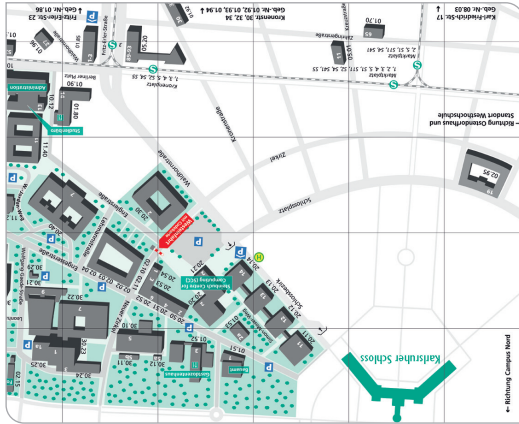


Karlsruhe Institute of Technology
KIT Climate and Environment Center
Dr. Heike Boos
KIT-Campus Nord
Hermann-von-Helmholtz-Platz 1
76344 Eggenstein-Leopoldshafen, Germany
Phone: +49 721 608-28594
Fax: +49 721 608-23949
E-mail: lecture@klima-umwelt.kit.edu



KIT Environment Lecture

15th May 2012, 6 pm, Gartensaal at Schloss Karlsruhe

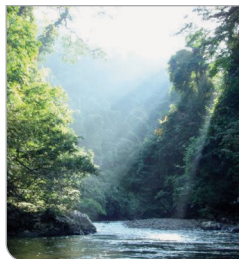
KIT CLIMATE AND ENVIRONMENT CENTER



KIT Climate and Environment Center
KIT Environment Lecture

Tuesday, 15th May 2012
6 pm

Gartensaal at Schloss Karlsruhe
Schlossbezirk 10
76131 Karlsruhe



In the 21st century, living conditions on Earth are changing as profoundly as never before. With more than 650 employees of KIT at about 30 institutes, the KIT Climate and Environment Center develops strategies and technologies to secure the natural bases of life. The future challenges to the earth's resources and environment are subject of the KIT environment lectures.

Programme

- **Welcoming speech**
Dr. Peter Fritz, KIT Vice President Research and Innovation
Professor Thomas Neumann, KIT Climate and Environment Center
- KIT Environment Lecture:
Cleaner water, less CO₂ and putting out the garbage
Professor Susan Stipp, University of Copenhagen
- **Reception**

Abstract

The industrial age and the electronic age have increased society's standard of living but they have also increased our rate of converting resources to waste. However, technology has also given us instruments that allow us to see at the nanometer scale. Now we can watch as molecules react, offering enormous potential for gaining insight into how nature works. Hopefully, new understanding of nature's secrets, about how fluids interact with natural materials, will help us avoid future damage to the environment and let us repair carelessness of the past.



Professor Susan Stipp

Professor Susan Stipp leads the NanoGeoScience Group, an international group of more than 50 interdisciplinary researchers, at the Nano-Science Center, University of Copenhagen. She is Fellow of the Geochemical Society and External Board Member of BP plc, as well as past Principal Editor of Elements and Founding and Principal Editor of the completely new Geochemical Perspectives.