

EINLADUNG ZUM
WIENER PHYSIKALISCHEN KOLLOQUIUM

**INFORMATION PROCESSING IN STOCHASTIC
NEUROMORPHIC CIRCUITS**

Karlheinz MEIER
*Kirchhoff-Institut für Physik
Universität Heidelberg*

The brain is a universe of 100 Million cells interacting through 1000 Trillion constantly changing synapses. Biological recordings and simulations on conventional super-computers do only provide limited access to this complex systems. In the lecture we will report on an alternative approach to information processing in the brain based on physical models of neural circuits. Experimental test of theories based on the stochastic dynamics of brain networks on such systems will be discussed.

Montag, 17. Juni 2013, 17:30 Uhr
(ab 17:00 Uhr Kaffee)

Technische Universität Wien
Freihaus, Hörsaal 5 (2. Stock, grüner Bereich)
Wiedner Hauptstraße 8, 1040 Wien