

KIT Climate Lecture and Helmholtz International Fellow Award Ceremony

April 8, 2014, 6 pm, Gartensaal at Schloss Karlsruhe

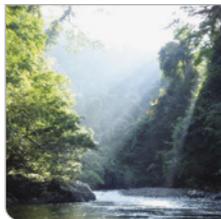
KIT CLIMATE AND ENVIRONMENT CENTER



KIT Climate and Environment Center
KIT Climate Lecture

Tuesday, April 8, 2014
6 pm

Gartensaal at Schloss Karlsruhe
Schlossbezirk 10
76131 Karlsruhe, Germany



In the 21st century, living conditions on Earth are changing as profoundly as never before. With more than 650 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.

Program

■ Welcome

Professor Detlef Löhe
KIT Vice President for Research and Information

■ Laudation

Professor Thomas Leisner
KIT Climate and Environment Center

■ Presentation of the Helmholtz International Fellow Award to Professor Zev Levin

Professor Detlef Löhe
KIT Vice President for Research and Information

■ The 2014 KIT Climate Lecture:

What have we learned from 50 years of rain enhancement by cloud seeding in Israel?

Professor Zev Levin
Department of Geophysical, Atmospheric and Planetary Science, Tel Aviv University, Israel, and
Energy, Environment and Water Research Center (EEWRC), The Cyprus Institute, Nicosia, Cyprus

■ Reception

Abstract

In response to global concern about water shortages, cloud seeding – a form of intentional weather modification which has been used for rain enhancement for about 60 years – is receiving renewed attention. According to the WMO, there are presently over 80 cloud seeding projects around the world. An overview of existing research, however, shows that, while cloud seeding affects micro-physical processes in clouds, there is little evidence that it affects rain on the ground. The lecture will focus on the things we learned from a number of cloud seeding experiments carried out in Israel over the past fifty years. Therefore, results from experiments using silver iodide (AgI) or hygroscopic particles (e.g. sea salt) will be shown.



Professor Zev Levin

Zev Levin is Professor Emeritus at Tel Aviv University, Israel, and Professor at the Cyprus Institute, Nicosia, Cyprus. He is an internationally renowned expert in cloud and rain physics, atmospheric aerosols and nucleation, and weather modification. Professor Levin was member of numerous international and national committees. From 2004 to 2012, he was President of the International Commission on Clouds and Precipitation (ICCP). Professor Levin holds a number of Israeli and international awards.

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