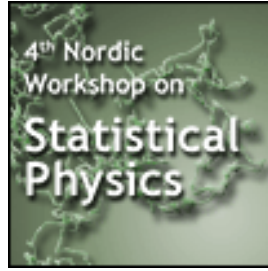


# 4th Nordic Workshop on Statistical Physics: Biological, Complex and Non-Equilibrium Systems



Contribution ID: 261

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## Weak Noise in Non Equilibrium

*Thursday, March 21, 2013 2:00 PM (45 minutes)*

We develop a weak noise scheme addressing problems in non equilibrium statistical physics. The evaluation of transition probabilities is expressed in terms of a classical action in a Hamiltonian framework.

We consider as examples: 1) free brownian particle, 2) over damped particle in harmonic potential, 3) noisy finite singularity, and 4) the Kardar-Parisi-Zhang equation for a growing interface.

**Presenter:** Prof. FOGEDBY, Hans (University of Aarhus)