

# *Institutskolloquium*

**Thema:** Medical Image Processing  
Topics at the Philips Research Lab Hamburg

**Referent:** *Dr. Rafael Wiemker*  
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**Ort:** Bibliothek des Instituts für Medizinische Informatik  
Etage 1, Flur 28, Raum 13 des Universitätsklinikums Aachen,  
Pauwelsstraße 30, 52074 Aachen

**Zeit:** Dienstag, den 04. Februar 2003, 14.15 bis 15.45 Uhr

## **Kurzfassung:**

The Philips Research Lab Hamburg consists of about 60 scientists and 20 staff. It is located on the premises of Philips Medical Systems, Germany, a large development and manufacturing center for medical X-ray equipment. The lab has a wide range of expertise medical image processing from imaging modalities such as computer tomography (CT), magnet resonance tomography (MR), ultra sound (US), nuclear medicine (PET, SPECT), and digital radiography (CR). The lab provides an inspiring environment of multi-disciplinary researchers including mathematics, physics, computer science, and electrical engineering. The research group conducts application-focussed research for Philips Medical Systems worldwide, and publishes results regularly in journal and conference papers. Research interests include image enhancement, image registration, organ segmentation, computer aided tumor detection, tumor growth monitoring, functional MRI, and radiation therapy planning.



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