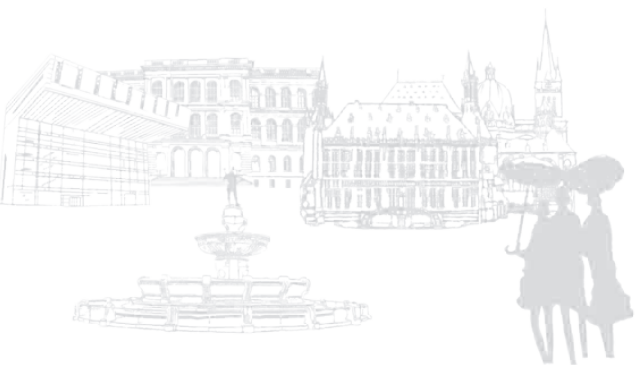


7th International
Fluid Power Conference
Aachen

„Efficiency through Fluid Power“



Invitation

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Welcome to the 7th IFK

The 7th International Fluid Power Conference (IFK) will be held in Aachen from 22nd to 24th March, 2010. It is one of the world's most significant scientific conferences on fluid power and offers users, manufacturers, and scientists an international forum for exchange of experiences in the area of hydraulic as well as pneumatic drive and control systems.

Fluid power as base of drive and automation technology in mobile and industrial applications faces an ever-growing economical and environmental responsibility. In times of uncertain business conditions and a shortage of natural resources, topics such as energy efficiency and recuperation pose a challenge to the fluid power industry.

We cordially invite you to take part in the 7th IFK in order to be informed about the newest innovations in the field of fluid power. You can expect an exciting and informative conference with presentations of scientific papers, a scientific poster session and an exhibition.

Further information: www.ifk2010.de

Programmausschuss / Programme Committee

Achten, P.	Dr. ir., INNAS B.V., Breda, NL
Bauer, F.	Dr.-Ing., HYDAC International, Sulzbach
Boes, C.	Dr.-Ing., Moog, Böblingen
Bootz, A.	Dr.-Ing., BMW, München
Duffner, E.	Dr. rer. nat., Arburg, Lossburg
Feuser, A.	Prof. Dr.-Ing., Bosch Rexroth, Lohr
Fischer, M.	Dr.-Ing., Argo-Hytos, Kraichtal
Goedecke, W.-D.	Prof. Dr.-Ing. habil., GAS-Automation, St. Georgen
Hahmann, W.	Dr.-Ing., Society of Advancement for Fluid Power, Aachen
Harms, H.-H.	Prof. Dr.-Ing., TU Braunschweig
Helduser, S.	Prof. Dr.-Ing., TU Dresden
Hofmann, P.	Prof. Dr.-Ing., Bürkert, Ingelfingen
Hunger, I.	Lic. oec. HSG, Hunger DFE, Würzburg
Knobloch, M.	Dipl.-Ing., HAWE Hydraulik SE, München
Kunze, T.	Dr.-Ing., Bosch Rexroth, Elchingen
Lindemann, L.	Dr.-Ing., Fuchs Petrolub, Mannheim
Murrenhoff, H.	Prof. Dr.-Ing., RWTH Aachen University
Pfab, H.	Dr.-Ing., Liebherr, Bischofshofen, Austria
Post, P.	Dr.-Ing., Festo, Esslingen
Roosen, K.	Dr.-Ing., Parker Hannifin, Kaarst
Saffe, P.	Dr.-Ing., Bosch Rexroth, Laatzen
Schnur, F.	Dipl.-Ing., Norgren, Fellbach
Skirde, E.	Dipl.-Ing., Sauer-Danfoss, Neumünster
Synek, P.	Dipl.-Ing., VDMA, Frankfurt am Main
Weber, J.	Dr.-Ing., CNH Baumaschinen, Berlin
Welschof, B.	Dr.-Ing., Linde Material Handling, Aschaffenburg
Wennmacher, G.	Dr.-Ing., Liebherr-Aerospace, Lindenberg

International Advisory Committee (IAC)

