



**Bau 2003**  
15th International Trade Fair for  
Building Materials, Building  
Systems, Building Renovation

In cooperation with the new Munich Trade Fair Centre the 21st international symposium on bonding technology "Joining Techniques in the Building Construction Industry" will take place for the first time in the course of the "Bau 2003".

The participants of this symposium will have the unique chance to get theoretically and practically oriented information on newest developments and trends in the building construction industry by visiting highly qualified papers and by contacting the numerous exhibitor companies (1831 exhibitors from 40 countries in 2001!). This broad communication platform and the increased number of sessions in 2003 will contribute to use the advantages of the bonding and sealing technology on a larger scale than today in the building construction industry.

Moreover, we want to give you some ideas and help you in developing new processes and applications at our own fair stand in the foyer of the "Bau 2003". There everyone can have a look at future trends and new technologies in the building construction industry.

We invite and request suppliers and users of joining and sealing techniques in the building construction industry to form this symposium with us. The aim of this forum is not only to push the bonding and sealing technology but also the bonding and sealing in civil engineering as a whole to give new impulses for economic and fail-safe building.

Please fax to +49 (0)89 32947969 or send to the Institut für Fügetechnische Fertigungsverfahren, Garching.

We hereby want to register bindingly in compliance with the conditions of participation for the

## 21st International Symposium on Bonding Technology January 13-14, 2003

Address of company/invoice address

Participant(s)

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Date, Signature: \_\_\_\_\_

Terms of cancellation: The cancellation of the registration has to be in written form and is free of charge until 10 workdays before the symposium starts. After that date 30% of the symposium fees have to be paid. If the registration is cancelled until 3 workdays before the symposium starts the whole amount of fees has to be paid. At any time it is possible to register another person instead.

## Target groups/Organisation

### Target groups:

Architects, civil engineers, craftsmen, planners, stress analysts, designers, modernisers, reconstructors, chemists, application engineers, purchasers of material, safety engineers, official experts, constructors, master builders and carpenters as well as all experts who are concerned with bonding and sealing in building construction industry

### Place:

International Congress Center Munich (ICM) of the New Munich Trade Fair Center, Saloon 5

### Congress fee:

520,00 per person plus VAT  
Price reduction of 100,00 for university members  
100,00 for students plus VAT ( limited numbers )

Price reduction of 10 % for registration until December 1st, 2002  
Fees include detailed proceedings, a permanent ticket for the Bau 2003, 2 lunch buffets, 1 dinner as well as beverages at breaks.

### Registration:

With the appended registration coupon at the

IFF Institut für Fügetechnische  
Fertigungsverfahren  
Gutenbergstraße 25  
D-85748 Garching

Phone.: +49 (0)89 32 94 79 6 - 0

Fax: +49 (0)89 32 94 79 6 - 9

Email: [info@iff-gmbh.de](mailto:info@iff-gmbh.de)

[www.iff-gmbh.de](http://www.iff-gmbh.de)

### Overnight stays/Hotels:

We recommend an early hotel registration. You will find a suitable hotel at [www.bau-muenchen.de](http://www.bau-muenchen.de). If you have any problems please do not hesitate to contact us.



Professor  
Dr. Klaus Dilger,  
TU Braunschweig



Dr. Christian Lammel,  
IFF GmbH, Garching



Rudolf Hinterwaldner,  
Hinterwaldner Consulting  
& Partner (GbR)



Kurt Franz,  
LHK e.V., Rosenheim



## 21st International Symposium on bonding technology

## Joining Techniques in the Building Construction Industry

Experiences  
Products  
Achievements  
Techniques  
Environment  
Trends

### Organisers:

IFF GmbH  
Institut für  
Fügetechnische  
Fertigungsverfahren  
Gutenbergstraße 25  
85748 Garching  
Phone: +49 (0)89 3294796-0  
Fax: +49 (0)89 3294796-9  
Email: [info@iff-gmbh.de](mailto:info@iff-gmbh.de)  
[www.iff-gmbh.de](http://www.iff-gmbh.de)

Hinterwaldner Consulting  
& Partner (GbR)  
Marktplatz 9  
85614 Kirchseeon  
Phone: +49 (0)89 91 / 5399-0  
Fax: +49 (0)89 91 / 5399-20  
Email: [HiwaConsul@aol.com](mailto:HiwaConsul@aol.com)

Lehrstuhl für  
Schweißtechnik/Fügetechnik  
Technische Universität  
Braunschweig  
Langer Kamp 8  
38106 Braunschweig  
Phone: +49 (0)531 / 391-7821  
Fax: +49 (0)531 / 391-5834  
Email: [k.dilger@tu-bs.de](mailto:k.dilger@tu-bs.de)  
[www.tu-braunschweig.de](http://www.tu-braunschweig.de)

LHK Lehrinstitut der  
Holzwirtschaft und  
Kunststofftechnik e.V.  
Kupferlingstraße 66  
83024 Rosenheim  
Phone: +49 (0)8031 / 2185-0  
Fax: +49 (0)8031 / 16344  
Email: [info@lhk.de](mailto:info@lhk.de)  
[www.lhk.de](http://www.lhk.de)

