



GROUP33 July 13th-17th, 2020
Cotonou

The 33rd International Colloquium on Group
Theoretical Methods in Physics (Group33)

www.cipma.net/group33-cotonou-benin/

Expected plenary speakers

Francesca ARICI (Leiden University, The Netherlands)
Joseph Ben Geloun (University Paris 13, France)
Sylvain Carrozza (Perimeter Institute, Canada)
Sara Cruz y Cruz, Mexico, (SEPI, UPIITA-IPN, Mexico)
Mustafa Fall, (AIMS Senegal)
Hans G. Feichtinger (University Vienna, Austria)
Mama Foupouagnigni (AIMS Cameroon, Cameroon)
Razvan Gurau (Ecole Polytechnique, France)
Sonja Hohloch (University of Antwerp, Belgium)
Veronique Hussin, (Montreal University, Canada)
Sylvester James Gates (Brown University, USA)
Kangni Kinvi (Université Félix-Houphouët-Boigny, Côte d'Ivoire)
Sengul Kuru, (Ankara University, Turkey)
Maria Antonia Lledó, (Universidad de Valencia, Spain)
Robert de Mello Koch (University of the Witwatersrand, South Africa)
Barbara Tumpach (University Lille 1, France)
Aissa Wade (PenState University, USA)
Katrin Wendland (Albert-Ludwigs-Universität Freiburg, Germany)

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Topics

- Group theory, Lie groups, Semigroups, Lie superalgebras, representation theory, and harmonic analysis
- Combinatorics, Probability, statistical models, infinite dimensional analysis and related topics
- Integrable models, geometric mechanics, differential geometry methods and symmetry
- Quantum systems, quantum mechanics, quantification techniques and coherent states
- Supersymmetry, noncommutative geometry, string theory, quantum gravity, graph theory, and field theories
- Superintegrable and exact solvable systems, and Lie symmetries
- Clifford algebras, Clifford analysis and applications
- Hopf algebras, quantum groups, and K-theory,
- Hom-algebras, Lie groupoids, Lie algebroids and nonassociative algebras, Signal theory, wavelets, and related topics,
- Operator theory, differential/difference equations, orthogonal polynomials, and special functions
- Analysis, Control theory, mathematical biology/epidemiology,
- Fluid mechanics, partial differential equations and related topics
- Random matrix theory, etc.

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