Groupoids and Stacks in Physics and Geometry

June 28 – July 2, 2004
CIRM Luminy

SCHEDULE

Monday, June 28, Morning Session		
9:00 –9:50	**Yvette Kosmann-Schwarzbach**	The infinitesimals of Lie groupoids: Lie algebroids
10:00 –10:50	**Lawrence Breen**	Gerbes and 2-groupoids
11:00	Coffee	
11:30 –12:20	**Kirill MacKenzie**	Gerbes avant la lettre

Afternoon Session		
4:30	Coffee	
5:00 –5:50	**Peter Bouwknegt**	T-duality and topology change
6:00 –6:50	**Eric Sharpe**	Some progress in the physics of string compactifications on stacks

Tuesday, June 29, Morning Session		
9:00 –9:50	**Jean Renault**	Continuous trace algebras and the Dixmier-Douady invariant
10:00 –10:50	**Ieke Moerdijk**	Gerbes, Torsors, and the classification of regular Lie groupoids
11:00	Coffee	
11:30 –12:20	**John Lott**	Higher-degree alalogs of the determinant line bundle

Afternoon Session		
4:30	Coffee	
5:00 –5:50	**Chenchang Zhu**	Integrating Lie algebroids via stacks
6:00 –6:50	**Alan Weinstein**	Integration of complex Lie algebroids

Wednesday, June 30, Morning Session		
9:00 –9:50	**Eckhard Meinrenken**	Equivariant cohomology and the Maurer-Cartan equation
10:00 –10:50	**Clemens Berger**	Higher groupoids and homotopy type
11:00	Coffee	
11:30 –12:20	**Ezra Getzler**	L_∞-algebras and n-groupoids

No Afternoon Session

Thursday, July 1, Morning Session		
9:00 –9:50	**Angelo Vistoli**	Twisted curves and logarithmic structures
10:00 –10:50	**Constantin Teleman**	Tensor product K-theory and the stack of G-bundles over a curve
11:00	Coffee	
11:30 –12:20	**Pierre Schapira**	Quantization-deformation modules on complex symplectic manifolds

Afternoon Session		
3:30 –4:20	**Carlos Simpson**	TBA
4:30	Coffee	
5:00 –5:50	**Bertrand Toen**	Moduli stack of dg-categories
6:00 –6:50	**Jonathan Block**	Noncommutative abelian varieties and nonabelian varieties

Friday, July 2, Morning Session		
9:00 –9:50	**Anton Alekseev**	Deformation quantization of coadjoint orbits
10:00 –10:50	**Alberto Cattaneo**	Coisotropic submanifolds and dual pairs
11:00	Coffee	
11:30 –12:20	**Charles-Michel Marle**	The cotangent groupoid to a semi-direct product of Lie groupoids

Afternoon Session		
2:30 –3:20	**Jean-Louis Tu**	Twisted K-theory of groupoids
3:30 –4:20	**Jouko Mickelsson**	Twised K-theory invariants
4:30	Coffee	