

Workshop on Noncommutative Field Theory and Gravity

Corfu, Greece, September 7 - 11, 2011

Programme

Wednesday 7 September

Arrival Day

Thursday 8 September

9.30-10.20	<i>Renormalization of the Yang-Mills spectral action</i>	Walter van Suijlekom (Nijmegen U.)
10.20-10.50	<i>Bundles over quantum projective spaces</i>	Tomasz Brzezinski (Swansea U.)
10.50-11.20	Coffee Break	
11.20-11.50	<i>Twist deformations of module homomorphisms and connections</i>	Alexander Schenkel (Wurzburg U.)
11.50-12.20	<i>Split noncommutativity and compactified brane solutions in matrix models</i>	Harold Steinacker (Vienna U.)
12.20-16.00	Lunch break	
16.00-16.50	<i>Minimal length in quantum space and integration of the line element in noncommutative geometry</i>	Pierre Martinetti (Univ. Roma)
16.50-17.20	<i>From the Ehlers-Pirani-Schild analysis on the foundations of gravitational theories to extended theories of gravity and dark matter</i>	Mauro Francaviglia (Torino U.)
17.20-17.50	Coffee Break	
17.50-18.20	<i>Nambu Sigma Model</i>	Peter Schupp (Bremen U.)
18.20-18.40	<i>Quantization of the symplectic groupoid</i>	Francesco Bonechi (INFN, Firenze)

Friday 9 September

9.30-10.20	<i>Quantum Nambu Bracket in String theory</i>	Chong-sun Chu (Durham U.)
10.20-10.50	<i>Strings, permutations and quantum fields</i>	Sanjaye Ramgoolam (Queen Mary, U. London)
10.50-11.20	Coffee Break	
11.20-11.50	<i>Quantization of 2-plectic Manifolds</i>	Christian Saemann (Heriot-Watt U.)
11.50-12.20	<i>Non-commutative branes and model building in the type IIB matrix model</i>	Athanasios Chatzistavarakidis (Bonn U.)
12.20-12.40	<i>Non-geometric Fluxes, Asymmetric Strings and Nonassociative Geometry</i>	Erik Plauschinn (Utrecht U.)
12.40-16.00	Lunch break	
16.00-16.50	<i>Classical and perturbative topological field theories with boundary</i>	Alberto Cattaneo (Zurich U.)
16.50-17.20	<i>Perturbative theory of general 3d TFT</i>	Maxim Zabzine (Uppsala U.)
17.20-17.50	Coffee Break	
17.50-18.20	<i>Gauge fixing and dynamical r-matrices in (2+1)-gravity</i>	Catherine Meusburger (Erlangen-Nürnberg U.)
18.20-18.50	<i>Induced standard model and the spectral action</i>	John Barrett (Nottingham U.)

Saturday 10th September

9.30-10.20	<i>Spectral action, scale anomaly and the Higgs-Dilaton potential</i>	Fedele Lizzi (Napoli U.)
10.20-10.50	<i>Noncommutative spectral geometry, algebra doubling and the seeds of quantization</i>	Mairi Sakellariadou (King's College London)
10.50-11.20	Coffee Break	
11.20-11.50	<i>The construction of 2-d Grosse-Wulkenhaar model</i>	Zhituo Wang (U Paris XI)
11.50-12.20	<i>Phase structures in fuzzy geometries</i>	Thupil Govindarajan (IMSc, Chennai)
12.20-12.40	<i>The Noncommutative Ward Metric</i>	Olaf Lechtenfeld (Hannover U.)
12.40-16.00	Lunch Break	
16.00-16.30	<i>Operational geometry and natural noncommutativity</i>	Chryssomalis Chryssomalakos (UNAM)
16.30-16.50	<i>Fuzzy spaces from tensor models, cyclicity condition, and n-ary algebras</i>	Naoki Sasakura (Yukawa Inst.)
16.50-17.10	<i>A twisted look on kappa-Minkowski: U(1) gauge theory</i>	Marija Dimitrijevic (Belgrade U.)
17.10-17.40	Coffee Break	
17.40-18.00	<i>Nahm transformation and Boundary state in T²</i>	Satoshi Watamura (Tohoku U.)
18.00-18.20	<i>Calabi-Yau Manifolds, Hermitian Yang-Mills Instantons and Mirror Symmetry</i>	Hyun Seok Yang (Ewha Womans U.)
18.20-18.40	<i>Noncommutative model of color particle confinement</i>	Viacheslav Khruschov (Kurchatov Inst.)

Sunday 11 September

Departure Day