Monday/Tuesday  
January 13- 14,  
2003

New Munich Trade Fair Center

## Monday, January 13, 2003

11.30 am	Plenary lecture Bonding in building construction - the joining technique of the future? Hermann Regensburger, Permanent Secretary of the General Internal Administration (invited)
01.00 pm	Lunch buffet
	SESSION 1: STRUCTURAL JOINING TECHNIQUES WITH THE EMPHASIS ON BONDING TECHNOLOGY
02.00 pm	Fasteners and connections with bonded anchors and post-installed rebars Prof. Dr.-Ing. Rolf Ellegehausen, Dipl.-Ing. Isabelle Simons, Institut für Werkstoffe im Bauwesen, TU Stuttgart
02.30 pm	Chemical fastenings for dynamic loading Dr. Jakob Kunz, Corporate Research, Hilti AG, Schaan, Fürstentum Liechtenstein
03.00 pm	Force transmitting filling of wet and water filled cracks in concrete structures by means of crack injection with newly developed epoxy resins Prof. Dr.-Ing. Klaus Peter Grosskurth, Institut für Baustoffe, Massivbau und Brandschutz, TU Braunschweig
03.30 pm	Structural adhesives for the restoration and assembling of timber structures Paolo Lavisci, LegnoDOC srl, Florence, Italy
04.00 pm	Coffee break
04.30 pm	With locking agents precoated fasteners in the construction and steel-framed building construction Dipl.-Ing. Axel Hertneck, Omnitechnik Mikroverkapselungsges. mbH, München
	SESSION 2: BONDING AND SEALING
05.00 pm	Elastic adhesive systems for modern construction materials for floors, facade claddings and roofs Dipl.-Ing. Ralf Heinzmann, Sika GmbH, Bad Urach
06.00 to 08.00 pm	Dinner "Bavarian Style" with opportunity for active discussions

## Tuesday, January 14, 2003

	SESSION 2: (CONTINUATION) BONDING AND SEALING
09.00 am	Recent developments in MS POLYMER technology Dr. Peter Gebous*, Soudal NV, Belgien-Turnhout, Dr. Hans Sattlegger
09.30 am	Bonding in interior work Volker Aderhold, Dyckerhoff Sopro GmbH, Wiesbaden
10.00 am	Coffee break
	SESSION 3: MODERN PROCESS TECHNOLOGY
10.30 am	CFRP tendons in bridge construction Professor dipl.-Ing. ETH/SIA Urs Meier, Director EMPA, CH-Dübendorf
11.00 am	Technical textiles in joining technology of woodwork Professor Dr.-Ing. Peer Haller, Professur für Ingenieurholzbau und baukonstruktives Entwerfen, TU Dresden
11.30 am	Textile reinforced concrete - technology and applications Professor Dr.-Ing. Thomas Gries, Dipl.-Ing. Marijan Barle, Dipl.-Ing. Annette Kolkman, Dipl.-Ing. Andreas Roye, Institut für Textiltechnik, RWTH Aachen Optimization of the textile-reinforced concrete by a poly- meric phase Professor Dr.-Ing. Klaus Dilger, Dr.-Ing. Stefan Böhm, Dipl.-Ing. Marc Ullmann, Dipl.-Ing. Frank Mund, Lehrstuhl für Fügetechnik, TU Braunschweig
12.30 pm	Lunch break
	SESSION 4: APPLICATIONS AND EXAMPLES
01.30 pm	Modern connections for steel structures and new hybrid connections Professor Dr.-Ing. Gerhard Sedlacek, Lehrstuhl für Stahlbau, RWTH Aachen

## Tuesday, January 14, 2003

02.00 pm	Reinforcement of parts with CRP- or steel-segments Richard Laumer, Laumer Bautechnik GmbH, Massing
02.30 pm	Structural bonding in the construction industry - bonding of a composite bridge structure Dr. Hartwig Lohse, Ashland-Drew Ameroid Deutschland GmbH, Itzehoe
03.00 pm	Coffee break
	SESSION 5: TESTING METHODS, QUALITY ASSURANCE, EDUCATION
03.30 pm	Bonding armouring - developments of design criteria and processes Professor Dr.-Ing. Konrad Zilch, Dipl.-Ing. Gerhard Zehetmaier, Dr.-Ing. Roland Niedermeier, Lehrstuhl für Massivbau, TU München
04.00 pm	Finite-Element-Analysis of adhesive bonded windshields in automotive engineering and structural gla- zing elements in civil engineering - a comparison Dr.-Ing. Gerhard Schmöller, Dipl.-Ing. Thorsten Böger, Immersive SIM Engineering GmbH, München
04.30 pm	Closing session and end of presentation

IFF GmbH

Institut für Fügetechnische  
Fertigungsverfahren  
Gutenbergstraße 25

D-85748 Garching