

## HITEC Lab

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

**Date:** November 13/14(/15), 2013

**Time:** 9 a.m. – 4:30 p.m.

**Location:** Forschungszentrum ► [Jülich, IEK-6, Build. 16.5/09.1](#)

### Day 1: Theoretical Background

*IEK-6, Bd. 16.5, Seminar Room*

09:00 – 09:20	Welcome and introduction	Reinecke
09:20 – 10:20	PIV basics pt. 1	Belt
<b>10:20 – 10:40</b>	<b>Coffee Break</b>	
10:40 – 11:40	PIV basics pt. 2	Belt
11:40 – 12:00	Questions & Answers	
<b>12:00 – 13:00</b>	<b>Lunch Break</b>	
13:00 – 14:30	PIV application in IEK-6	Reinecke, Trollmann, Belt
<b>14:30 – 14:50</b>	<b>Coffee Break</b>	
14:50 – 15:30	PIV application in industry	TSI (inquired)
15:30 – 16:30	Safety Briefing	Reinecke

### Day 2: Hands-on Training

*IEK-6, Bd. 09.1, Halle 4*

09:00 – 16:30	Set-up of a PIV measurement system Execution of PIV measurement Evaluation of PIV data Brainstorming: Error estimation Feedback Session	Belt, Trollmann, Reinecke
---------------	---	---------------------------

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.