# Energetic Variational Approaches in General Diffusion: Transport of Charged Particles

Chun Liu

Penn State University, USA

*Email:* liu@math.psu.edu

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In this talk, I will review the general framework of Energetic Variational Approaches to general diffusion. In particular, I will focus on the transport of charged particles. I will make the connection to stochastic differential equations, diffusion-convection equations, nonlocal diffusion etc.