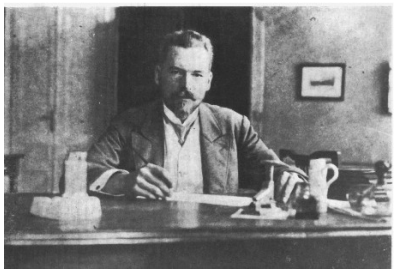

Contribution ID: **44** Type: **Talk**

Stochastic Resetting

Wednesday, September 18, 2019 5:30 PM (30 minutes)

Evolving stochastic process, when interrupted at random epochs and reset to its initial condition, reaches a new nonequilibrium stationary state. The approach to the stationary state is accompanied by an unusual 'dynamical phase transition'. Moreever, the mean first-passage time to a fixed target becomes a minimum at an optimal value of the resetting rate. This makes the diffusive search process rather efficient. Resetting dynamics has been studied intensively in the last few years and is a rapidly emerging field in stochastic processes and nonequilibrium systems. In this talk, I'll give an overview of this evolving field.

Summary

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