

## Course in Medical Image Analysis

Prof. Dr. Hans-Peter Meinzer from the German Cancer Research Center (DKFZ) in Heidelberg

Imaging in general is a key technology, it is used in many sciences and technical applications, e.g. car industry, space technology and security.

In this course an introduction into medical imaging and the fundamentals of computational medical image analysis will be given.

Required background:

- basic knowledge in the field of image processing and image analysis ;
- theory of algebra;
- theory of calculus;
- theory of physics.

## Hands-on Introduction to Medical Image Analysis with MITK

Dr Christian Weber from the German Cancer Research Center (DKFZ) in Heidelberg

In this course, a practical introduction into image analysis with MITK is given. During the course we will create of Plugin for the MITK Workbench and look at writing image filters using the frameworks included in MITK.

Required background:

- basic knowledge of C++;
- material from professor's Meinzer lecture.

**Z dorobkiem naukowym obu Panów można zapoznać się pod adresami:**

[https://www.researchgate.net/profile/Hans-Peter\\_Meinzer](https://www.researchgate.net/profile/Hans-Peter_Meinzer)

[https://www.researchgate.net/profile/Christian\\_Weber18](https://www.researchgate.net/profile/Christian_Weber18)