Backé, W.	em. Prof. Dr.-Ing. Dr. h.c. mult., RWTH Aachen University
Bideaux, E.	Prof. Dr., INSA, Villeurbanne Cedex, France
Ivantsynova, M.	Prof. Dr.-Ing., Purdue University, West Lafayette, USA
Lu, Yong Xiang	Prof. Dr.-Ing. Zhejiang University, Hangzhou, P. R. China
Palmberg, J.-O.	Prof., Linköping University, Sweden
Plummer, A.	Prof., University of Bath, UK
Stelson, K.	Prof., University of Minnesota, Minneapolis, USA
Takahashi, K.	em. Prof., Sophia University, Tokyo, Japan
Vilenius, M.	Prof. Dr., University of Technology, Tampere, Finland

Workshop

The IFK starts with a scientific workshop providing a basis for fundamentals and interactive demonstrations on Monday 22nd March, 2010. The workshop will take place at the Kármán-Forum of RWTH Aachen University and will be held in English. You may only attend the workshop in connection with the conference.

The topics of the sessions are:

- Mobile Hydraulics and Mobility
- Pneumatics
- New Applications
- Simulations
- Tribology and Fluids
- Fundamentals
- Automation and Control
- Valves
- New Measuring Methods

The workshop office in the Kármán-Forum will be open from 8.00 a.m. Conference proceedings can be picked up there.

Conference

The conference on 23rd and 24th March, 2010, takes place at the Eurogress Aachen. The presentations will be given in English as well as in German. The German presentations will be interpreted into English.

The Tuesday topics are:

- Mobile Hydraulics
- Tribology and Fluids
- New Applications

The Wednesday topics are:

- Industrial Hydraulics
- Pneumatics
- Automotive
- Automation and Control
- Simulation / Fundamentals

Scientific Poster Session

Further outstanding development and research work will be presented to the conference participants in a scientific poster session. The poster session takes place in parallel with the conference in the Eurogress. It is structured in accordance with the conference topics.

Exhibition and Poster Session

There will be a professional exhibition and poster session in the lobby of the Eurogress throughout the conference.

Main topics include:

- Fluid Power Accessories
- Measuring and Testing Technology
- Hardware and Software for Digital Signal Processing
- Simulation of Fluid-Power Components and Systems
- Literature

A catalogue covering the exhibition will be available during the conference.

Visit of the IFAS Laboratory

The experimental and test facilities of the Institute for Fluid Power Drives and Controls (IFAS) will be open to visitors on Tuesday, 23rd March and Wednesday, 24th March. Institute staff will be available to demonstrate the test benches.

The main topics include:

- Tribology and Fluid Analysis
- Pump and Motor Technology
- Valve Technology and Mechatronics
- System Engineering and Control Technology
- Pneumatics

A detailed list of the IFAS experimental and test facilities will be available at the conference office during the conference.

There will be a shuttle bus service between the Eurogress conference centre and the IFAS laboratory.

Excursion

To get an insight into everyday's business life of two international companies and scientific institutes, a two-day excursion following the conference is offered to interested participants.

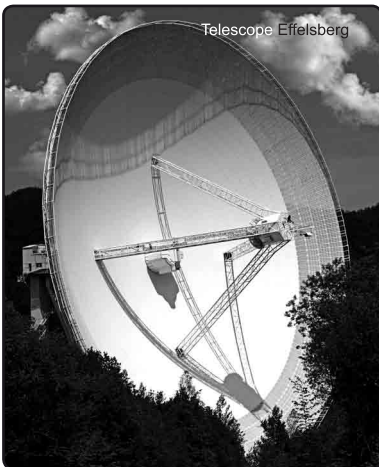
Thursday, 25th March 2010 / **VOITH** Paper Krefeld

We will leave Aachen at 9.00 a.m. Voith Paper is one of the leading manufacturers of paper machines where we will arrive at 10.00 a.m. Calenders, winders, and handling machines for paper-tambour are manufactured in Krefeld. After a company presentation we will be guided through the production and assembly lines.

