



Call for Papers

Authors are invited to submit their abstracts according to following instructions.

Instructions for your abstract :

Your abstract in english should precise your coordinates, title of your conference, and should not exceed one page.
Preferred format: Microsoft Word.

Key dates :

Deadline for abstracts submission : **April 15th, 2009**
Notification : The Programme Committee will notify all authors of its decision in **May 2009**. This notification will be accompanied by detailed instructions allowing selected authors to prepare and send to the secretariat their full paper.

The abstracts should be sent to following e-mail address :
jfb@avantage-aquitaine.com

Sponsors Exhibition

An exhibition by the main sponsors of the conference will be organized.
For that purpose, booths will be provided in the coffee breaks area.

The number of booths being limited, we encourage all the industrials wishing to exhibit their latest carbon models and products to let us know as soon as possible their interest for this conference.

Please make note that this opportunity is reserved to the sponsors of the conference.

Exhibitor's file will be sent on request by conference secretariat.

Proposed and Organized by



For any matter related to the conference, please contact the Conference Secretariat :

AVANTAGE-AQUITAINE
42 rue de Tausia - 33800 Bordeaux FRANCE
Phone : +33 (0)6 81 42 23 95 - Fax : 33 1 45 31 61 34
Email : jfb@avantage-aquitaine.com

Coordination

INNOVALIS Aquitaine
www.innovalis-aquitaine.org

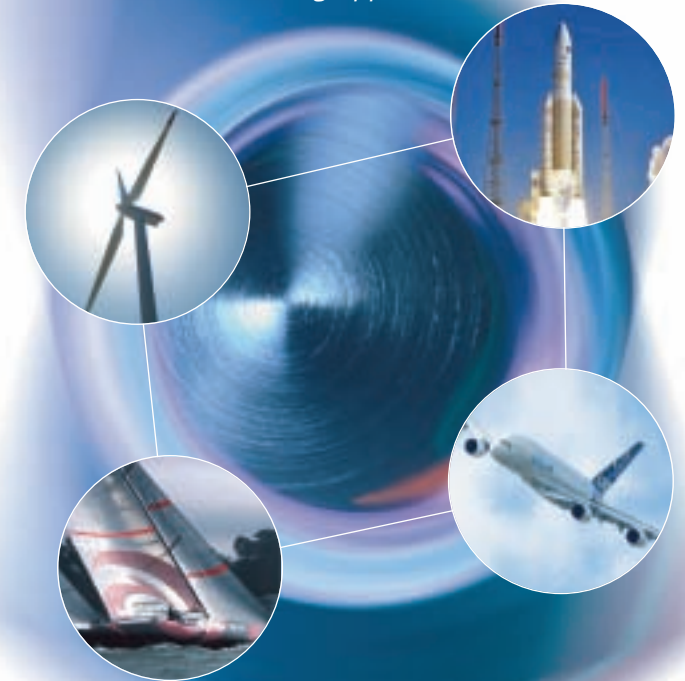
AQUITAINE Industrie

October 27th to 29th, 2009
Palais des Congrès - **ARCACHON**
FRANCE

Recherche
Formation

2nd International Carbon Composites Conference in Aerospace Valley

*Solutions for high
demanding applications*



Call for papers

- CRÉDIT PHOTOS : EADS - AIRBUS - DESKULT AVIATION - B2 COMMUNICATION - F.C.S. B.205 219 639 - TEL 65 96 47 89 - COMMUNICATION - B.C.S. B.205 219 639 - TEL 65 96 47 89



In tomorrow's world, carbon-based applications will contribute in a sustainable development and emergence of increased performance new systems and services.

This second edition of IC3 "International Carbon Composites Conference" will be held in the heart of Aerospace Valley, worldwide competitiveness cluster grouping the skills of Bordeaux/Aquitaine and Toulouse/Midi-Pyrenees regions.

The region of Aquitaine is well known for its support to advanced technologies and the special effort which is devoted to the promotion of composites materials to all actors of the sector.

The conference will bring together scientists, designers, manufacturers and end users from the academic, institutional and industrial "Carbon Fibre Composite World". This is a unique opportunity to meet together all players in the use of Carbon Fibre Composite Materials. This is a unique place for many formal and informal opportunities for exchanges, networking and cross-fertilization.

You will meet at a time scientists presenting their latest achievements as well as big industrial players and start-up companies proposing very brand new applications and services.

You will also have fruitful discussions with educational officers who are preparing and training your future technical managers, you will meet institutional representatives and identify R&D support for your next developments.

Round tables will be also the place for discussion on the European education for composite technologies, institutional support for R&D effort, technology transfer & international cooperation.

Speeches and plenary lectures will be organized in order to bring you the latest overview on carbon composites for cold and hot high demanding applications, but also key topics as the future of carbon fibres market including environmental issues, the trend in nano-composites or the possible replacement of carbon fibres.

We are looking forward to welcoming you in the very nice city of Arcachon, giving you also the opportunity of discovering the charm of the Arcachon Bay and the wild sandy beaches of the Atlantic Coast. You will have the chance to taste the famous oysters and the Bordeaux wines !

With the support of the following partners :

Airbus, AMAC, ARKEMA, ASTRIUM Space Transportation, Bordeaux University, EADS CASA, ENSCPB, GFEC, INNOVALIS Aquitaine, Snecma Propulsion Solide, SAFRAN Groupe, SONACA, SOFICAR, Toulouse university.

Conference Topics



Sessions will be organized on several topics, dealing with current or promising industrial applications :

- Aeronautics, space & defence
- Transport and automotive
- Construction and building
- General industry
- Naval industry, naval applications including extreme ones
- Offshore and other marine applications
- Energy, including windmills & wind turbines
- Medical and biomedical
- Sports

Authors are invited to submit abstracts on the previous subjects, and covering the complete spectrum of related activities. Topics should encompass the whole range of materials, from carbon fibre and fabric, carbon fibre reinforced plastics to carbon ceramics and latest nano-technologies based innovative solutions.

Special slots will be devoted to keynotes that will address the system point of view for using carbon material in high demanding applications.

Special attention will be given to on going development projects discussing how the carbon composite product can reach the market through a sustainable development process.

All technical aspects can be addressed :

Materials

Fibres
Thermoset resins
Thermoplastic resins
2D & 3D textiles
Carbon/carbon
Carbon/ceramics

Structure characterization, behaviour and properties

Material characterization
Structure testing
Non destructive inspection/Non destructive testing
Health monitoring

Structure design

Simulation tools
Design rules
Damage tolerance
Crack propagation

Cost assessment and reduction

Life cycle, maintenance

Repair and overhaul, waste treatment

Manufacturing Technologies

Processing
Impregnation process
Autoclave curing
Out of autoclave curing

Recycling and environmental issues

A special session will be devoted to latest developments on carbon nano-composites.

A special session will be devoted to potential alternatives to carbon fibres: organic fibres, natural fibres.

Conference Information

Conference Location :

Palais des Congrès d'Arcachon
Boulevard Veyrier Montagnères
33120 Arcachon – France

3/4 hour drive from Bordeaux Merignac International Airport.

Direct access from Paris by High Speed Train, 10 minutes walk from train station.

Language :

Papers will be presented in English. Simultaneous translation facilities will not be available.

Conference key dates :

- Conference date : **October 27th to 29th, 2009**
- Deadline for abstracts submission : **April 15th, 2009**
- Authors notification : **May, 2009**
- Registration form distribution : **May, 2009**
- Programme distribution : **June, 2009**

Conference Secretariat :

All correspondence and inquiries should be sent to the conference secretariat.



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