

HITEC Methods Day

Title: Imaging Methods
Date: 1 July, 2016
Time: 9:15 –16:30 o'clock
 afterwards *get together*

Location: [Forschungszentrum](#) ► Bld. 02.16, Technikum

09.15 – 09.20	Welcome and Introduction <i>Prof. U. Rau, Forschungszentrum Jülich, IEK-5</i>
09.20 – 10.00 +10 min discussion	Microscopy and Spectroscopy with Electrons: Structure, composition and bonding on the atomic scale <i>Dr. M. Luysberg, Forschungszentrum Jülich, PGI-5</i>
10.10 – 10.30	Coffee break
10.30 – 11.10 +10 min discussion	Atom probe tomography: 3D elemental analysis at the nano scale <i>Dr. I. Povstugar, Forschungszentrum Jülich, ZEA-3</i>
11.20 – 12.00 +10 min discussion	Introduction to MRI (Magnetic Resonance Imaging) <i>Dr. J. Felder, Forschungszentrum Jülich, INM-4</i>
12.10 – 13.40	Lunch-break – at own costs for Docs
13.40 – 14.20 +10 min discussion	Imaging methods for solar cell characterization <i>Dr. Y. Augarten, Forschungszentrum Jülich, IEK-5</i>
14.30 – 15.10 +10 min discussion	3-D Tomographic Reconstruction of Atmospheric Temperature and Trace Gas Distributions from Spectrally Resolved Images in the Infrared <i>Dr. J. Ungermann, Forschungszentrum Jülich, IEK-7</i>
15.20	Get-Together

HITEC Days

HITEC Days are an inherent part of the graduate school Helmholtz Interdisciplinary Doctoral Training in Energy and Climate Research (HITEC). They devote a whole day to a method or a scientific topic with lectures and discussions. The methodological days serve to encourage scientific interdisciplinarity and will enable the PhD students to extend their range of methods with respect to their own scientific work. HITEC Days always end with a 'Get together', some snacks and drinks. HITEC Days are open for HITEC Ph.D. students and other interested young scientists.