



CFK VALLEY STADE  
**CONVENTION**<sup>TM</sup>

**The Expert Forum for  
Composite Lightweight Construction**

4rd International

# CFK-Valley Stade Convention

15-16 June 2010, Stadeum Stade

XXL Composites -  
for Air, Land & Sea



## Program 15 June 2010

10:00

**Greetings from the CFK-Valley Stade Convention GbR and the Company Partners, CFK-Valley Stade e.V. & Sperlich GmbH**

Prof. Dr.-Ing. Axel Herrmann, Chairman Steering Board CFK-Valley Stade e.V. (Stade)

**Opening Speech**

N.N.

10:15

**Keynote Lecture: The Process Chain of Fiber Composites for Large Components in "CFK-NORD"**  
Matthias Meyer, German Aerospace Center (DLR) - Institute of Composite Structures and Adaptive Systems (Brunswick) & Dirk Niermann, Fraunhofer-Institute for Manufacturing Technology and Applied Materials Research IFAM (Bremen)

10:30 **Coffee Break & Exhibition**

**Session Aerospace Industry (Overview)**

Chairman: Prof. Dr. Richard Degenhardt, German Aerospace Center (DLR) - Institute of Composite Structures and Adaptive Systems (Brunswick), Private University of Applied Sciences (Göttingen)

11:30

**Process Chain of the CFRP-Barrel Manufacturing and Assembly**

Helmut Färber, Vice President Plant Nordenham, Premium AEROTEC GmbH (Nordenham)

11:55

**Titanium - An ideal partner for CFRP**

Werner Beck, FormTech GmbH (Weyhe-Dreye)

12:20

**Advanced Automated Fibre Placement Technology**  
Dirk Röstermundt, German Aerospace Center (DLR) - Institute of Composite Structures and Adaptive Systems (Brunswick) & Christian Boge, MAG Hüller Hille GmbH (Mosbach)

12:45 **Lunch Break & Exhibition**

## Program 15 June 2010

**Session Aerospace**

Chairman: Dr. Matthew Beaumont, EADS Deutschland GmbH - Innovation Works (Ottobrunn)

14:30

**Non-Contact Measurement of Composites**

Thomas M. Hedges, Vice President Engineering Laser Radar, Metris (Virginia, USA)

14:55

**Frame manufacturing by braiding (BraF - Braided Frames)**

Bettina Arold, EADS Deutschland GmbH - Innovation Works (Stade)

15:20

**Composite Flow Moulding**

Roger Stadler, icotec AG (Altstätten, Switzerland)

15:45 **Coffee Break & Exhibition**

**Session Automotive**

Chairman: N.N.

16:45

**Cost Effective Engineering of Light Weight Structures**

Günther Martin, VISTAGY Inc. Waltham (Massachusetts, USA)

17:10

**Load adapted automotive lightweight structures in composite design**

Leif Ickert, Institut für Kraftfahrzeuge (ika) - RWTH Aachen University (Aachen)

17:35

**XXL-Milling tool with innovative CFRP-structure**

Ludger Wellner, Fooke engineering works (Borken) & Dr.-Ing. Hans-Christian Möhring, Institute of Production Engineering and Machine Tools - IFW, University of Hanover (Hanover)

18:30 **Evening Event**



## Program 16 June 2010

### 09:15 Greetings

Dr. Jens Walla, Airbus Deutschland GmbH – Plant Stade (Stade)

### Session Windturbines

Chairman: N.N.

### 09:30

**Approaches for an economically viable preform production for wind-turbine rotorblades**  
Christoph Greb, Institut für Textiltechnik (ita) - RWTH Aachen University (Aachen)

### 09:55

**Development of Electrically-Heated Ceramic Composite Tooling for Large Wind Turbine Blade Manufacturing**  
Dr. Conchúr Ó Brádaigh, GreenBlade GmbH (Brandenburg)

### 10:20

**Technical advances made in Dow's AIRSTONE™ product portfolio for the windmill industry**  
Dr. Bernd Hoewel, Dow Deutschland Anlagengesellschaft mbH (Wuppertal)

### 10:45 Coffee Break & Exhibition

### Session Shipbuilding & Architecture

Chairman: N.N.

