

DECEMBER 12-14, 2012
HERRENHAUSEN PALACE, HANOVER, GERMANY
1ST HERRENHAUSEN CONFERENCE

DOWNSCALING SCIENCE

herrenhäuser
KONFERENZEN

The Volkswagen Foundation's first Herrenhausen Conference "Downscaling Science" relates to two aspects. On the one hand, it refers to the following questions: Which opportunities does nanoscience provide for tackling global challenges? Which are the limits and limitations of this rather new field of research? And which barriers need to be overcome in order to further develop it? On the other hand, the conference will address the current trend toward increasingly expensive research in times of alarmingly dwindling resources. Thus, the title "Downscaling Science" also refers to new approaches to science and science policy.

KEYNOTE SPEECHES

LET'S GET PRACTICAL (TBC) **George M. Whitesides***, Harvard University
LOST IN TRANSLATION **Harold Kroto**, Florida State University

THREE SESSIONS

NANO + ENERGY + SUSTAINABILITY
NANO + ANALYTICS + ASSEMBLIES
NANO + MEDICINE: RISKS AND OPPORTUNITIES

CHAIRS

Markus Antonietti, MPI of Colloids and Interfaces, Potsdam
Jörg P. Kotthaus, Ludwig-Maximilians-University Munich
Petra Schwille, MPI of Biochemistry, Martinsried

All sessions are followed by plenary discussions and workshops based on the method of World Café.

SPEAKERS

Nynke Dekker, Delft University of Technology
Peter Fratzl, Max Planck Institute (MPI) of Colloids and Interfaces, Potsdam
Michael Grätzel, École Polytechnique Fédérale de Lausanne
Angelika Heinzel, University of Duisburg-Essen
Stefan Hell, MPI for Biophysical Chemistry, Göttingen
Kostas Kostarelos, University of London

Moein Moghimi, University of Copenhagen
Matthew Rosseinsky, University of Liverpool
Vahid Sandoghdar, MPI for the Science of Light, Erlangen
Gerhard Schmid, Munich RE (Reinsurance)
Ferdi Schüth, MPI for Coal Research, Mülheim an der Ruhr
Hanadi Sleiman, McGill University, Montreal

EVENING PROGRAM

DINNER WITH DINNER SPEECH BY **Marcel Liauw**, RWTH Aachen University on December 12.
BAVARIAN CURLING on December 13.

USEFUL INFORMATION

The conference fee amounts to 250 € (regular fee, valid from September 1 - November 20, 2012).
We offer an early bird registration fee of 150 €, which is valid for registrations received by August 31, 2012.
BEGIN OF CONFERENCE December 12, 2012 at 2:00 p.m. END OF CONFERENCE December 14, 2012 at 4:00 p.m.
FURTHER INFORMATION & REGISTRATION ON <http://www.contoo.de/c/downscalingscience>

With its Herrenhausen Conferences the Volkswagen Foundation provides international experts as well as junior researchers with a platform for an intense (inter-)disciplinary dialogue on exciting new areas of research and innovative methodological approaches. The focus will lie not on past achievements, but on current challenges provided by the field of research. We are interested in unanswered questions and unresolved problems – and in the respective research field's relevance for society.

*All academic titles have been omitted.