

# RECONTRES ALSACIENNES DE MATHEMATIQUE ET PHYSIQUE

Mulhouse les 7-8-9 june 2007

## Thursday 7 June:

**Chair:**

8h30		Welcome
9h00	M. Kibler	Variations on a theme of quons: fractional supersymmetric quantum mechanics and information theory
9h45	G. Moultaqa	Bohmian Quantum Mechanics and the possible comeback of determinism: hould we bother?
10h30		Coffe break
11h00	M. Capdequi-Peyranere	Variables angle-action and quantum mechanics
11h45	P. Grangé	Quantum fields on metrisable manifolds and causality
12h30		Lunch

**Chair:**

14h30	M. Bordermann	T.B.A.
15h15	E. Burgunder	Combinatoric conjecture of Kasiwara-Vergne and Lie idempotent
16h00		Coffe break
16h30	S. Benayadi	Symplectic structure on quadratic Lie algebras
17h15	H. de Guise	Symmetries and tomographic reconstruction of 3-level atomic systems
18h00		End of the day

## Friday 8 June:

**Chair:**

8h30	M. Markl	Natural differential operators and graph complexes
9h15	Y. Bahturin	Group Gradings on $G_2$
10h00		Coffe break
10h30	L. Lipatov	Integrability and maximal transcendentality in $N = 4$ SUSY
11h15	G. Volkov	Calabi-Yau classification and new algebras
12h00	A. Dubrovskiy	Berger graphs and ternary non-Abelian algebras
12h45		Lunch

**Chair:**

14h30	L. Wills-Toro	Novel Clover Extensions of the Space-time Symmetry and Dimensional Confinement
15h15	J.- P.Gazeau	Some examples on Berezin-Toeplitz quantization
16h00		Coffe Break
16h30	M. Valenzuela	Bosonization of super-Poincaré symmetry
17h15	M. Henkel	Non relativistics supersymmetry
18h00	N. Rivier	Algebraic graph theory applied to granular matter: Stability, jamming, normal modes in repelling grains.
18h45		End of the day
20h30		Banquet : ????

## Saturday 9 June:

Chair:

9h00	E. Remm	T.B.A.
9h45	R. Campoamor Stursberg	Contraction of Lie algebras invariant and scalars of subgroups
11h00	M. Goze	T. B. A.
11h45	M. Rausch de Trautenberg	Colored Lie algebras of order 3
12h30	End	

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