Ford Köln

The Fiesta factory in Cologne-Niehl is one of the most efficient car factories in Europe. In addition to the Fiesta and Fusion assembly, the plant produces engines, transmissions, forging and cast parts. We will attend a two-hour plant tour through the car assembly. We will return to Aachen at about 5.00 p.m.

Friday, 26th March 2010 / Telescope Effelsberg



With a diameter of 100 meters, the radio telescope in Effelsberg is one of the largest fully steerable radio telescopes on earth. We will take a guided tour and hear a presentation. Our return to

Aachen will be approximately at 2.00 p.m.

To participate at the excursion you need to register until **1st February, 2010**.

Cultural Programme

Tuesday, 23rd March 2010

Haus der Geschichte of the Federal Republic of Germany

Since its opening in June 1994, the Haus der Geschichte has displayed contemporary German history from 1945 to present day. You will find over 6,000 objects and documents of post-war Germany ranging over 4,000 square meters of space across five exhibit levels. Within a guided tour into the past you will experience the work of the “Trümmerfrauen”, the years of the economic miracle, the student movement of the '68 the German reunification, and a lot more.

Palais Schaumburg – Second residence of the German Chancellor Bonn

After a common lunch a visit of the Palais Schaumburg is offered.

On 5th November, 1949, Konrad Adenauer declared the Palais the official residence of the German chancellor. Up to 1976 all chancellors officiated the affairs of state in the building that was built in 1860. Afterwards the Palais served for representative purposes before it was appointed as the second residence of the chancellor in Bonn in the year 2000.

During a guided tour you will gain insight into the every day work of the Chancellors from Konrad Adenauer to Helmut Schmidt.



Meeting point: 9.00 a.m., Eurogress Aachen
 End of tour: about 4.30 p.m.
 Deadline of registration: 1st February 2010

Cultural Programme

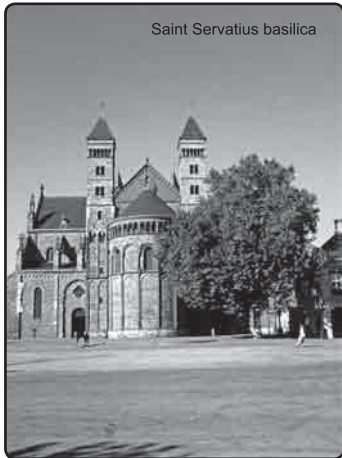
Wednesday, 24th March 2010

Guided tour of Maastricht

Discover one of the oldest cities of the Netherlands with the help of an experienced tourist guide. The guided tour starts at the historic centre of the city, guides you through ancient battlements, the municipal park and of course to the internationally known central place Vrijthof. Besides different museums, the Saint Servatius basilica and the Saint Johannis church are located at this place.

After a joint lunch a visit of the Saint Servatius basilica is offered. Enjoy a historic walk through the impressive basilica and have a look at the treasury and a lot of religious work of art from the 6th century on.

Alternatively it is possible to finish your visit in Maastricht by a shopping expedition at the partially roofed Stokstraat district or by a visit of the old town.



Meeting point:	9.00 a.m., Eurogress Aachen
End of tour:	about 4.30 p.m.
Deadline of registration:	1 st February 2010

Conference Organisation

General

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 general@ifk2010.de

Papers

Christian Riedel


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Exhibition

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Contact Details

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Eurogress Congress Centre

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Aachen Tourist Service

Postfach 10 22 51, 52022 Aachen, Germany

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 +49 (0) 241 / 18 029 30

 incoming@aachen-tourist.de

www.aachen-tourist.de

Registration

If you wish to attend the 7th IFK, please fax the completed registration form to the Institute for Fluid Power Drives and Controls (IFAS). In case you want to register more than one participant, please use a separate registration form for each person.

