process and an optimal balance between these two procedures that vary from company to company since they are a function of the type of application of interest of the product to be developed. The purpose of the seminar is to exchange knowledge and experience, between various types of industry and different applications, in combining physical and virtual tests.

### **AGENDA**

9.00 Registration of participants

9.30 "The NAFEMS Association" - G. Miccoli, NAFEMS Italia

10.00 Evaluation of the dynamic behaviour of gear pumps through integrated Test-CAE analysis in the LMS Test.Lab/Virtual.Lab environment - E. Mucchi, Faculty of Engineering, University of Ferrara

10.30 Improvement of lateral impact performances of vehicles during pole impact; a method of development in the saddle environment - F. Mozzarelli, CSI

11.00 Coffee break

11.30 Numerical simulation supporting experiment and diagnostic analysis of materials and structures - G. Bolzon, Milan Polytechnic University

12.00 Avionic equipment cooling system modelling, simulation and validation by means of laboratory test - P. Borrelli, Alenia Aeronautica

12.30 Numerical-experimental methods for product development in the automotive sphere - A. Rosati, Fiat Research Centre

13.00 Buffet lunch

15.00 Integration between model test and numerical models to define operating conditions for offshore vessels - P. Monti, SAIPEM

15.30 FEM analysis for mechanical characterisation of a pseudo-elastic alloy (NITINOL)- M. Bussone, SorinGroup

16.00 Synthesis of the sound of church bells by means of dynamic Finite Element Analysis - M. Ricotta, University of Padua

16.30 Saddle project for sport bicycles: FEM tests and analysis compared - L. Maestrelli, Studio Maestrelli

17.00 End of seminar.

THE **PARTNERS** AND **PATRONS** OF THE EVENT ARE:

- **ALTAIR ENGINEERING**
- **LMS ENGINEERING INNOVATION**
- **CRF FIAT RESEARCH CENTRE**
- **ALENIA AERONAUTICA**
- **ASSOMOTORACING**
- **ALMATEC**
- **STUDIO MAESTRELLI**

### **ACTIVITIES OF THE NAFEMS ASSOCIATION**

NAFEMS, The International Association for the Engineering Analysis Community, is an independent, non-profit association. NAFEMS and its members are involved in the application of simulation and virtual prototype development in the engineering sector, covering products and processes. Members include almost 1000 companies in every part of the world. The activities of the Association embrace all simulation technologies, including Finite Element Analysis and Computational Fluid Dynamics. As new application sectors and procedures are progressively and constantly developed, NAFEMS plays an active role to create adequate updates and define an appropriate training and education programme. In line with these purposes, NAFEMS continually seeks to keep pace with new analysis methods, promote training courses and suggest the best and most effective use of technology by providing a valid

platform for continual professional development. NAFEMS ITALIA pursues the objectives of the parent company, with a special focus on Italian industrial, academic and research realities. ([www.nafems.it](http://www.nafems.it))

TO REQUEST THE ENROLMENT FORM OR RECEIVE FURTHER INFORMATION:

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