
Corfu Summer School and Workshop on Quantum Gravity and Quantum Geometry

(3rd week, 14th - 19th September 2009)

Monday 14th Sep

School		
09.00 - 10.00	Loop Quantum Gravity	A. Ashtekar
10.00 - 11.00	Spin networks and quantum gravity	J. Barrett
11.00 - 11.30	Coffee Break	
11.30 - 12.30	Categorification in Fundamental Physics	J. Baez
12.30 - 13.30	Loop Quantum Gravity	A. Ashtekar
13.30 - 16.00	Lunch Break	
16.00 - 16.45	Discussion session	
Workshop		
16.45 - 17.30	Asymptotic Safety and Background Independence in Quantum Gravity	M. Reuter
17.30 - 18.00	Reduced phase space quantization of Loop Quantum Gravity	K. Giesel
18.00 - 18.30	Coffee break	
18.30 - 19.15	Geometry and observables in (2+1)-gravity	C. Meusburger
19.15 - 19.45	Noncommutative black holes	P. Schupp
19.45 - 20.15	Asymptotics of four-dimensional spin foam models	W. Fairbairn

Tuesday 15th September

School		
09.00 - 10.00	Categorification in Fundamental Physics	J. Baez
10.00 - 11.00	Spin networks and quantum gravity	J. Barrett
11.00 - 11.30	Coffee Break	
11.30 - 12.30	Spin networks and quantum gravity	J. Barrett
12.30 - 13.30	Loop Quantum Gravity	A. Ashtekar
13.30 - 16.00	Lunch Break	
16.00 - 16.45	Discussion session	
Workshop		
16.45 - 17.30	Noncommutative differentials on $U_q(\mathfrak{su}_2)$ and 3D quantum gravity	S. Majid
17.30 - 18.00	Kappa-deformed oscillators and kappa-statistics	J. Lukierski
18.00 - 18.30	Coffee break	
18.30 - 19.00	Equivariant Dimensional Reduction and Quiver Gauge Theory	B. Dolan
19.00- 19.30	Quantum Geometry of the M5-brane in a Constant C-Field from Multiple Membranes	C. - S. Chu
19.30 - 20.00	Hopf algebra symmetry and Diffeomorphism in String	S. Watamura
20.00 - 20.30	Gravitational anomaly and fundamental forces	J. van der Bij

Wednesday 16th September

School		
09.00 - 10.00	Spin networks and quantum gravity	J. Barrett
10.00 - 11.00	Loop Quantum Gravity	A. Ashtekar
11.00 - 11.30	Coffee Break	
11.30 - 12.30	Loop Quantum Gravity	A. Ashtekar
12.30 - 13.30	Categorification in Fundamental Physics	J. Baez
13.30 - 16.00	Lunch Break	

FREE AFTERNOON

Thursday 17th September

School		
09.00 - 10.00	Spin networks and quantum gravity	J. Barrett
10.00 - 11.00	Covariant loop quantum gravity and its low-energy limit	C. Rovelli
11.00 - 11.30	Coffee Break	
11.30 - 12.30	Covariant loop quantum gravity and its low-energy limit	C. Rovelli
12.30 - 13.30	Renormalization in Fundamental Physics	V. Rivasseau
13.30 - 16.00	Lunch Break	
16.00 - 17.00	Renormalization in Fundamental Physics	V. Rivasseau
17.00 - 17.30	Discussion session	
Workshop		
17.30 - 18.15	What does high energy scattering teach us about the quantum physics of gravity?	S. Giddings
18.15 - 18.45	Noncommutative gravity solutions	P. Aschieri

ESF QG network SC meeting starts at 18.45 in Mon Repos Palace.

Friday 18th September

School		
09.00 - 10.00	Covariant loop quantum gravity and its low-energy limit	C. Rovelli
10.00 - 11.00	Renormalization in Fundamental Physics	V. Rivasseau
11.00 - 11.30	Coffee Break	
11.30 - 12.30	Renormalization in Fundamental Physics	V. Rivasseau
12.30 - 13.30	Categorification in Fundamental Physics	J. Baez
13.30 - 16.00	Lunch Break	
16.00 - 16.45	Discussion session	
Workshop		
16.45 - 17.30	Noncommutative renormalizable Quantum Field Theory	H. Grosse
17.30 - 18.00	Matrix Models, Quantum Spaces, and Gravity	H. Steinacker
18.00 - 18.30	Coffee break	
18.30 - 19.00	UV/IR duality in noncommutative quantum field theory	R. Szabo
19.00- 19.30	Fuzzy Riemann surfaces	J. Hoppe
19.30 - 20.00	Asymptotically flat spacetimes revisited	G. Barnich
20.00 - 20.30	Emergent and Evaporating Geometry	D. O'Connor

Saturday 19th September

School		
09.00 - 10.00	Renormalization in Fundamental Physics	V. Rivasseau
10.00 - 11.00	Covariant loop quantum gravity and its low-energy limit	C. Rovelli
11.00 - 11.30	Coffee Break	
11.30 - 12.30	Categorification in Fundamental Physics	J. Baez
12.30 - 13.30	Covariant loop quantum gravity and its low-energy limit	C. Rovelli
13.30 - 16.00	Lunch Break	
16.00 - 16.45	Discussion session	
Workshop		
16.45 - 17.30	Spin-foams from the LQG point of view	J. Lewandowski
17.30 - 18.00	2-group representations and spin foam models	A. Baratin
18.00 - 18.30	Coffee break	
18.30 - 19.00	On asymptotics of spin networks	R. Littlejohn
19.00- 19.30	Gauge symmetry breaking in matrix models	F. Lizzi