

## HITEC Methods Day

**Title:** Materials: Ageing and degradation processes

**Date:** 21.06.2012

**Time:** 9:00 – 16:30 o'clock  
afterwards *get together* with snacks and drinks

**Location:** Forschungszentrum ► **Jülich, Build. 14.6., R 241**

9:00 – 9:05	Welcome
9:05 – 9:45	Ageing and degradation of divertor and 1. wall materials in future fusion reactors, Dr. J. Linke, Forschungszentrum Jülich, IEK-2
9:45 – 10:30	Degradation mechanisms of thermal barrier coating systems, Prof. R. Vaßen, Forschungszentrum Jülich, IEK-1, and Uni Bochum
10:30 – 10:45	Coffee Break
10:45 – 11:30	Degradation of single crystal alloys, Prof. G. Eggeler, Uni Bochum
11:30 – 12:15	Longtime stability of photovoltaic cells, Prof. U. Rau, Forschungszentrum Jülich, IEK-5, and RWTH Aachen University
12:15 – 13:15	Lunch Break
13:30 – 14:30	Lab Tour – Institute of Energy and Climate, Microstructure and Properties of Materials, IEK-2
14:45 – 15:30	Degradation of solid oxide fuel cells, Dr. L.G.J. de Haart, Forschungszentrum Jülich, IEK-9
15:30 – 16:15	Long time stability aspects of membranes for CO <sub>2</sub> separation, PD Dr.-Ing. T. Markus, Forschungszentrum Jülich, IEK-2
16:15 – 16:30	Open Questions
16:30	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.