

HITEC Theme Day

Title: Nuclear Waste Disposal and Reactor Safety

Date: 2 June 2016

Time: 9:00 –16:15
afterwards *get together* with snacks and drinks

Location: **Forschungszentrum** ► Bld. 05.3, Stelzenhōrsaal

The worldwide operation of nuclear power plants means that the state of the art must be continuously updated with respect to the safety of reactor operation and final disposal of radioactive waste. In nuclear waste management, new disposal concepts are being developed on the basis of new materials which are intended to ensure safe disposal for up to one million years. In close interaction between experiments and simulation, accident scenarios are analysed in reactor safety research and the effectiveness of safety measures evaluated.

You will learn about:

- radioactivity and nuclear fission
- objectives of reactor safety
- materials development for nuclear waste management
- characterization of materials for nuclear waste management
- strategies for nuclear waste management

Acquiring basic knowledge of nuclear waste management and safety research in the field of reactor technology and fundamental principles of radioactivity and nuclear fission.

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.