



Universidade Federal da Paraíba  
Centro de Ciências Exatas e da Natureza  
Programa de Pós-Graduação *Stricto Sensu* em Física

## Ciclo de Colóquios 2018.1

# Colóquio nº 1

## “Quantum Walks”

**RESUMO:** We will discuss quantum walks, which are a fundamental concept in quantum algorithms with various experimental implementations. The focus here will be on the physics of Grover's quantum search algorithm. As a discrete-time quantum transport problem, we will discuss its properties in comparison with classical random walks (i.e., diffusion) and highlight some of its distinctly quantum features, such as localization.

<p>Prof. Dr. Stefan Boettcher Emory University</p>
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10/ago/2017	16:00
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Local: Auditório II do DF (prédio novo)
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