

HITEC Theme Day

- Title:** Energy Technologies: Power Plants/CCS
- Date:** 25.06.2012
- Time:** 9:30 – 16:45 o'clock
afterwards *get together* with snacks and drinks
- Location:** ► [RWTH Aachen University, Großes Senatssitzungszimmer, Templergraben 55](#)

9:30 – 9:35	Welcome
9:35 – 10:30	Introduction to high temperature materials for modern gas and steam turbine powerplants, PD Dr. T. Markus, Forschungszentrum Jülich, IEK-2, and RWTH Aachen University
10:30 – 11:30	Introduction to power plant technology; approaches to increase efficiency, Prof. V. Scherer, Uni Bochum
11:30 – 12:45	Lunch Break
13:00 – 14:30	Lab Tour, Institute of Heat and Mass Transfer (WSA; Wärme- und Stoffübertragung, Prof. Kneer)
14:30 – 15:30	Thermal barrier layers for gas turbines, Dr. M. Jarligo, Forschungszentrum Jülich, IEK-1; Prof. T. Beck, IEK-2, and RWTH Aachen University
15:30 – 16:30	Efficient gas separation in fossil power plants with inorganic membranes for Carbon Capture and Storage, Dr. W. Meulenber, Forschungszentrum Jülich, IEK-1
16:30 – 16:45	Open Questions
16:45	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.