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## DK Seminar

Nov 25, 2015, 14:15 - 15:45  
Vienna University of Technology,  
Freihaus, green area, 4th floor, 101C

**Cong Shi**

University of Vienna

### **A reconstruction method in photoacoustic tomography in weak attenuation case**

In this talk I will present our new reconstruction method for photoacoustic imaging in the weak attenuation case. It is an explicate reconstruction formula and it works for spherical observation surface. First I will introduce the classical no attenuation reconstruction methods, then introduce how we get this formula and the difference between them. In the second part, I will give some numerical results, including 1D and 3D.