Symmetries in Mathematics and Physics II

IMPA, Rio de Janeiro, from 06/24 to 06/28.

Program
Auditorium Ricardo Mañe

Hour	Monday, 24	Tuesday, 25	Wednesday, 26	Thursday, 27	Friday, 28
9:30 - 10:00	**Registration**				
10:00 - 11:00	**M. Wakimoto** Mock modular representations of affine Lie superalgebras of rank 2	**R. Heluani** Mathiew's Moonshine	**I. Shestakov** Non-associative Lie Theory	**A. De Sole** Classical W-algebras	**B. Bakalov** Kac-Wakimoto hierarchies and W-constraints
11:00 - 11:15	Coffee Break				
11:15 - 12:15	**M. Gorelik** On the Kac-Wakimoto formulas for admissible modules	**N. Berkovits** Twisting the superstring	**E. Zelmanov** Identities in p- adic groups	**S-J. Cheng** Irreducible characters of the general Lie superalgebras	**T. Arakawa** W-algebras and Vinberg's problem for centralizers
12:15 - 14:15	Lunch				
14:15 - 15:15	**M. Vergne** Dahmen-Micchelli polynomials and equivariant K-theory	**E. Frenkel** Baxter relations and polynomiality of transfer-matrices		**D. Gaitsgory** One (vertex) ring to rule them all: a chiral (vertex) algebra responsible for quantum geometric Langlands correspondence	**V. Sokolov** Integrable differential equations with matrix variables
15:15 - 15:45	Coffee Break			Coffee Break	
15:45 - 16:45	**A. Braverman** Instantons and W-algebras	**R. Longo** Operator Algebraic Construction of Models in Conformal and Quantum Field Theory		**A. Okounkov** On some interesting Lie algebras	**Visions** Panel lead by V. Kac
17:00 - 19:00		**Cocktail**		**Screening of the film "Rites of Love and Math"** by E. Frenkel and R. Graves	