



# CALL FOR PAPERS

**ICMPA 2020**  
**Mar 05-06, 2020**  
**Barcelona, Spain**

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.

ICMPA 2020 : International Conference on Mathematical Physics, and Applications is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Mathematical Physics, and Applications. 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  
Combinatorics  
Conformal Field Theory  
Continuous and discrete integrable equations  
Cosmology and quantum gravity  
Differential Geometric Methods in Theoretical Physics  
Differential, Algebraic Geometry and Topology in Physics  
Dynamical systems and chaos  
Equations of mathematical physics  
Exactly and quasi-exactly solvable models  
Geometrical methods in mathematical physics

Gromow-Witten Invariants  
Hirota method and Painlevé analysis  
Integrability, Geometry, Matrix models and Applied mathematics  
Lie groups and algebras, representation theory  
Lie theory and differential equations  
Mathematical models of nano-systems  
Mechanics, the theory of continuous media, gravitation  
Methods of Lie groups and Lie algebras  
Moduli Spaces of Algebraic Curves and Vector Bundles  
Multivariate Statistics and Growth Models  
New type of solutions in integrable equations  
Numerical computations of nonlinear wave problems  
Orthogonal polynomials and special functions