國立中山大學應用數學系
學術演講

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講　題：Random Walk in Random Environment as a Model of Disordered Systems

時　間：2025/3/20（Thursday）15:00～16:00

地　點：理 SC 4009-1 教室

茶　會：14:45

Abstract

Random Walk in Random Environment (RWRE) and Directed Polymer models are typical examples of disordered systems. In both models, we consider random media, but the way randomness is introduced into the environment differs. Specifically, RWRE is understood as a stochastic process in random media and directed polymer models as statistical-mechanical models. Although the definitions of these models differ, the Directed Polymer model, under certain conditions, can be interpreted as RWRE, providing a new perspective for analyzing both models. This talk will dive into key results of RWRE and explore how the connection between stochastic processes and statistical-mechanical models deepens our understanding of disordered systems.

敬　請　公　告！　歡　迎　參　加！

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