



10th - NEWSLETTER MOTORSPORT EXPOTECH 28th of July 2009

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

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

EXHIBITING COMPANIES



FIM-PREMEC FIM-PREMEC is based on professional staff and avant-garde machinery. The company follows up clients from design to development of the components requested.

Our main features are:

- flexibility;
- dynamics (prompt delivery);
- versatility (processing experience with any type of steel, aluminium, titanium, plastics, brass and bronze);
- quality.

These factors ensure a continual process of evolution and research; (our technical office uses CAD-CAM, CIMATRON-E and MASTERCAM to receive 3D Models in the most common CATIA V4-V5 and IGES formats and process them in relation to the machining operations to be performed)

The main areas where FIM-PREMEC stands out are:

- Construction of high precision prototypes and components;
- Small and medium-series sub-contract production;
- Product industrialisation;
- Construction and design of all types of equipment.



CIMA

CIMA The precision gears produced by CIMA since 1946 have been used in the widest range of industrial and automotive sectors. The wealth of experience in the racing sector has made CIMA one of the European leading manufacturers of gears and gearboxes for sports vehicles, Formula 1, GP2 Series, GT cars and MotoGP.

More of 60 years of experience, 135 qualified Technicians, the in-company organisation UNI EN ISO 9001:2000 certified, a wide range of manual and CN machines tools, the own heat-treatment with also vacuum oven, the metallurgic laboratory, the special processes management, the quality control department and the assembly department for gearbox mostly characterize our activity.

More info in <http://www.cimaingranaggi.it/>



WWW.JUNODESIGN.IT

JUNO DESIGN The JUNO brand is a new entry in the motorcycling after-market world set up thanks to the close collaboration between SP-design research centre and the Faculty of Engineering at Bologna University.

Thanks to sophisticated technologies, such as rapid prototyping and reverse engineering, JUNO is quickly making its name in the distribution of parts in carbon fibre that seek to emphasise the sporting character of motorbikes.

JUNO is the sponsor of Aprilia driver Lorenzo Savadori in the World Championship 125cc class and offers on-line sales of articles entirely designed and built in Italy for famous motorcycling marques such as Ducati and Harley Davidson.

GIORGIO NADA EDITORE

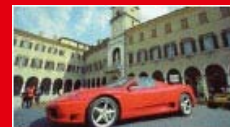
Giorgio Nada Editore especially focuses on the publication of high quality books and periodicals in the vintage/modern car and motorcycle sector; a new addition involves the vintage tractor, truck and fire-fighting vehicle sector.

Since its foundation in 1987, the publisher has managed to establish a role of leadership on the Italian and European market with publishing production of more than 500 titles, available in several languages. Currently, the products of the publisher - a partner of Giunti Editori SpA since 2007 - are distributed on a capillary basis in all Italian bookshops as well as abroad. in particular in Europe and USA/Canada, Japan and Australia.



Libreria dell'Automobile, managed since 1973 by well-known publisher Giorgio Nada, specialises in the promotion and distribution in Italy and abroad of motoring publications and has become a landmark

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for all the most important Italian and international bookshops and collectors.

The various topics include books and DVDs dealing with: car and motorcycle brands, technical motoring books, technical repair and maintenance manuals, off-road, military vehicles, motor sports and drivers, annuals, trucks-vans-buses, tractors, modelling, fire fighting and emergency vehicles, coach builders and designers, etc...

Over and above direct management of two historic sales points in the heart of Milan and Rome, Libreria dell'Automobile also carries out important direct mailing (catalogues, magazines) activities, as well as a web site www.libreriadellautomobile.it.

TECHNICAL SEMINAR ON MATERIALS, SURFACE TREATMENTS AND COATINGS

Scheduled for Thursday, **15 October 2009**, is a day dedicated to **materials, surface treatments and coatings in the automotive and high-performance vehicle sector**, another important event organised in collaboration with the Department of Environmental and Materials Engineering of the **University of Modena and Reggio Emilia** and with the support of **A.I.M.** and **A.I.F.M.**

Surface treatments will be examined from the point of view of those that perform these processes and those that use them in the finished vehicle and from the materials point of view among which aluminium, steel, titanium and cobalt alloys.

