



PHYSIKALISCHES KOLLOQUIUM

des Fachbereichs Physik
der Johann Wolfgang Goethe-Universität Frankfurt

Mittwoch, den 01.06.2016, 16 Uhr c.t.
Großer Hörsaal, Raum _0.111,
Max-von-Laue-Str. 1



Prof. Dr. Wolfgang Bauer
Michigan State University

*"The Physics of Global Warming
and Renewable Energies"*

Approximately 85% of the world power consumption of 16 TW are generated from burning fossil fuels. This results in an annual addition of 16 billion tons of carbon dioxide to our atmosphere, which in turn causes a rise in the surface temperature of Earth. We explore the physics of the radiation processes that lead to this result. In the second part we will explore how much renewable power sources can contribute to the mitigation of global warming, and at what cost.

Die Dozenten der Physik

local host: Prof. Dirk Rischke, drischke@th.physik.uni-frankfurt.de