### 11:45

**Prevention and failure analysis on highly stressed CFRP components of high-end racing yachts**  
Dr. Olaf Guennewig, SGS INSTITUT FRESENIUS GmbH (Taunusstein)

### 12:10

**New developments in fire retardant composite structures or marine application**  
Jörg Bünker, SAERTEX GmbH & Co. KG (Saerbeck)

### 12:35

**Pultruded fiber-reinforced profiles for multi-layer textile building envelopes**  
Fritz Mielert, Institute for Lightweight Structures and Conceptual Design University of Stuttgart (Stuttgart)

### 13:00 Summary/Closing Remarks

## Evening Event

Enjoy the evening in a relaxed atmosphere. You will have the opportunity to make new business contacts as well as to strengthen old ones in our exclusive pavilion. You can use the evening to continue earlier conversations from the first Convention day and socialize with fellow Congress participants.

The evening event will be rounded off with musical accompaniment of bass, clarinet and saxophone.





## Location

Stade has a lot to offer. No wonder, with a history of over a thousand years! History that can be seen not only in museums, but also living history that can be experienced in the beautifully renovated old town. Stade, the town on the Schwinge, has continued to develop as a cultural center of the Elbe-Weser Triangle since the completion of the STADEUM culture and congress center in 1989. The secret of the avant-garde building's success is the effective synthesis of atmosphere, experience, organisation, and engineering.

[www.stadeum.de](http://www.stadeum.de)



## Hotels

### Parkhotel Stade Hof

Single room 65,-€  
Distance to convention location 0,1 km  
Schiffertorsstraße 8  
21682 Stade  
Tel. +49 (0) 4141 499-0  
[www.parkhotel-staderhof.de](http://www.parkhotel-staderhof.de)

### RAMADA Hotel Herzog Widukind Stade

Single room 74,-€  
Distance to convention location 0,7 km  
Große Schmiedestraße 14  
21682 Stade  
Tel. +49 (0) 4141 99 97 0  
[www.ramda.de/stade](http://www.ramda.de/stade)

### Hotel Altstadthotel „Zur Hanse“

Single room 72,- €  
Distance to convention location 0,7 km  
Am Burggraben 4  
21682 Stade  
Tel. +49 (0) 4141 53 16 29  
[www.altstadthotel-stade.de](http://www.altstadthotel-stade.de)

### Hotel Am Holzhafen

Single room 79,- €  
Distance to convention location 1,1 km  
Salztorscontrescarpe 8  
21682 Stade  
Tel. +49 (0) 4141 529088  
[www.hotel-in-stade.de](http://www.hotel-in-stade.de)

### Hotel Garni „Am Obsthof“

Single room 47,50 €  
Distance to convention location 1,2 km  
Freiburger Strasse 86 a  
21682 Stade  
Tel. +49 (0) 4141 40040  
[www.am-obsthof.de](http://www.am-obsthof.de)

### Hotel „Vier Linden“

Single room 69,- €  
Distance to convention location 1,5 km  
Schölischer Strasse  
21682 Stade  
Tel. +49 (0) 4141 92702  
[www.hotel-vierlinden.de](http://www.hotel-vierlinden.de)

Please reserve the rooms using the keyword „CFK in XXL“ until 3rd May 2010.





## Exhibition

- |    |  |     |  |
|----|--|-----|--|
| 1  | Airtech Europe Sarl  | 21  | Vogt Ultrasonics GmbH                              |
| 2  | GKD-Gebr. Kufferath AG   | 22  | CFK-Valley Stade e.V. - Joint Booth                |
| 3  | Airbus Deutschland GmbH/CTC GmbH                                 | 23b | Carbon Composites e.V.                             |
| 4  | Fraunhofer IFAM  | 24  | GMA-Werkstoffprüfung GmbH/<br>GMA-Engineering GmbH |
| 5  | Dassault Systèmes  | 25  | Vistagy, inc.                                      |
| 6  | FLOW Europe GmbH   |     |  |
| 7  | LAP GmbH Laser Applikationen                                     |     |  |
| 8  | PRIVATE FACHHOCHSCHULE GÖTTINGEN                                 |     |  |
| 9  | German Aerospace Center, DLR e.V.                                |     |  |
| 10 | Ingenieurbüro Tartler GmbH                                       |     |  |
| 11 | Sika Deutschland GmbH, Tooling & Composites                      |     |  |
| 12 | Horst Witte Gerätebau Barskamp KG                                |     |  |
| 13 | Evonik Röhm GmbH   |     |  |
| 14 | Klenk GmbH & Co. KG  |     |  |
| 15 | ESI Engineering System International GmbH                        |     |  |
| 16 | Saertex Stade GmbH & Co. KG                                      |     |  |
| 17 | Toho Tenax Europe GmbH   |     |  |
| 18 | M. Torres Deutschland GmbH                                       |     |  |
| 19 | Olympus Deutschland GmbH/<br>Inspection Maintenance Systems-IMS  |     |  |
| 20 | Gesellschaft für Entwicklung und Versuch<br>Adlershof mbH (GEVA) |     |  |

