



CALL FOR PAPERS

ICNMP 2022
Apr 29-30, 2022
Jerusalem, Israel

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICNMP 2022 : International Conference on Nonlinear Mathematical Physics is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Nonlinear Mathematical Physics. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Algebraic and geometric methods of integrable equations
Bäcklund and Darboux transformations
Classical and quantum integrable systems
Continuous and discrete integrable equations
Cosmology and quantum gravity
Dynamical systems and chaos
Exactly and quasi-exactly solvable models
Geometrical methods in mathematical physics
Hirota method and Painlevé analysis
Lie groups and algebras, representation theory
Lie theory and differential equations

New type of solutions in integrable equations
Numerical computations of nonlinear wave problems
Orthogonal polynomials and special functions
Quantum algebras, quantum groups and noncommutative geometry
Solitary wave interactions and collisions
Stability theory of solitary waves
Supersymmetry and supergravity, strings and branes
Symmetries and separation of variables
Variational theories and Hamiltonian structures
Wave phenomena in the atmosphere and the ocean