

AUTOMATED COMPOSITE PROCESSING

TECHNOLOGY CONFERENCE
TRADE SHOW
EXCURSIONS
FOR THE EUROPEAN COMPOSITE INDUSTRY

FILAMENT WINDING
CENTRIFUGAL CASTING

PULTRUSION
PULWINDING
PULMOULDING

TAPE LAYING
SHEET LAMINATING

20-22 October 2004

Industriepark
Oberbruch
Germany



Coinciding
with
K-2004 Düsseldorf



Photo: EPTA Files

hosting also **EPTA**
Annual Members Meeting



NEW TECHNOLOGY EVENTS

AUTOMATED COMPOSITE PROCESSING

The European Technology Meeting for the Long Fibre Composite Industry

Hardware Design

Processing long fibre-reinforced composites by methods such as: filament winding, pultrusion, pulwinding, tape-laying and alike processing technologies have become a well-accepted method within the composite industry. Regular advancements have been made over the years in hardware design. Today various specialized manufacturers offer fully engineered equipment. Turnkey plants are even offered, including mould or dies for engineered products and systems.

Software

An even more important factor for a successful technology leap was the introduction and acceptance of software programs specially designed for automated long fibre processes. Also special designed measuring sensors, feelers and auxiliary testing apparatus facilitates operating a modern and well-equipped automated composite processing plant.

SITE VISITS *)

Enka - Repairs of viscose filaments
Kuag Oberbruch - Production of polyester granulates
Owens Corning Research Center - Glassfiber manufacturer
Siemens Rail Test Center - Most modern test center for rail engineering in the world

Tenax carbon fibre plant - Carbonfiber manufacturer

*) Delegates are subject to approval to visit these companies.

EXHIBITS (Registered at time of publication)

ACM GmbH, Markdorf, Germany
Bolenz & Schäfer/EHA GmbH, Steffenberg, Germany
Composed With Composites Initiative, the Netherlands
EPTA, Leusden, the Netherlands
Oberbruch Conference Center, Oberbruch, Germany

THE AUDIENCE

The audience will consist of representatives of International Companies active in Processing Long Fibre Composites.

Emphasis will be on the following industries:

- * Continuous Sheet Laminating
- * Filament Winding,
- * Centrifugal Casting
- * Pultrusion + Pulwinding + Pulmoulding
- * Tape laying
- * Tape winding



Photo: Magnum Venus

COINCIDING WITH K-EXHIBITION

The conference is planned in the same week as the Worlds biggest Plastics Show, the K-Exhibition in Düsseldorf, Germany. Over 2500 exhibitors show the latest advancements in thermoplastic processing. Composite Processing Equipment Manufacturers decided some years ago no longer to exhibit at the K-Exhibition. However many Composite Processors still visit the K-Exhibition. Consequently there is room for a special coinciding event to allow visitors to inform themselves of the latest technology developments.

Bus services are offered by Brisk Events to the K-Exhibition.

VENUE OBERBRUCH INDUSTRIEPARK

The Trade Show and Conference are held at the Oberbruch Industriepark Conference Center. The Industriepark Oberbruch houses many technological companies, such as Enka, Kuag Oberbruch and Tenax. The park is conveniently located near Düsseldorf and the borders of the Netherlands and Belgium. It is therefore a prime location for this event.

A limited number of shell scheme spaces (2 x 3 meter) is available. Exhibitors must provide their own display materials. A table (180 x 90 cm) will be furnished by the organizers together with an electrical powerpoint 240 volts. Floorplan is available on request.

Organizer Brisk Events - Technology Conferences



NEW TECHNOLOGY EVENTS

Brisk Events Technology Conferences takes up the challenge and introduces a special one day Conference, with Trade Show and three Factory and one Test Center Excursions on the advancements in production equipment and software engineering for this market segment.

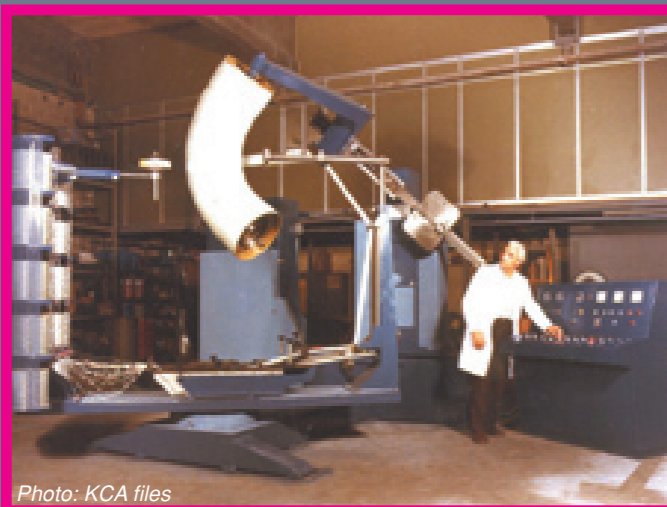


Photo: KCA files

AUTOMATED COMPOSITE PROCESSING CONFERENCE - EXHIBITION - EXCURSIONS - PROGRAMME 20-21-22 October 2004, Oberbruch, Germany

