

# *Institutskolloquium*

**Thema: A Motion Correction for Magnetic Resonance Imaging in Neuroscience  
– Works in Progress**

**Referent: M. G. Ullisch  
in Zusammenarbeit mit T. Stöcker und N. J. Shah, Brain Imaging  
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**Ort: Hörsaal 6  
Erdgeschoss des Universitätsklinikums Aachen,  
Pauwelsstr. 30, 52074 Aachen**

**Zeit: Dienstag, den 08. Juli 2008, 14.15 bis 15.45 Uhr**

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## ***Abstract:***

Motion constitutes a significant problem in Magnetic Resonance Imaging. Many protocols for neuroimaging studies use three dimensional sequences, where the acquisition of a single 3D volume of the head takes between 6 and 10 minutes. All movement occurring during this time significantly degrades the image.

The presentation will give an introduction into MRI physics followed by an overview of the motion correction scheme currently under development in the Brain Imaging Physics Group at the Research Centre Jülich.



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