

HITEC Lab

Title: basic characterization of materials and devices

Date: 10 May 2016

Time: 9:00 – 16:30

Location: [Forschungszentrum Jülich](#) ► ZEA-3, Build. 04.8, Room 369

10.05.2016

09:00 **Welcome and introduction of ZEA-3**

09:15 **Introduction to bulk and trace element analytics**

10:15 *Coffee Break*

10:30 **Introduction to surface characterization techniques I**

11:30 – 12:30 *Lunch Break at own cost*

12:30 **Introduction to surface characterization techniques II**

14:00 *Coffee Break*

14:15 **Introduction to solid state NMR**

15:15 **Discussion of examples and joint project plans with attendants**

16:15 **Questions, Answers & Feedback**

16:30 *End of session*

Practical day In the discussion individual joint project plans are worked out. The involved PhD student and other interested PhD students make an appointment to conduct the experiment.

The HITEC Labs are hands-on periods of practical training lasting 2 to 3 days, in which small groups of students from various institutes concentrate on one method that is applied in various fields. The aim of the HITEC Labs is to enable the PhD students to appreciate that a method originating from an unrelated field may also be applied in their own work. If students should discover that they require more intensive instruction in applying the method than can be imparted during the HITEC Lab, then they can make arrangements with PhD students at the institute in question to work at the institute for a limited period.