Attendance Fees

The following fees will be charged:

Workshop

Only in connection with the conference € 40,-

Conference

Participant:	2 Days	€ 660,-
.....	1 Day	€ 495,-
Ph.D. student:	2 Days	€ 330,-
.....	1 Day	€ 230,-

The fees include:

- Conference proceedings
- Lunches
- Opening evening event, conference banquet and laboratory party
- Admission to exhibition and IFAS laboratory, shuttle bus
- Refreshments during breaks

Excursion

Not including hotel, per person € 75,-

Evening Events

Guest at the banquet € 60,-

Cultural Programme

Per day, per person € 40,-

- Please do not make any payment until you have received confirmation of your registration together with an invoice.

Cancellation

If you are unable to attend and wish to cancel your registration, cancellation must be made in writing. In case your cancellation is received before **1st February, 2010**, the attendance fee will be reimbursed minus an administrative fee of € 50,-.

Please note that no reimbursement will be made for cancellations received after this date.

Catalogues

A directory of the participants and a catalogue covering the professional exhibition and the tour of the institute will be available from the conference office during the conference. To get included in the participants' directory, registration until **15th January, 2010** is required.

Interpretation

- The conference lectures held in German language are marked with a (T). They will be interpreted into English.
- Headphones are available from the conference office.

Lunch

Lunch will be provided on all days.

Costs are included in the attendance fee.

Opening Hours Conference Office

Monday, 22nd March, 2010

Kármán-Forum 8.00 a.m. - 6.00 p.m.

Eurogress 7.30 p.m. - 10.00 p.m.

Tuesday, 23rd March, 2010

Eurogress 8.00 a.m. - 6.30 p.m.

Wednesday, 24th March, 2010

Eurogress 8.00 a.m. - 6.30 p.m.

Shuttle Bus

A shuttle bus service will be provided between the Eurogress and the IFAS laboratory. Departure times will be as follows:

Tuesday, 23rd March, 2010

From Eurogress 12.00 p.m. to 6.30 p.m.

From IFAS laboratory 12.30 p.m. to 7.00 p.m.

Wednesday, 24th March, 2010

From Eurogress 9.30 a.m. to 7.00 p.m.

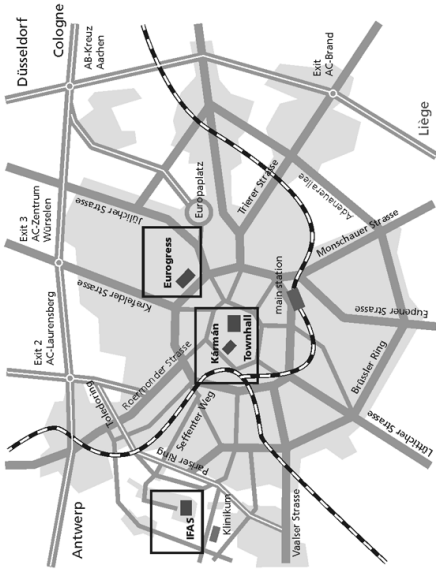
From IFAS laboratory 10.00 a.m. to 11.00 p.m.

Hotel Reservation

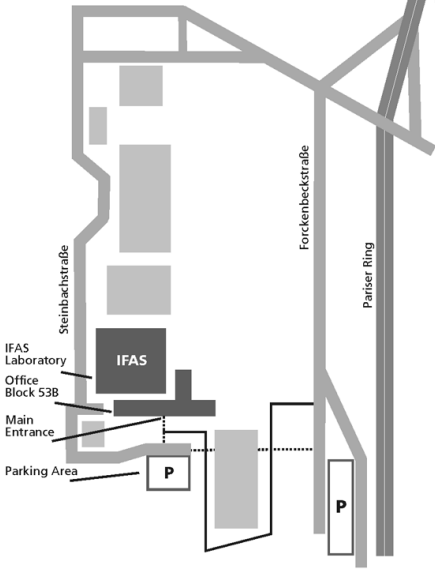
Kindly mail the hotel reservation form directly to the Aachen tourist service. We recommend an early reservation. An online hotel reservation will be possible using the following homepage:

