

# **Basic Training Course**

## **Monte Carlo Simulations for Micro- and Nanodosimetry**

**Funded by the Karlsruhe House of Young Scientists (KHYS)**

**Karlsruhe Institute of Technology (Germany)**

**25<sup>th</sup> – 26<sup>th</sup> October 2011**

The goal of the training is to provide the participants with a solid understanding of micro- and nanodosimetry. Monte Carlo simulations with the Code Geant4 in particular concerning micro- and nanodosimetric issues will account for a large part of the course. After the training, participants should be able to apply the knowledge in their specific area. The basic training course is intended to give an understanding of the following topics:

- Introduction to the physics for micro- and nanodosimetric concepts
- Basics in radiation protection quantities and skin doses
- Monte Carlo Simulations for micro- and nanodosimetry with Geant4

Topics on Geant4 will be organized as combined lectures and hands on. For hands on during class participants are invited to come with their laptop with Geant4 preinstalled. Details will follow with the registration confirmation.

The lecturers are:

- H. Rabus (PTB, Germany)
- V. Ivantchenko (CERN, Switzerland)
- S. Incerti (CENBG, France)
- C. Champion (LPMC, France)

The course will start at 9h on Tuesday 25<sup>th</sup> October, is expected to end at 14h on Wednesday 26<sup>th</sup> October and will be held at KIT, Campus Nord. The registration fee for the workshop participation is 80 €. This fee includes coffee during coffee breaks, two lunches and a dinner in the evening of 25<sup>th</sup> October. The training course is limited to 25 people.

## **Registration**

To register for the workshop, please send the attached registration form by email to the organizers (Christoph Blunck [christoph.blunck@kit.edu](mailto:christoph.blunck@kit.edu) or Guoqing Zhang [guoqing.zhang@kit.edu](mailto:guoqing.zhang@kit.edu)). Registration deadline is 26<sup>th</sup> September 2011. After registration, you will receive a confirmation by email and more information on hotel accommodation and getting to the venue, as well as the information for preinstalling Geant4 on your laptop.

**Registration can only be confirmed once payment is received and the limited number of participants is not exceeded.**

## **Payment information:**

Shortly after the registration deadline, the workshop hosts will send invoices with all required information by e-mail to all registered participants. Payment should then be made by bank transfer or by credit card. Registration can only be confirmed once payment has been received.

## Basic Training Course

### Monte Carlo Simulations for Micro- and Nanodosimetry

Karlsruhe Institute of Technology (Germany)

25<sup>th</sup> – 26<sup>th</sup> October 2011

### REGISTRATION:

<b>First Name:</b>	
<b>Last Name:</b>	
<b>Institution:</b>	
<b>Business Address:</b>	
<b>Phone:</b>	
<b>Email:</b>	
<b>Fax:</b>	

You should register by returning this completed form by email to the organizers ([christoph.blunck@kit.edu](mailto:christoph.blunck@kit.edu) or [guoqing.zhang@kit.edu](mailto:guoqing.zhang@kit.edu)), no later than **September 26<sup>th</sup>, 2011**.

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