

HITEC Lab

Title: Basics of flow visualisation by means of Particle Image Velocimetry (PIV) 2015

Date: 2. – 3. December, 2015

Time: 9:00 – 16:30

Location: [Forschungszentrum Jülich](#) ► IEK-6, Build. 16.5, Room 54A

Wednesday 02.12.2015

09:00 **Welcome and introduction of IEK-6**
 09:15 **Introduction to Measurement Principle of Particle-Image-Velocimetry and Challenges for Experimental Setups**
 10:15 *Coffee Break*
 10:30 **Application of PIV in the Industry**

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

12:30 **Introduction of small scale PIV-System**
 14:00 *Coffee Break*
 14:15 **Processing of PIV-Data**
 15:15 **Laser Safety Instruction**
 16:00 **Questions, Answers & Feedback**
 16:30 *End of session*

Thursday, 03.12.2015

09:00 – 16:30 Practical Day in the Lab, Build. 09.1

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.