

## Fax Response

+49 8024 9054 17

- ☐ I will attend the Workshop (1 – 3 June 2005)
- ☐ I will attend the Short Course (31 May 2005)
- ☐ I cannot attend but would like to receive information on the Workshop & Short Course
- ☐ I will attend the Workshop and present a paper with the following title:

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Name .....

.....

Affiliation.....

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Address .....

.....

.....

Telephone.....

Fax .....

Email .....

Date .....

Signature.....

Please complete one registration form per participant

## Conference Information

### Languages

The conference languages will be German and English. Presentation slides should be in English.

### Conference Location

Forschungszentrum Rossendorf  
Bautzner Landstraße 128  
01328 Dresden, Germany

### Accommodation:

hotel ibis  
Prager Str., 01069 Dresden, Germany  
Tel: +49 351 4856 388, Fax: +49 351 4856 6661  
Email: [hotel-bastei@ibis-dresden.de](mailto:hotel-bastei@ibis-dresden.de)  
Web: [www.ibishotel.com](http://www.ibishotel.com)

We have booked a contingent of rooms for 75 € per night including breakfast. This special price can only be guaranteed for reservations made by

**23 May 2005**

Please refer to the “MPF-Workshop” when making your reservation.

Alternative accommodation can be found at:  
[www.hrs.de](http://www.hrs.de) & [www.ehotel.de](http://www.ehotel.de)

ANSYS Germany GmbH  
Staudenfeldweg 12  
83624 Otterfing, Germany  
Tel: +49 8024 9054 0  
Fax: +49 8024 9054 17  
Email: [cfx-info-germany@ansys.com](mailto:cfx-info-germany@ansys.com)  
Web: [www.ansys.com](http://www.ansys.com)

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Bautzner Landstr. 128  
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Web: [www.fz-rossendorf.de](http://www.fz-rossendorf.de)



## Invitation and Call for Papers

# Multiphase Flows Simulation, Experiment and Application

Forschungszentrum Rossen-  
dorf



ANSYS Germany



supported by

Alliance for Competence in Nu-  
clear Technology Germany



31 May – 3 June 2005  
Rossendorf

## Workshop

Multiphase flows are of great interest to a large variety of industries. The power generation, nuclear reactor technology, food production, chemical process, aerospace and automotive industries are all driving forces in this complex field.

The goal of the workshop is to bring together experimental and numerical practitioners, and foster discussion and exchange of knowledge.

Experts from both areas are called upon to present their research and application results to a receptive worldwide audience. Topics of interest include:

Phase interaction models

Turbulence models for multiphase flows

CFD applied to multiphase flow problems

Measurement methods for multiphase flows

Accuracy and resolution considerations for experimental and CFD investigations

Practical application of CFD methods to multi-phase flow problems

Comparison between different numerical and experimental approaches

Papers are welcome either as full text or as presentation slides. The participants will receive the full proceedings on a CD-ROM. The proceedings will also be published on the web site of the FZ Rossendorf and as a report.

### Keynote lectures:

**M. Ishii:** "Experimental and Theoretical Characterisation of Interfacial Structure in Two-Phase Flow"

**M. Lopez de Bertodano:** "Turbulence and the Two-Fluid Model: Advances in the Past Decade"

**M. Sommerfeld:** "Detailed Modelling of Elementary Processes in Bubbly Flows on the Basis of the Lagrangian Approach"

## Short Course

The short course is designed to provide knowledge on the use of numerical and experimental methods for multi-phase flows.

The participants will receive an overview of the possibilities and limits of modern experimental methods and computational fluid dynamics (CFD). Valuable information on the applicability of CFD for your tasks will be provided.

The short course will address the interests of engineers, chemists, physicists and technicians active in research and design, who want to be informed on modern design methods and tools for multi-phase flows.

### Lecture topics:

Mathematical Models for Multiphase Flows

Eulerian Multiphase Flow: Phase Interaction Models

Lagrangian Two-Phase Flow Models

Interfacial Heat & Mass Transfer Models

Measurement Techniques and Experimental Investigations for Bubbly Flows

Practical Calculations of Bubbly Flows with CFX-5

### Lecturers:

Dr.-Ing. H.-M. Prasser, FZR

Dr.-Ing. E. Krepper, FZR

Dr.-Ing. T. Frank, ANSYS CFX

Dr.-Ing. G. Scheuerer, ANSYS CFX)

### Important dates:

15 April 2005     Deadline for submitting presentation abstracts

29 April 2005     Notification of acceptance

## Registration & Fees

Please send or fax the registration form to:

**ANSYS Germany GmbH**  
**Staudenfeldweg 12, 83624 Otterfing, Germany**  
**Tel.: +49 8024 9054 0**  
**Fax: +49 8024 9054 17**  
**E-Mail: [cfx-info-germany@ansys.com](mailto:cfx-info-germany@ansys.com)**

Please make sure to mark if you intend to participate in the Short Course. The deadline for registration and payment is

**2 May 2005**

### Fees:

#### Short Course 31 May 2005

Industrial attendees: € 320

Academic attendees: € 210

#### Conference 1 – 3 June 2005

Industrial attendees: € 185

Academic attendees: € 125

#### Package price for short course and conference

Industrial attendees: € 430

Academic attendees: € 290

Fees do not include VAT.

The conference fees include:

CD-ROM with available presentations

Coffee breaks and lunches

Dinner on 30 May 2005

Conference dinner on 1 June 2005 at Radeberg Brewery

You will receive the invoice and further information on the conference with your confirmation letter. The recommended form of payment is by bank transfer. A cancellation fee of 75 € will be charged for cancellations after 2 May 2005.