This Workshop is aimed to gather researchers from different physical areas working on a common framework: waves and discrete systems. The meeting will have a main focus on photonic lattices, but will also explore recent results from Condensed Matter, BEC's, Quantum Mechanics, etc. Different talks will inform about recent progress on "localization and transport properties of linear and nonlinear discrete systems". You are very welcome to join us!!!

WHERE:
“AULA MAGNA”
FACULTAD DE CIENCIAS,
UNIVERSIDAD DE CHILE

WHEN:
NOVEMBER 17 AND 18, 2016

Organized by

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“Quantum signatures of charge-flipping vortices in the Bose-Hubbard trimer” (Magnus Johansson, Linköping University, Sweden)

“Asymmetric defect modes in composite linear waveguide arrays” (Marija Stojanović, University of Niš, Serbia)

“On localized modes in nonlinear binary 2D Lieb lattices” (Petra Beličev, Vinča Institute, Serbia)

“Evolving disorder influence on the light patterns propagation in binary Kagome ribbons” (Aleksandra Maluckov, Vinča Institute, Serbia)

“Nonlinear localized flat-band modes with spin-orbit coupling” (Goran Gligorić, Vinča Institute, Serbia)

“Non-hermitian Topological Photonics” (Steffen Weimann, Friedrich-Schiller University, Germany)

“Noise-assisted energy transport in dynamically disordered photonics lattices” (Diego Guzmán, Friedrich-Schiller University, Germany)

“Dynamics of vortices in strongly-correlated and topological superfluids” (Joachim Brand, Massey University, New Zealand)

“Topologically-induced soliton switching” (Mario Molina, Universidad de Chile)

“Diffractionless quantum states of light” (Aldo Delgado, Universidad de Concepción)

“Driven Front Propagation in 1D Spatially Periodic Media” (Marcel Clerc, Universidad de Chile)

“The diffusive to ballistic transition for a quantum particle in a periodic waveguide” (Felipe Barra, Universidad de Chile)

“Nonlinear Excitations in Honeycomb Lattices” (Edward Arévalo, Pontificia Universidad Católica de Chile)

“Valley Hall effect in bilayer graphene under pressure” (Francisco Muñoz, Universidad de Chile)

“Transport and localization in quasi 1D lattices” (Camilo Cantillano, Universidad de Chile)

“Flat band states in Lieb and Stub photonic lattices” (Bastián Real, Universidad de Chile)

Program will be available soon in @GrupodeOptica

Talks: Thursday 17 (full) and Friday 18 (morning). Friday 18 (afternoon): Barbecue at GO.

Doubts? just write to: rvicencio@uchile.cl