FIAS Colloquium

Thursday, December 5, 2013, 14:30
FIAS, Ruth-Moufang-Str. 1, 60438 Frankfurt am Main
Lecture hall 0.100

Speaker: Dr. Dominik Heide, German Aerospace Center, Institute of Technical Thermodynamics Systems Analysis & Technology Assessment, Stuttgart

Title: A systems analysis view of the transition to a renewable energy system

The transition to an energy system with a high share of renewable energy sources poses both technical and economical challenges. The complexity of the system and the possible long term impacts of decisions taken in the energy sector require a good understanding to find a balance between the technical and economic possibilities of to-day, and the long term development perspectives. In the talk, I present the systems analysis work of the department which combines top-down analysis of the overall energy supply system at regional, national and European level with technology oriented bottom-up studies, the assessment of resource potentials of renewable energies and economic analyses.