

## Theoretical Developments

*Monday 4:20 - 6:00 Harald Markum*

### Salmon Lecture Theatre

Yannick Meurice	Is there a third-order phase transition in quenched QCD?
Wolfgang Soeldner	Numerical Results for Normal Modes in Lattice QCD
Stam Nicolis	Unitary evolution on a discrete phase space
Donald Sinclair	Lattice simulations of Born-Infeld non-linear QED
Sarbari Banerjee	The Symmetry Breaking in the Statistical Model

*Tuesday 4:00 - 6:00 Mike Creutz*

### Salmon Lecture Theatre

Fernando Garcia Flores	Simulating the scalar field on the fuzzy sphere
Julieta Medina	Field Theory Simulations on a Fuzzy Sphere - an Alternative to the Lattice
Jan Volkholz	Simulation Results of QED in a Non-commutative Spacetime
Antonio Garcia-Garcia	Chiral phase transition as a localization - delocalization transition
Bjorn Leder	Perturbative renormalisation of the chiral Gross-Neveu model
Tomasz Korzec	Monte-Carlo simulation of the chiral Gross-Neveu model

*Wednesday 9:00 - 10:40 Simon Catterall*

### Salmon Lecture Theatre

Alessandro D'Adda	Lattice superspace
Alessandra Feo	Dynamical supersymmetry breaking and phase diagram of the lattice Wess-Zumino model
Joel Giedt	Slow-down, acceleration and finite-size scaling in supersymmetric systems on the lattice
Tomohisa Takimi	Study of Supersymmetric Lattice Model from Matrix Model beyond Tree Level
Noboru Kawamoto	N=2 Twisted Super Yang-Mills on a Lattice in Two Dimensions

*Thursday 2:10 - 3:50 Meinulf Göckeler*

### East End 3

Wosiek Jacek	Supersymmetric Yang-Mills quantum mechanics in various dimensions
Hiroto So	Leibniz rule and exact supersymmetry on lattice -a case of supersymmetrical quantum mechanics
Maciej Trzetrzelewski	The study of SU(3) super Yang-Mills quantum mechanics
Vivien de Beauce	Towards an algebraic approach to the discretisation of fermions
Steven Watterson	Chiral fermions at low computational cost using finite element methods

*Thursday 4:20 - 6:00 TBA*

### East End 3

Harvey Meyer	Kosterlitz-Thouless transition on the worldsheet of the QCD string
Richard C. Brower	Evidence for the BFKL Pomeron from String/Gauge Duality
Francesco Knechtli	Gauge theories on a five-dimensional orbifold
Uwe-Jens Wiese	The Status of D-Theory
Helvio Vairinhos	Phase transitions and non-analyticities in large $N_c$ gauge theories

*Friday 2:10 -3:50 Jim Hetrick*

### East End 3

Kei-ichi Nagai	Testing Topology Conserving Gauge Actions for Lattice QCD
Paul Rakow	Stochastic Perturbation Theory and the Gluon Condensate
Giancarlo Rossi	Lattice QCD at maximal twist
Paulo Silva	The IR gluon propagator from lattice QCD
Orlando Oliveira	Finite volume effects in gluon propagator

*Posters*

Apoorva Patel  
Michael Teper  
Fermin Viniegra

Large-N QCD at strong transverse gauge coupling  
Large N  
Matrix models, gravity and spectral dimension