

JSLoc2024: 2nd Japanese-Spanish Symposium on Localization and Nonlinear Phenomena in Lattices and Waves

Grau de Gandia, Valencia, Spain, March 4-9, 2024



Organizers

Juan FR Archilla Masayuki Kimura
V́ctor J Sánchez-Morcillo Yusuke Doi



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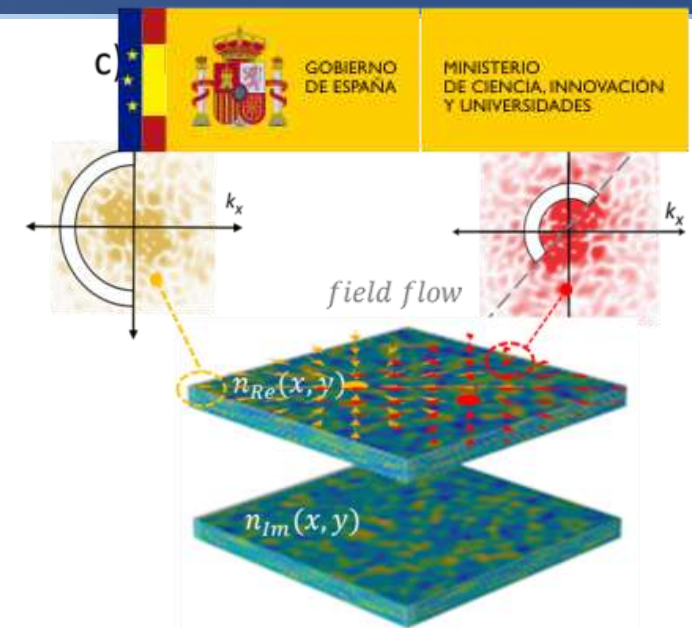
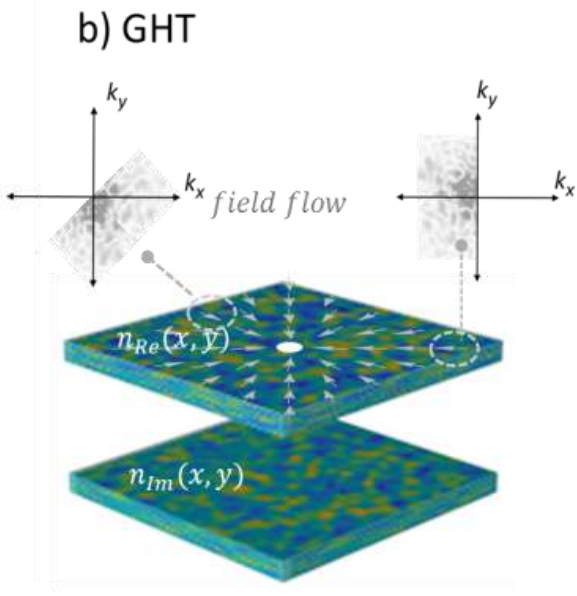
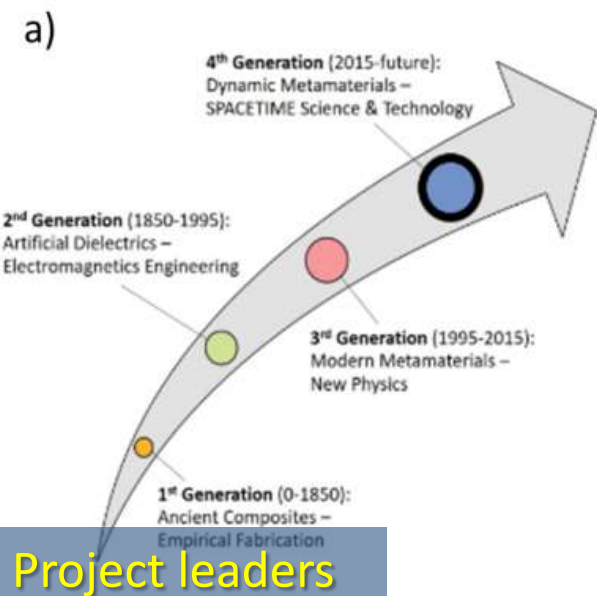


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STWaveControl project kick-off meeting: Exploring complex spacetime systems for unconventional light and sound wave control



Kestutis Staliunas, Muriel Botey UPC (light) MICIN PID2022-138321NB-C21
 Víctor J Sánchez-Morcillo, Rubén Picó UPV (sound) MICIN PID2022-138321NB-C22

Nonlinear excitations in a silicate chain. Experiments and theory

Juan FR Archilla, Jānis Bajārs



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Yusuke Doi, Masayuki Kimura



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Yaroslav Zolotaryuk and Yuriy Kosevich (pterokinks)

**Mike Russell , S Medina-Carrasco, F Frutos
(hyperconductivity experiments)**

V Sánchez-Morcillo, LM García-Raffi, N Jiménez (kinks)

J. Chris Eilbeck (simulations with JB)

Masayuki Sato (spectral theory)

Alain B Togueu Motcheyo (Rogue waves) .

Funding:

JFRA: MICINN PID2022-138321NB-C22
VII PPIT-US 2023

JB: Faculty of Physics, Mathematics and
Optometry, University of Latvia (2024)

YD: JSPS Kakenhi (C) No. 19K03654

MK: JSPS Kakenhi (C) No. 21K03935

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Phenomena in Lattices and Waves, Grau de Gandia, Valencia, Spain, March 4-9, 2024**

Modulation of the optical properties of $\text{CrI}_3=\text{CrI}_3(n\text{-L})$

Andrés Cantarero
Molecular Science Institute
University of Valencia



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Experiments on Spatially Localized Vibrations in Magneto-mechanical Resonator Array



Masayuki Kimura

Department of Electrical and Electronic Engineering,
Setsunan University, Japan



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Travel Support: MICINN PID2022-138321NB-C22

JSPS Kakenhi

No. 22760280, No. 25820164,
No. 18K04020, No. 21K03935



Unconventional Sound Control

Jesús Alba (UPV), Juan F. R. Archilla (US), Jesús Carbajo (UA), Rubén Picó (UPV), Jaime Galiana (UPV), Pedro Poveda (UA), Javier Redondo (UPV), Romina del Rey (UPV), Victor J. Sánchez-Morcillo (UPV).



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Nonlinear Phenomena in Lattices and Waves, Grau de Gandia, March 4-9, 2024 ⁶

Measuring velocity of supratransmission in mass-spring chain



Yosuke WATANABE

Faculty of Science and Engineering

Setsunan University, Japan



Yusuke Doi

Graduate School of Engineering

Osaka University, Japan



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Unidirectional mode coupling in Non-Hermitian Waveguides

Mohammad Nayeem Akhter, Muriel Botey, Ramon Herrero, and Kestutis Staliunas



This Project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 861152.

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Hybridisation of the different scenarios leading to spatial localisation: hybrid frequency combs in non-Hermitian Kerr Cavities

Salim B. Ivars¹, Muriel Botey¹, Ramon Herrero¹, Kestutis Staliunas^{1,2,3}

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Speakers

K Staliunas, R Herrero, M Botey, N Akhter, SB Ivars
VJ Sánchez-Morcillo, R Picó, J Galiana-Nieves
Y Doi (with K Yoshimura), M Kimura, Y Watanabe
A Cantarero, J Bajars, JFR Archilla



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