

## FAX RESPONSE

+49 6151 3644-44

- ☐ I will attend the **Short Course** (May 26, 2009)  
☐ I will attend the **Workshop** (May 27 - 28, 2009)  
☐ I will present a paper at the Workshop with the following title:

.....

.....

.....

Name .....

.....

Affiliation .....

.....

Address .....

.....

.....

Telephone .....

Fax .....

E-Mail .....

Date .....

Payment by: ☐ Credit Card ☐ Bank Transfer

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 Dresden-Rossendorf e.V.

### ACCOMMODATION

We have booked a contingent of single rooms including breakfast within different hotels. The special prices listed below can only be guaranteed for reservations made by **April 16, 2009**.

Please refer to "ANSYS" when making your reservation.

#### Ibis Hotels Dresden

Tel.: +49 351 48562000

[www.ibis-dresden.de](http://www.ibis-dresden.de) – [reservierung@ibis-dresden.de](mailto:reservierung@ibis-dresden.de)

Single room: **73,00 €** per night/breakfast

#### Park Plaza Dresden

Tel.: +49 351 8063-0

[www.parkplaza.com/dresdende](http://www.parkplaza.com/dresdende) – [ppdres@pphe.com](mailto:ppdres@pphe.com)

Single room: **79,00 €** per night/breakfast

#### Tulip Inn Dresden

Tel.: +49 351 8061-0

[www.tulipinndresden.com](http://www.tulipinndresden.com) – [info@tulipinndresden.com](mailto:info@tulipinndresden.com)

Single room: **60,00 €** per night/breakfast

### ORGANIZED BY

**ANSYS** ANSYS Germany GmbH

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Forschungszentrum Dresden-Rossendorf e.V.

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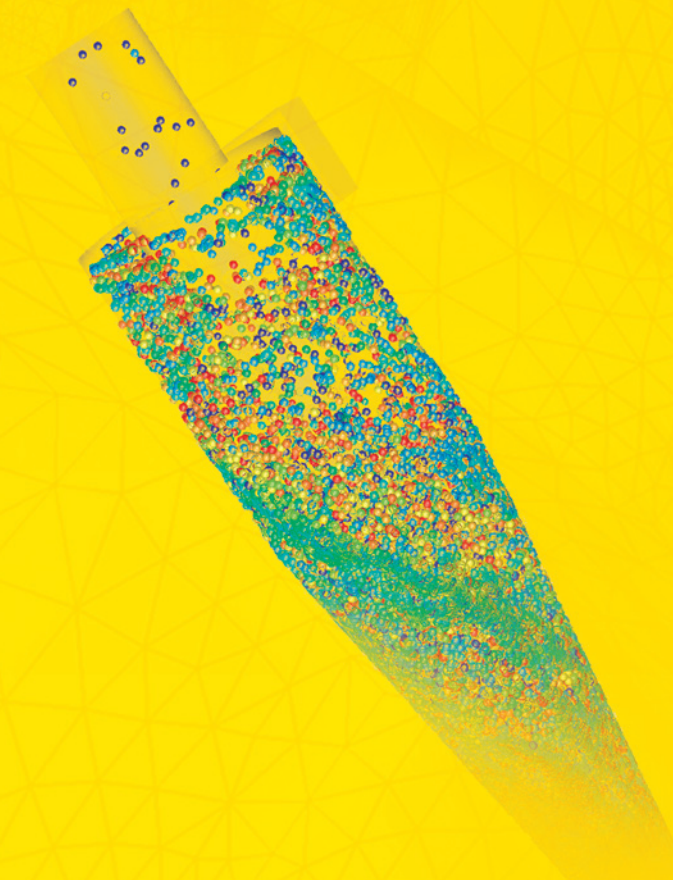
[multiphase@fzd.de](mailto:multiphase@fzd.de) – [www.fzd.de](http://www.fzd.de)

Invitation and Call for Papers

# Multiphase Flows

Simulation, Experiment and Application

**26 - 28 May 2009**  
**Dresden-Rossendorf**



Forschungszentrum  
 Dresden Rossendorf



supported by: Alliance for Competence in Nuclear Technology Germany



## WORKSHOP

## SHORT COURSE

## REGISTRATION & FEES

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

- Simulation technology for multiphase flows
  - Phase interaction models
  - Turbulence models
  - Solution algorithms
- Application of simulation methods to multiphase flow problems
- Experimental investigations of multiphase and magneto-hydrodynamic flows
- Measurement methods for multiphase and magneto-hydrodynamic flows
- Simulation and modelling of magneto-hydrodynamic flows

Papers are welcome either as text or as presentation slides. A short abstract is required by **March 17, 2009**. The participants will receive the Workshop proceedings on a CD-Rom by mail after the event.

### KEYNOTE LECTURES:

**Prof. Akio Tomiyama**

Kobe University, Japan

"Progress in Computational Bubble Dynamics"

**Prof. Dr.-Ing. habil. Jochen Fröhlich**

Technical University of Dresden, Germany

"Issues in Direct Numerical Simulation of Particulate Flows"

### IMPORTANT DATES:

March 17, 2009	Deadline for submitting presentation abstracts
April 7, 2009	Notification of acceptance

The short course is designed to provide knowledge on the use of numerical and experimental methods for multiphase 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 multiphase 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

### LECTURERS:

- Dr. Georg Scheuerer, ANSYS Germany
- PD Dr. habil. Thomas Frank, ANSYS Germany
- Dr. Eckard Krepper, FZ Dresden-Rossendorf
- Dr. Uwe Hampel, FZ Dresden-Rossendorf

### PROGRAMME HIGHLIGHT:

Alternative visit of the **ROCOM, TOPFLOW** or **CONCAST Laboratory** of the Institute of Safety Research (Institut für Sicherheitsforschung) at Forschungszentrum Dresden-Rossendorf on **Wednesday, May 27**.

**PLEASE SEND OR FAX THE SIGNED REGISTRATION FORM TO:**

#### ANSYS Germany GmbH

Birkenweg 14a, 64295 Darmstadt, Germany

Tel.: +49 6151 3644-0

Fax: +49 6151 3644-44

workshops-germany@ansys.com

Please make sure to indicate if you want to participate in the Short Course. The deadline for registration is **May 6, 2009**

### FEES:

#### Short Course, May 26, 2009

Industrial attendees: € 400

Academic attendees: € 240

#### Workshop, May 27 - 28, 2009

Industrial attendees: € 210

Academic attendees: € 150

#### Package price for Short Course and Workshop

Industrial attendees: € 550

Academic attendees: € 340

Fees do not include VAT.

#### The conference fees include:

- CD-ROM with available presentations afterwards
- Coffee Breaks and lunches
- Short Course dinner on May 26, 2009
- Evening event & conference dinner on May 27, 2009

You will receive further information on the Short Course and Workshop with your confirmation letter. The possible forms of payment are by credit card or by bank transfer. A cancellation fee of € 95 will be charged for cancellations after May 10, 2009.