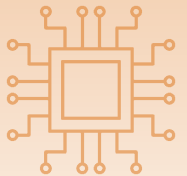


Nano in Physics

Topological sound and vibrations

Prof. Johan Christensen

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Abstract

In this talk I briefly review the acoustic and mechanical topological advances from our team and experimental partners. We begin with basic topological confinements in valley-Hall and Chern insulators and extend this direction with non-Hermitian ingredients. Lastly, I will also highlight zero-dimensional corner states and topological defects of confined sonic and vibrational energy.

Introductory talk by Dr Guilhem Madiot

"Generation and control of acoustic phonons at the nanoscale"

Senior Postdoctoral Researcher at Phononic and Photonic Nanostructures group

Due to confidentiality issues this seminar will not be recorded

Thursday 15 December at 15:00 (CET)
ICN2 Seminar Room - <https://icn2.cat/en/events>

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