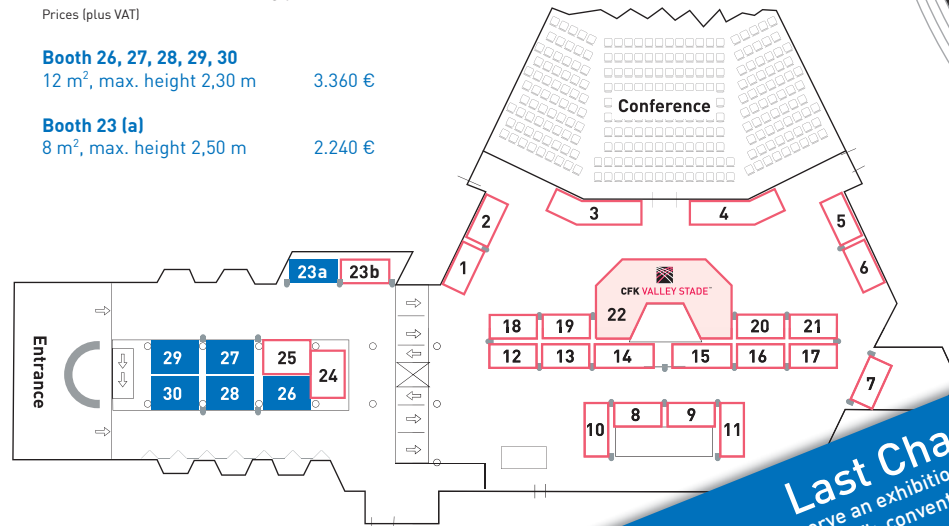
- Innovatives Niedersachsen GmbH
- N-Bank
- Hansestadt Stade - Wirtschaftsförderung

Exhibition booths for the CFK-Valley Stade Convention are available at the following prices:

Prices (plus VAT)

**Booth 26, 27, 28, 29, 30**  
12 m<sup>2</sup>, max. height 2,30 m      3.360 €

**Booth 23 (a)**  
8 m<sup>2</sup>, max. height 2,50 m      2.240 €



**Last Chance**  
to reserve an exhibition booth!  
info@cfk-convention.com

## Fees

Participants 600 € plus VAT  
every additional person 450 € plus VAT  
(will be checked upon registration)

Participants 450 € plus VAT  
(Member of CFK-Valley Stade e.V.)

Participants 450 € plus VAT  
(Member of DGLR e.V.)

The fee includes conference, exhibition, conference proceedings,  
lunch, refreshments during breaks, evening event

Students 80 € plus VAT  
(Please include copy of student I.D. with registration form)  
The fee includes conference, exhibition, lunch, refreshments during  
breaks (without conference proceedings)

## Legal Notice

You will receive an invoice for the participation fee upon receipt of your registration. The number of participants is limited due to organizational reasons. In justified cases, e. g. due to the cancellation of speakers or too few participants, we reserve the right to cancel the convention up to one week before the appointed day. The paid fees will be reimbursed in this case. Any further claims to CFK-Valley Stade Convention GbR will be excluded. With your signature, you consent that your data may be entered into the CFK-Valley Stade Convention GbR database. Your data will be treated confidentially and will not be disclosed to third parties.

## Registration

Via fax to +49 551 49601-49  
or Internet: [info@cfk-convention.com](mailto:info@cfk-convention.com)  
by 29 May 2010

\_\_\_\_\_

Last name / first name / title

\_\_\_\_\_

Company / organisation

\_\_\_\_\_

Position / department

\_\_\_\_\_

Street / P.O. Box

\_\_\_\_\_

Postal code / Town / Country

\_\_\_\_\_

Telephone / Fax

\_\_\_\_\_

E-mail

**Binding registration** (please check appropriate item):

- Member of CFK-Valley Stade e.V.  
 Member of DGLR e.V.  
 Student

\_\_\_\_\_

Date

\_\_\_\_\_

Signature





## Organization

Main Office  
CFK-Valley Stade  
Convention GbR  
[www.cfk-convention.com](http://www.cfk-convention.com)

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[www.cfk-convention.com](http://www.cfk-convention.com)



CFK VALLEY STADE  
**CONVENTION™**

## Company Partners



[www.cfk-convention.de](http://www.cfk-convention.de)



Composite Lightweight  
Construction

REGISTRATION  
A-M

www.cfk-

In Cooperation with



**Niedersachsen**

[www.innovatives.niedersachsen.de](http://www.innovatives.niedersachsen.de)

[www.cfk-convention.com](http://www.cfk-convention.com)