

Travelling Waves in Nonlinear Metamaterials by

Dr. Makrina Agaoglou

Tuesday, April 2, 2019: 17-17:45h

**Seminario del Departamento de Física
Aplicada I (G0.81);**

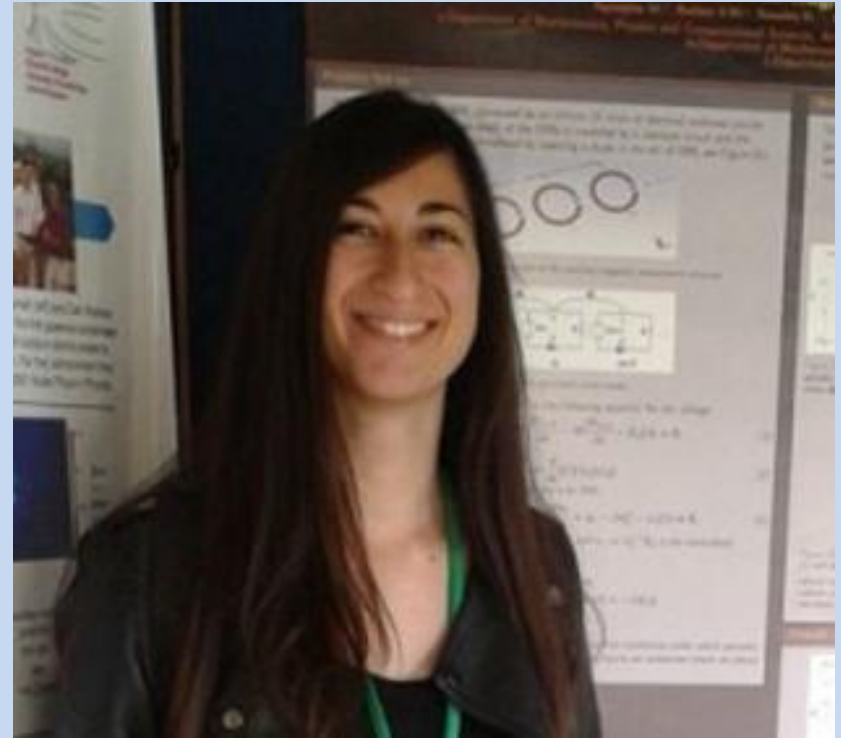
**ETSI Informática, Avda Reina Mercedes s/n,
41012-Sevilla, Spain (In English)**

Biographical Review:

**PhD by Aristotle University of
Thessaloniki (2015)**

**Postdoc at University of Massachusetts in
Amherst, MA, USA (2016)**

Currently at ICMAT(CSIC) in Madrid



Abstract: We investigate a one-dimensional parity-time (PT)-symmetric magnetic metamaterial consisting of split-ring dimers having gain or loss. Employing a Melnikov analysis we will talk about the existence of localized travelling waves.

We will talk about the agreement between the analytical results and the direct numerical computations.

Organized by JFR Archilla. Group of Nonlinear Physics . Universidad de Sevilla .

