

HITEC Methods Day

Title: Magnetic Resonance Methods

Date: 20 November, 2014

Time: 9:00 –16:30

afterwards *get together* with snacks and drinks

Location: [Forschungszentrum Jülich](#) ► Buildg. 2.16 (Technikum), Seminar Room

9:00 – 9:50	Fundamentals of Nuclear Magnetic Resonance (NMR) Methods <i>Dr. Josef Granwehr, Forschungszentrum Jülich, IEK-9</i>
9:50 – 10:40	Fundamentals and Applications of Magnetic Resonance Tomography (MRT) <i>Prof. Dr. N. Jon Shah, Forschungszentrum Jülich, INM-4</i>
10:40 – 11:10	Coffee break
11:10 – 12:00	Solid State NMR <i>Prof. Dr. Henrike Heise, Forschungszentrum Jülich, ICS-6</i>
12:00 – 12:45	Lunch break – at own costs for Docs
12:45 – 13:30	Lab Tour of ICS-6
13:30 – 14:10	Electron Spin Resonance: Principles and Application in Thin Film Silicon Research <i>Dr. Oleksandr Astakhov, Forschungszentrum Jülich, IEK-5</i>
14:10 – 15:00	Multifrequency Electron Paramagnetic Resonance (EPR/EDMR) for Solar Energy Research <i>Dr. Alexander Schnegg, Helmholtz-Zentrum Berlin (HZB)</i>
15:00 – 15:30	Coffee break
15:30 – 16:10	Pulsed Magnetic Resonance Methods in Semiconductors and their Application to Charge Carrier Kinetics <i>Prof. Dr. Martin Brandt, TU München</i>
afterwards	Get-Together with snacks

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.