

KIT Climate Lecture

September 19, 2018 · 6pm

Festsaal at Studentisches Kulturzentrum Karlsruhe

KIT CLIMATE AND ENVIRONMENT CENTER



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Wednesday, September 19, 2018
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Festsaal at Studentisches Kulturzentrum
Campus South, Building 01.12
Adenauerring 7
76131 Karlsruhe, Germany



In the 21st century, living conditions on Earth are changing as profoundly as never before. With more than 700 employees at about 30 institutes of KIT, the KIT Climate and Environment Center develops strategies and technologies to secure the natural bases of life. The grand challenges emerging from climate change are subject of the KIT Climate Lectures.

Programm

- **Welcome**
Professor Frank Schilling, Scientific Spokesman KIT Climate and Environment Center
Professor Christoph Kottmeier, Institute of Meteorology and Climate Research,
Head of Department Troposphere Research
- The 2018 KIT Climate Lecture:
Climate Change: What if Paris fails?
Prof. Thomas Stocker, Division Climate and Environmental Physics,
University of Bern, Switzerland
- **Reception**

Climate Change: What if Paris fails?

The Paris Agreement requests holding the increase in the global average temperature to well below 2 °C above pre-industrial levels. What happens if CO₂ emissions do not decrease rapidly? Climate change will become a resource problem: At stake are the resources of health, water and land. If resources become scarce, human struggle and conflicts will follow.



Thomas Stocker was born in Zürich and obtained a PhD in Natural Sciences of ETH Zürich in 1987. He held research positions at University College London, McGill University (Montreal), Columbia University (New York) and University of Hawai'i (Honolulu). Since 1993 he is Professor of Climate and Environmental Physics at the University of Bern. Thomas Stocker has authored or co-authored more than 200 peer-reviewed papers in the area of climate dynamics and paleoclimate modeling and reconstruction. From 2008 to 2015 he served as Co-Chair of Working Group I of the UN Intergovernmental Panel on Climate Change (IPCC) that provided the scientific foundation of the Paris Agreement.

Thomas Stocker holds two honorary doctorates (University of Versailles and ETH Zürich) and received numerous awards for his work. He is a Foreign Honorary Member of the American Academy of Arts and Sciences and received the Swiss Science Prize Marcel Benoist in 2017.