

« Higher Structure in Geometry and Physics »
I.H.P. Paris - January 15th – 19th, 2007

Monday 15

9 :15 – 10 :45	Huebschmann <i>Coffee Break</i>	Origins and Breadth of the Theory of Higher Homotopies
11 :15 – 12 :45	Giaquinto	45 years of algebraic deformations
14 :30 – 15 :30	Kontsevich	On Calabi-Yau categories and their moduli
15 :45 – 16 :45	Merkulov <i>Coffee Break</i>	Quantization of strongly homotopy Lie bialgebras
17 :15 – 18 :15	Sternheimer	The deformation philosophy, quantization of space time and baryogenesis

Tuesday 16

9 :00 – 10 :00	Torossian	Bi-quantization and applications for symmetric spaces
10 :15 – 11 :15	Loday <i>Coffee Break</i>	Beyond Hopf algebras
11 :45 – 12 :45	Gutt	Quantization and special connections
14 :30 – 15 :30	Keller	Categorification of acyclic cluster algebras
15 :45 – 16 :45	Sullivan <i>Coffee Break</i>	Model Algebras for Various Theories with Systems of Moduli Spaces
17 :15 – 18 :15	Kapranov	Free Lie algebroids and the space of paths
18 :30 – 20 :00	<i>Reception</i>	

Wednesday 17

9 :00 – 10 :00	Kosmann-Schwarzbach	Gleaning in the (modular) fields: topics in Lie algebroid theory
10 :15 – 11 :15	Getzler <i>Coffee Break</i>	Descent for L_∞ -algebras and \mathfrak{n} -groupoids
11 :45 – 12 :45	Tsygan	One the Gauss-Manin connection in cyclic homology

Thursday 18

9 :00 – 10 :00	Breen	Connections and Cohomology
10 :15 – 11 :15	Felder <i>Coffee Break</i>	Elliptic gamma functions, gerbes and triptic curves
11 :45 – 12 :45	Latshev	Symplectic field theory and string topology
14 :30 – 15 :30	Kajiura	Homological perturbation theory and homological mirror symmetry : the \mathbb{R}^2 case
15 :45 – 16 :45	Weinstein	S^1/\mathbb{Z} : quantum group or groupoid ?

Friday 19

9 :00 – 10 :00	Schapira	Finiteness and duality on complex symplectic manifolds
10 :15 – 11 :15	Fukaya <i>Coffee Break</i>	Homological algebra for open Gromov-Witten theory of higher genus
11 :45 – 12 :45	Baum	Algebra deformation and topological representation theory