



CHAOS2024 - *Hybrid*

*17th Chaotic Modeling and Simulation International
Conference*

11 - 14 June, 2024, Chania, Crete, Greece

<http://www.cmsim.org/chaoschania2024.html>

**Special Session on
Localized Excitations in Nonlinear Lattices**



Special Session on Localized Excitations in Nonlinear Lattices (LENL) in [CHAOS2024](#), Chania, Crete, Greece, June 11-14, 2024.

Talks (alphabetical order):

- _____
- _____
- _____
- _____
- _____
- _____
- _____

Nonlinear Energy and Charge Transport in Silicates. Experiments and semiclassical models.

Juan F.R. Archilla^{1,*}, Jānis Bajārs², Yusuke Doi³, Masayuki Kimura⁴

Abstract:

Keywords:

References

Acknowledgments:

**Numerical integration of thermostated semiclassical Hamiltonian
lattice equations**

Jānis Bajārs^{1,*}, Juan F.R. Archilla²

Abstract:

Keywords:

References:

Acknowledgments:

Soliton dynamics in an oscillating magnetic field

Larissa Brizhik

Abstract:

Keywords:

References

Acknowledgments:

Effects of self-correlated Gaussian noise on the emergence of robust breathers in the ac-driven, dissipative sine-Gordon model

Duilio De Santis^{1,*}, Giovanni Di Fresco¹, Claudio Guarcello², Bernardo Spagnolo¹, Angelo Carollo¹, Davide Valenti¹

Abstract:

Keywords:

References

Acknowledgments:

Thermalization slowing down for weakly nonintegrable many-body dynamics.

Sergej Flach

Abstract:

Keywords:

Traveling Localized Vibrations in a Magnetically Coupled 2-DOF Resonators

Masayuki Kimura

Abstract:

Keywords:

Acknowledgments:

**Development of nonmonotonically propagating annealing of defects
with oscillating temperature at the wave front.**

Pavel Selyshchev

Abstract:

Keywords:

References