WE-Heraeus Seminar on Health, Energy & Extreme Events in a Changing Climate

Interdisciplinary Physics Workshop

6–9 December 2014
DPG Physikzentrum, Bad Honnef, Germany

We bring together theoretical physicists and complex systems scientists with distinguished researchers working on health, energy, and climate change to (i) learn about the complex interactions between these global systems, (ii) provide young physicists with an opportunity to explore fields of application of great societal importance, (iii) discuss in an interdisciplinary way the potentials and perspectives of cutting-edge modeling and data analysis methods from theoretical physics for studying both the individual subsystems as well as the whole complex, (iv) show that the language of theoretical physics and complex systems science is a natural and fruitful framework for this transdisciplinary field, and (v) initiate new promising scientific studies and projects in this context.

Keynote speakers:
Anne-Ly Do
MPI Physics of Complex Systems
Ljupco Kocarev
Macedonian Acad. for Sc. and Arts
Bettina Menne
World Health Organization
Leonard A. Smith
London School of Economics

Invited talks by:
Valentin Aich, PIK
Chris Barker, UC Davis
Petra Friederichs, U Bonn
Alexander Gershunov, Scripps Inst.
Katrin Schmietendorf, U Oldenburg
Michael Hinte, U Kassel
Solomon Hsiang, UC Berkeley
Holger Kantz, MPI Comp. Phys.
Aneta Koseska, MPI Molec. Biol.
Gordon McCand, UC San Diego
Jonathan F. Donges, PIK

Registration: www.pik-potsdam.de/heeecc
(3 e’s, 2 c’s)

Deadline: 20 October 2014

Registration, accommodation, and meals are free of charge. Participants are invited to contribute posters or short talks.

Organizers: Jobst Heitzig (PIK), Jürgen Kurths (PIK, HU Berlin), Henry D. Ibarbaranel (UC San Diego), Brian Hoskins (Imperial College, London)
Contact: heitzig@pik-potsdam.de

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