HITEC Day

Title: **Electrocatalysis: from basic concepts to better materials and devices**

Date: **February 2, 2021**

Location: **https://fz-live.de/electrocatalysis**

Summary

Electrocatalysis is the key scientific discipline to yield groundbreaking advances in electrochemical energy conversion technologies. It is concerned with unravelling the intricate interplay of structure and processes at electrified interfaces, the selection and design of highly performing and stable electrocatalyst materials, and the integration and testing of promising materials in operating devices. A cross-section of activities from this range of topics will be presented.

You will learn about:

- theory and modeling of electrochemical interfaces
- advanced characterization of electrocatalytic materials
- integration and testing in emerging energy technologies

Contents:

- methods and tools in modeling and characterization
- current directions in materials development
- challenges and needs of various electrochemical devices

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.