

HITEC Theme Day

Title: Energy Technologies: Renewable Energies

Date: 23 May, 2013

Time: 9:00 –17:15 o'clock
afterwards *get together* with snacks and drinks

Location: Forschungszentrum ► **Jülich, Build. 2.16, Seminarroom (Technikum)**

9:00 – 9:10	Welcome and Introduction Prof. U. Rau, Forschungszentrum Jülich
9:10 – 9:55	Natural Variation in Plant Cell Walls: A Way to Produce more Bioenergy? Prof. Dr. Björn Usadel, Forschungszentrum Jülich
9:55 – 10:40	Photovoltaic Energy from Sand and Sun Prof. Uwe Rau, Forschungszentrum Jülich
10:40 – 11:00	Coffee-break
11:00 – 11:45	Fundamentals of Solar Thermal Heat and Power Generation Dr. Karl-Heinz Funken, Deutsches Zentrum für Luft- und Raumfahrt, DLR
11:45 – 12:30	Photoelectrochemical Routes to Solar Fuels: where Semiconductor Physics meets Catalysis Prof. Dr. Roel van de Krol, Helmholtz-Zentrum Berlin, HZB
12:30 – 13:45	Lunch-break – at own costs for Docs
13:45 – 14:45	Lab Tour
14:45 – 15:00	Coffee-break
15:00 – 15:45	Turbulence and its Relevance for Wind Energy Dr. Michael Hölling, University of Oldenburg
15:45 – 16:30	Geothermal Energy Systems Prof. Dr. Ernst Huenges, Helmholtz-Zentrum Potsdam, GFZ
16:30 – 17:15	<i>The Political Dimension: Germany's "Energiewende" - a Blueprint for other Countries?</i> Prof. Dr. Frithjof Staiß, Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)
17:15	Get-Together with snacks

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.