ICGTMP

GROUP30

14-18 July 2014   **Ghent, Belgium**

30th International Colloquium on Group Theoretical Methods in Physics

Plenary speakers

Matthias Christandl (ETH Zürich, CH)
Alberto De Sole (Universita' di Roma ''La Sapienza'', IT)
Rui Loja Fernandes (University of Illinois at Urbana-Champaign, USA)
François Gay-Balmaz (LMD - Ecole Normale Supérieure de Paris, FR)
Gitta Kutyniok (Technische Universität Berlin, DE)
Amiram Leviatan (The Hebrew University, IL)
Karl-Hermann Neeb (Friedrich-Alexander-Universität, DE)
Nicolai Reshetikhin (University of California, USA)
Christoph Schweigert (Universität Hamburg, DE)
Luc Vinet (Université de Montréal, CA)

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W. Miller (University of Minnesota, US)
P.J. Olver (University of Minnesota, US)
T. Ratiu (Ecole polytechnique fédérale de Lausanne, CH)
I.T. Todorov (Bulgarian Academy of Sciences, BG)
C. Vafa (Harvard University, US)

Topics

Lie groups, Lie superalgebras, representation theory
Quantum systems and quantum mechanics
Group theory in quantum information theory and quantum computation
Statistical models, exact solutions
Integrable models and related topics
Symmetries and group theory in biosciences
Clifford algebras, Clifford analysis and applications
Wavelets
Hopf algebras and quantum groups
Geometric mechanics and symmetry
String theory, quantum gravity and conformal field theory
Superintegrable and exact solvable systems, special functions
Group theory in many-body systems
Random matrix theory

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