Tuesday, 19 October 2004

Bus service from Düsseldorf Airport to Conference Hotels
(Registered delegates receive details)

CONFERENCE & TRADE SHOW Wednesday, 20 October 2004

09.00 Busses from hotels to Oberbruch location
Trade Show opening

Session 1 - Filament winding - Centrifugal casting

Filament winding: A Worldwide Overview
John Green, GSG, Inc., USA

Fully Automatic Filament Winding Production Systems
Johannes Weg, Bolenz & Schäfer / EHA GmbH, D

Filament Winding with Carbon Fibers
Günther Kautz, FWT Wickeltechnik GmbH, A

Coffee break

Session 2 - Thermoplastics in continuous processes

Continuous Compression Moulding of Thermoplastic Composites
Ulrich Spelz, ACM GmbH, D

Tape laying applications for composite structures
To be announced

12.30 Lunch, visit to Trade Show

Session 3 - Continuous pulwinding and pultrusion

How to set up a successful pultrusion line
Stephen Stiff, Pultrex Ltd., UK

Design and test requirements for composites in Aerospace
Matti Suominen, Exel Oyj, FIN

Tea/coffee break

Session 4 - Material technologies for continuous processing

UV Curing: An Automated Composites Processing Solution
Susan Mitchell, Fusion UV Systems, Inc., USA

E-CR Glass Fiber Unmatched Corrosion Resistance and more, benefits in automated composites processing
Mark Williams, Fibrex Glass Corporation, Canada

Transonite automated composite panels production
Grant Godwin, Martin Marietta Materials, USA (Request)

Drinks at the Trade Show

19.00 Dinner at local restaurant
Busses to hotels

EXCURSIONS & TRADE SHOW Thursday, 21 October 2004

Bus to K-Exhibition/ Düsseldorf Airport

08.00 **Owens Corning Research Center *)**
Battice, Belgium (Conference delegates only)

09.00 **Coinciding: EPTA Members Meeting**
(EPTA members only, see information below)