www.aachen-congress.de/hotels/ifk2010

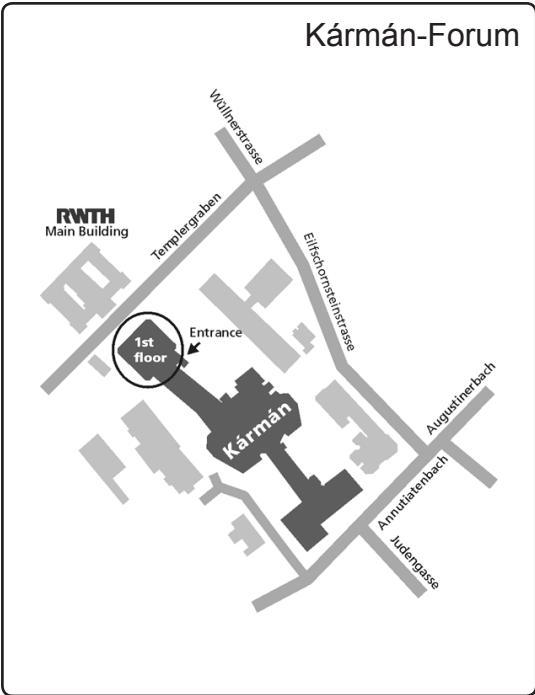
Aachen



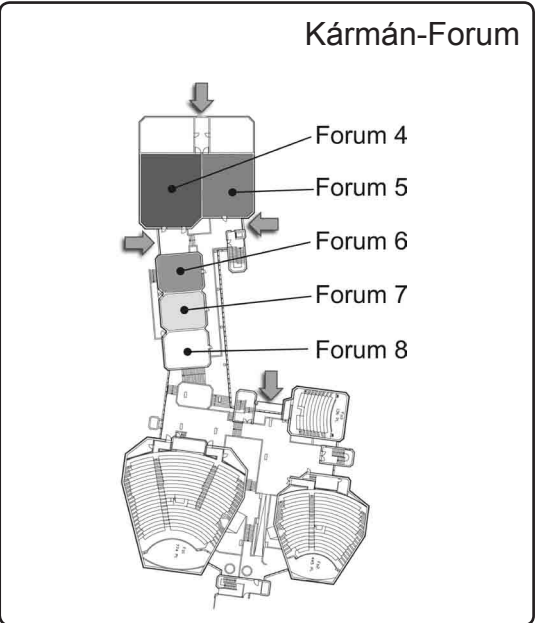
IFAS



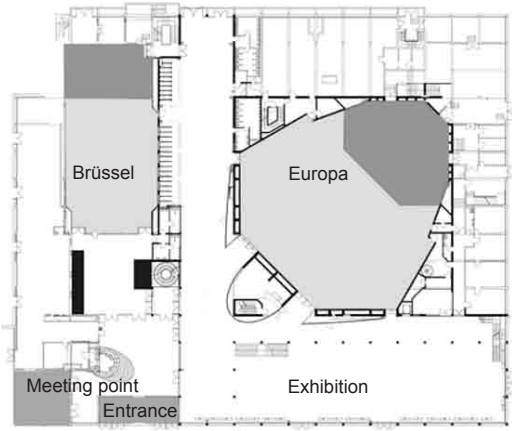
Kármán-Forum



Kármán-Forum

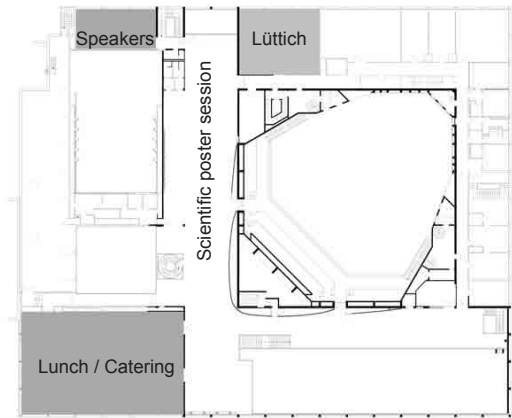


Eurogress



Erdgeschoss / Ground floor

Eurogress



Obergeschoss / First floor

