

T(R)OPICAL QCD II WORKSHOP
 26.09.2010- 01.10.2010
 CAIRNS - AUSTRALIA

Sunday, 26 September

17.30 – 18.00	REGISTRATION	TROPICAL SMALL POOL ON THE CONFERENCE LAWN
18.00 – 19.30	RECEPTION	TROPICAL SMALL POOL ON THE CONFERENCE LAWN

Monday, 27 September

9.00 – 9.30	WORKSHOP OPENING	
	Session Chair: Tony Thomas	
9.30 - 10.00	David Richards	First-Principles Calculations of the Excited-State Spectrum of QCD
10.00 - 10.30	Fridolin Weber	QCD in Neutron Stars and Strange Stars
10.30 - 11.00	Coffee/Tea Break	
	Session Chair: Tony Williams	
11.00 - 11.30	Herbert Fried	Gauge-Invariant QCD and Effective Locality
11.30 – 12.00	Matthew Shepherd	Exploring QCD in Decays of Charmonium
12.00 – 12.30	Ross Young	Precision Measurement of the Weak Charges of Quarks
12.30 - 13.30	Lunch Break	
13.30 - 15.30	Free time for discussions	
	Session Chair: Wally Melnitchouk	
15.30 - 16.00	Matthias Burkardt	Transverse (Spin) Structure of Hadrons
16.00 - 16.30	Jonathan Carroll	The Proton; Size Does Matter
16.30 - 17.00	Coffee/Tea Break	
	Session Chair: Karl Jansen	
17.00 - 17.30	Derek Leinweber	Excited States of The Nucleon in 2+1 Flavour QCD
17.30 - 18.00	Kazuo Tsushima	In-Medium J / Ψ Mass and J / Ψ -Nuclear Bound States

Day 2		
Tuesday, 28 September		
Session Chair: Gerrit Schierholz		
9.00 - 9.30	Attilio Cucchieri	Feynman Gauge on the Lattice: New Results and Perspectives
9.30 - 10.00	Karl Jansen	Light Quarks with Maximally Twisted Mass Fermions
10.00 - 10.30	Waseem Kamleh	Polynomial Filtering for a Single Fermion Flavour in Lattice QCD
10.30 - 11.00	Coffee/Tea Break	
Session Chair: Fridolin Weber		
11.00 - 11.30	Leonid Glozman	Chiral and Angular Momentum Content of ρ and ρ' Mesons from Dynamical Lattice Simulations
11.30 - 12.00	Emilio Ribeiro	QCD Relics of Astrophysical Relevance
12.00 - 12.30	Jonathan Hall	Chiral Effective Field Theory Beyond the Power Counting Regime
12.30 - 13.30	Lunch Break	
13.30 - 15.00	Free time for discussions	
Session Chair: Herbert Fried		
15.00 - 15.30	Tom Cohen	The large N_c limits of QCD
15.30 - 16.00	Adam Szczepaniak	Application of Dispersion Relations in Partial Wave Analysis
16.00 - 16.30	Coffee/Tea Break	
Session Chair: Craig Roberts		
16.30 - 17.00	Vladimir Miransky	Dynamics Behind the Quark Mass Hierarchy
17.00 - 17.30	Yu-Xin Liu	Phase Transitions of Strong Interaction System in Dyson-Schwinger Equation Approach
17.30 - 18.00	Adnan Bashir	Number of Flavours and Dynamics of Gauge Theories
18.15 - 20.00	POSTER SESSION	JARDINES ROOM
Day 3		
Wednesday, 29 September		
FREE DAY		

Day 4		
Thursday, 30 September		
	Session Chair: Tom Cohen	
9.00 - 9.30	Gerrit Schierholz	Hadron Resonances and Decays from the Lattice
9.30 - 10.00	Colin Morningstar	Excited States Using the Stochastic Laph Method
10.00 - 10.30	James Zanotti	Hyperon Structure in 2+1 QCD
10.30 - 11.00	Coffee/Tea Break	
	Session Chair: Vladimir Miransky	
11.00 - 11.30	Craig Roberts	T(r)opical Dyson-Schwinger Equations
11.30 - 12.00	Jose Rodriguez-Quintero	The Low-Momentum Ghost Dressing Function, the Gluon Mass and the Transition Between Decoupling and Scaling IR Solutions
12.00 - 12.30	Ayse Kizilersu	Non-perturbative QED Analysis with Schwinger Dyson Equations
12.30 - 13.30	Lunch Break	
	Session Chair: Matthew Shepherd	
13.30 - 14.00	Elena Santopinto	Unquenched Quark Model
14.00 - 14.30	Rafaella De Vita	Meson Spectroscopy At CLAS And CLAS12: the Present and the Future
14.30 - 15.00	Shigemi Ohta	Nucleon Structure from 2+1f Dynamical DWF Lattice QCD
15.00 - 15.30	Coffee/Tea Break	
	Session Chair: Emilio Ribeiro	
15.30 - 16.00	Geoff Taylor	Plans for the ARC Centre of Excellence for Particle Physics at the Tera-Scale
16.00 - 16.30	Philippe de Forcrand	Nuclear Physics from Lattice QCD at Strong Coupling
16.30 - 17.00	Chengfu Mu	Evaluating the Phase Diagram at Finite Isospin and Baryon Chemical Potentials in the Nambu Jona-Lasinio Model
18.30	BUS DEPARTURE	TO TJAPUKAI ABORIGINAL CULTURAL PARK
19.00 -20.00	PRE DINNER SHOW	AT TJAPUKAI ABORIGINAL CULTURAL PARK
20.00	DINNER	AT TJAPUKAI ABORIGINAL CULTURAL PARK
22.00	BUS DEPARTURE	TO CAIRNS COLONIAL CLUB

Day 5		
Friday, 01 October		
	Session Chair: Philippe de Forcrand	
9.30 - 10.00	Hugo Reinhardt	Hamiltonian Approach to Yang-Mills Theory in Coulomb Gauge
10.00 - 10.30	Michele Pepe	String Effects in the Yang-Mills Theory
10.30 - 11.00	Ahmed El Bakry	Thermal Delocalization of the Flux Tubes in Static Mesons and Baryons
11.00 - 11.30	Coffee/Tea Break	
	Session Chair: David Richards	
11.30 - 12.00	Tetsuo Hatsuda	Baryon-Baryon Forces from Lattice QCD
12.00 - 12.30	Wally Melnitchouk	Weak Charge of the Proton: Loop Corrections to Parity-Violating Electron Scattering
12.30 - 13.30	Lunch Break	
13.30 - 15.00	Free time for discussions	
	Session Chair: Adam Szczpaniak	
15.00 - 15.30	Hrayr Matevosyan	Fragmentation Functions from NJL-Jet Model
15.30 - 16.00	Ping Wang	The First Moments of Nucleon GPDs
16.00 - 16.30	Coffee/Tea Break	
	Session Chair: Tetsuo Hatsuda	
16.30 - 17.00	Bingsong Zou	Five-Quark Components and Breathing Mode for Baryons
17.00 - 17.30	Sebastian Neubert	Hadron Spectroscopy at COMPASS
17.30 - 18.00	Tony Thomas	Low Energy Tests of the Standard Model
	WORKSHOP CLOSING	