13.00 Lunch, visit to the Trade Show

Tenax, carbon fibre production *)
Oberbruch, Germany

Kuag Oberbruch, polyester fibres production *)
Oberbruch, Germany

Enka, viscose fibres production *)
Oberbruch, Germany

Bus back to hotels or Düsseldorf

EXCURSION Friday, 22 October 2004

10.00 **Siemens Rail Test Center *)**
Wegberg-Wildenrath, Germany

Bus to Düsseldorf, to K-Exhibition or Airport



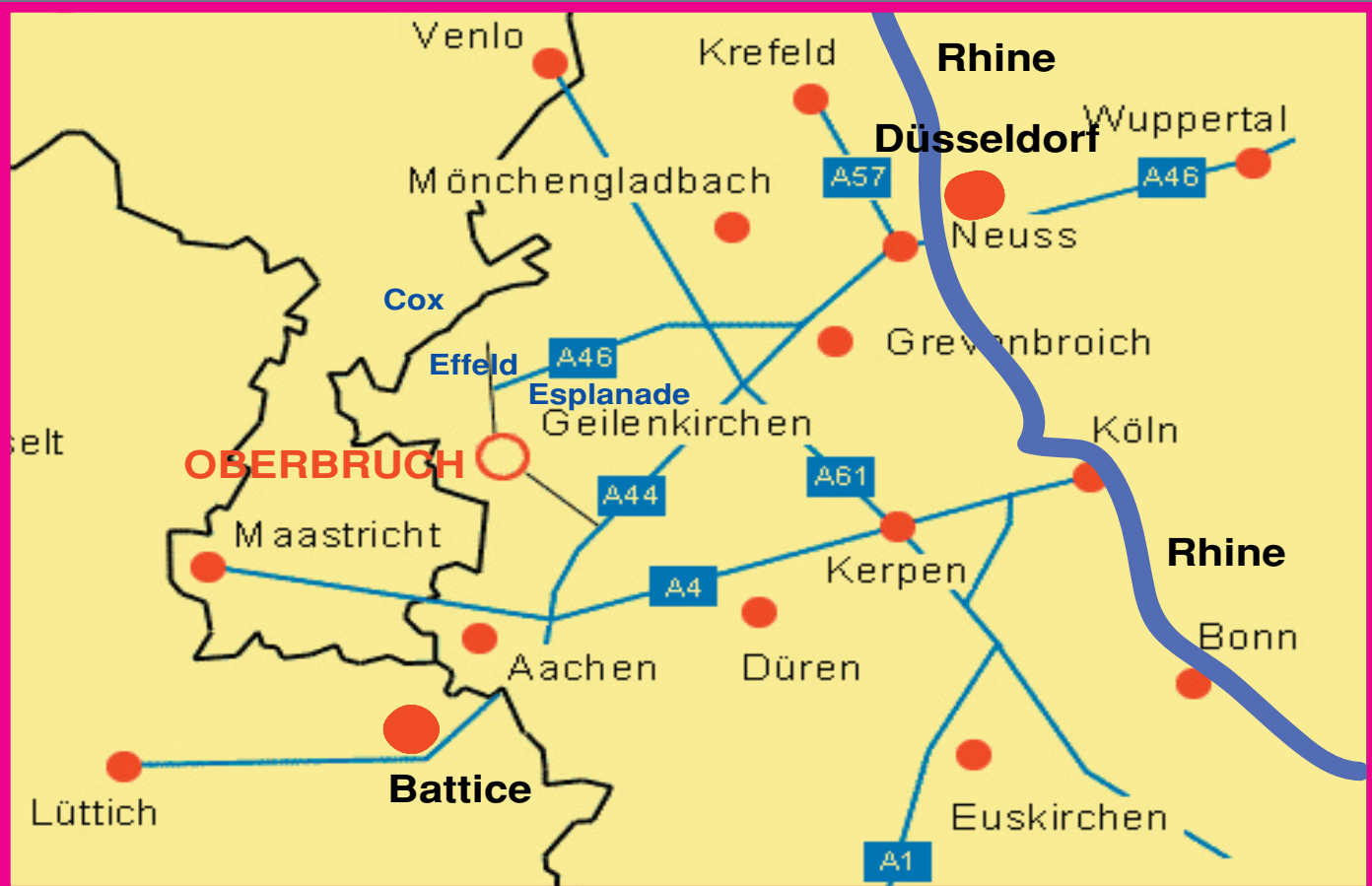
Photo: Siemens

EPTA European Pultrusion Technology Association (Members only - separate program)

The EPTA Annual Members Meeting will be held on Thursday morning October 21st at Oberbruch Industriepark Conference Center.

EPTA Members can register for the members meeting, the site visits at the Oberbruch Industriepark and the Siemens Test Center for Euro 195,-, this includes site visits, lunch and attendance of meeting, 21st and 22nd of October.

EPTA members can also attend the 3rd and 4th session of the conference on the 20th of October and the above mentioned programme for just Euro 295,-.



TO PARTICIPATE

Delegates will receive the following benefits:

- Free bus-service from and to Oberbruch to Düsseldorf Airport and/or K-Exhibition
- Participate in all sessions
- Receive a Conference Syllabus
- Receive Exhibitors information
- Participate in 4 factory excursions (subject to approval)
- All meals and drinks
- Low cost pre-booked guaranteed hotel accommodation

HOTEL ACCOMMODATION

Brisk Events has pre-booked a limited number of hotel rooms near the Oberbruch venue. During the K-Exhibition very limited hotel rooms are available within a large area around Düsseldorf. It is therefore advisable to register and book early by filling out the enclosed Registration Form.

Do not take any risks if you wish to combine a visit to the K-Exhibition and participate in this event.

Hotel Esplanade*** Euro 57,-
Friedrich-List-Allee 9, Wegberg-Wildenrath, Germany
<http://www.hotel-esplanade-wildenrath.de>

Landhotel Cox**** Euro 95,-
Maalbroek 102, Roermond, the Netherlands
<http://www.landhotelcox.nl>

Landhaus Effeld*** Euro 51,-
Dorfstasse 9, Wassenberg-Effeld, Germany
<http://www.landhaus-effeld.de>

HOTEL RESERVATIONS ARE GUARANTEED ONLY IF MADE BEFORE OCTOBER 1ST, 2004.

HOW TO REGISTER

For registration use the Registration Form enclosed.

A confirmation and invoice of conference participation and hotel booking will be send by fax and mail.

Three day delegate fee - conference & 4 excursions

Three day delegate	Euro 350,-
Exhibition stand + 1 delegate	Euro 650,-
Speaker fee	Euro 175,-

One day delegate fee - conference only

Conference only (20th October)	Euro 275,-
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VAT/MWS - Reversed charge, paragraph 13b UStG

Brisk Events

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MORE INFO AT WWW.BRISKEVENTS.NL



Pultrusion technology in Europe
Major area of growth in Automated
Composites Processing Photo: EPTA Files



NEW TECHNOLOGY EVENTS