Just a few of the topics that will be discussed:

- Innovative coatings for cylinder liner surfaces in high performance engines, materials, processing, surface characterization and field test results by the University of Stuttgart
- Address by AUDI
- PVD-CVD coating and surface engineering techniques applied to racing and high-performance components by Lafer Rivestimenti PVD-CVD S.p.A
- Address by Bodycote
- Address by Peen Service
- Metal matrix composite materials for hard-wearing applications in the automotive sector by the Department of Chemistry, Materials and Chemical Engineering of the "G. Natta" Polytechnic of Milan.
- Matching materials and technologies in the construction of an F1 racing car by CRP Technology
- AM60B magnesium alloy anodic oxidation in electrolytic bath containing titania nanoparticles by the Department of Chemistry, Materials and Chemical Engineering of the "G. Natta" Polytechnic of Milan.

The seminar will begin at 09:30.

COMPOSITI EXPO-CONGRESS EXPLORES THE WORLD OF COMPOSITES: MATERIALS WITH A POLYMER, CERAMIC AND METAL MATRIX



The second edition of Compositi Expo-Congress, the event dedicated to the **Composite Materials Industry** during the International **Motorsport ExpoTech** event scheduled at ModenaFiere 14-15 October.

ModenaFiera has re-confirmed collaboration with the Octima Association for the second edition of Compositi Expo-Congress, the exhibition-convention dedicated to the Composite Materials Industry that will especially focus on their use in automotive, nautical and aeronautical sectors.

A brief preview of the contents:

INNOVATIVE MANUFACTURING TECHNOLOGIES AND PROCESSES IN THE MARINE INDUSTRY

- Manufacturing processes and technologies in the fibreglass industry – 3F TECHNOLOGIES
- Recycling technologies for thermoset composite materials – ICTP-CNR
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- A working experience at Cantieri di Baia – Infusion of the Baia 50' boat - RESINTEX
- Racing Yachts advanced composite construction - TRIMARINE
- CE marking: obligation and opportunity - ANCCP
- Sailing with lighter boats. Pantec, a new family of structural, ecological and light panels - STRUCTURA
- Polyester, vinylester or epoxy? A structural engineer's comparison of the most widely used resins systems in the marine business. – SP SYSTEMS - GURIT
- The enforcement of atex directives in the shipyards air filtration issues - ICAM
- Dosing equipments integrated on manufacturing and paint process of composite materials – VERIND

INNOVATIVE MANUFACTURING TECHNOLOGIES AND PROCESSES IN THE AEROSPACE INDUSTRY

- 3D digital model validation and revision comparison for the aerospace industry – KUBOTEK EUROPE
- An outlook for the Italian Aerospace Industry: the role played by the Distretto Aerospaziale Pugliese – DISTRETTO AEROSPAZIALE PUGLIESE
- The use of CAE in the design of composite structures: benefits, problems and potentiality - AMET
- Structural composites with enhanced multifunctional properties by incorporation of Carbon Nano Tubes (CNT) – NANO-CYL
- The way from the design to the composite part for aviation industry - SIKA
- Topological optimization of composite layers lay-up for aeronautical applications - EXEMPLAR
- Autoclave control system for production of aeronautical structural parts TERRUZZI FERCALX
- SMA Hybrid composites (Shape Memory Alloys) for structural applications in the aerospace sector - CETMA
- Carbon fibre recovery from waste materials. End of service life and recycling in the aerospace industry – KARBOREK - ENEA

INNOVATIVE MANUFACTURING TECHNOLOGIES AND PROCESSES IN THE AUTOMOTIVE INDUSTRY

- Crash simulation of full-scale models with composite parts: the description of the material behavior - AMET
- Structural adhesives for automotive industry – MUGNAINI GROUP
- Integrated manufacturing process of profiled parts for lamination – LECTRA ITALIA
- Skintec, the newest high tech thermoplastic composite laminate for competitive structural automotive components - STRUCTURA
- The most performing Italian vehicle: the prototype designed by the Politecnico of Milan for the Shell Eco Marathonws – POLITECNICO DI MILANO
- "One Shot" System for mould - LEDA
- Flow medium and spacer for moulding processes – COLBOND/HARPO
- DORMER / TOOLS Carbide & PCD, for processes of MILLING and DRILLING on Composite materials CFRP's with carbon fibres for Automotive Industry. – DORMER ITALIA/SANDWICK
- Thermoplastic composites and related conversion technologies in the Automotive sector - CETMA
- Topological optimization of composite layers lay-up for automotive applications - EXEMPLAR
- Carbon fibre recovery from waste materials. End of service life and recycling in the

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