



Colloquium Notice

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Lasing over Anderson localized transport in 1D non-Hermitian photonic structures

By deliberately introducing disorder into the lattices, we manipulate propagation to produce conductive or localized transport. The role of dimensionality, in particular, is important in such phenomena. In this talk, I will present the statistical properties of photons transport in 1D quasi-periodic amplifying structures with inherent non-Hermiticity. Specifically, I will talk about the lasing in Anderson localized states near a critical degree of disorder. Because of the presence of non-Hermiticity and amplification, we can investigate gain/loss phenomena as well as coupling between Anderson localized modes.

Monday

May 1, 2023

Starts at 12:15 PM

Coffee at 12:00 PM

Science Building B326

This talk is accessible via [Zoom](#) or use

meeting ID 829 2687 2594 and **passcode 866995** to join