

HITEC Theme Day

Title: Biogenic Gases – from Production to Application
Date: 9-10 February, 2015
Time: 13:00 (9 Feb) – 14:00 (10 Feb)
Location: Ruhr-Universität Bochum ► Build. IC, third floor, R 156; IC 3-156

The usage of biogenic gas is a possible alternative to fossil fuels against the background of climate change and the lack of energy resources. Biogenic gases can be stored. Therefore, they can be used as basic energy supply or as flexible energy supply, when sun and wind energy are not available. The seminar shows different types of biogenic gases as well as possibilities and challenges for their production and application.

You will learn about:

- the basics of biogenic gas production
- the basics of gas upgrade and feed-in
- the possibilities and challenges

Contents:

- gas production from anaerobic degradation
- gas production from thermal gasification
- hydrogen production from algae and enzymes
- gas conditioning by sorption processes
- tracking of gas in gas-distribution grids
- thermodynamic properties of biogenic gases

Who should attend:

HITEC Ph.D.-fellows;
Postgraduate-, Ph.D.- and postdoctoral fellows from the fields of energy and climate research

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.