

Gemeinsame Veranstaltung von
Humboldt-Universität zu Berlin, Institut für Physik
(Theorie der Elementarteilchen / Computerorientierte Theoretische Physik)
DESY, Zeuthen

SEMINAR

**Feldtheorie auf dem Gitter und
Phänomenologie der Elementarteilchen**

Am Dienstag, dem **5. Juni**, um **15:00 Uhr s.t.** spricht

Dr. Dirk Homeier

NIC, DESY

zum Thema

Path Integral Formulation of Stochastic Differential Equations

Abstract

The aim of the talk is to provide an overview over common problems related to the path integral formulation of classical stochastic differential equations. The focus will mainly be on the forced Burger's equation, which can be interpreted as describing hydrodynamic turbulence of infinitely compressible fluids. Parallels to path integral quantization of single particles and fields will be pointed out, and first results of MC-simulations of turbulence presented.

Ort: DESY, Zeuthen
Platanenallee 6, 15738 Zeuthen, Hörsaal 2

Fahrverbindungen: S-Bahn Station Zeuthen

Web: <http://www-zeuthen.desy.de/~stschaef/seminar/seminar.html>