



# QCD Downunder 2017

**Tuesday, 11 July 2017**

*Session Chair: Ralph Gothe*

9.00	Martin SEVIOR	The role of QCD in interpreting the physics of Belle II
9.40	Sophie HOLLITT	Understanding B physics in the Standard Model: lattice QCD and the Belle II experiment
10.10	Asobu SUZUKI	Calculation of decay constant using gradient flow, towards the Kaon bag parameter
<b>10.30</b>	<b>Coffee Break</b>	

*Session Chair: Peter Tandy*

11.00	Chris ALLTON	Hadrons at tropical temperatures: parity and strangeness effects
11.30	Josh CHARVETTO	Interactions in the vacuum and the chiral magnetic effect on the lattice
11.50	Kim SOMFLETH	Gluonic structure of the nucleon
12.10	Jacob BICKERTON	Transverse spin structure of the octet baryons using lattice QCD
<b>12.30</b>	<b>LUNCH – Mizuna Resturant</b>	
<b>15.00</b>	<b>Coffee Break</b>	

*Session Chair: Takeshi Yamazaki*

15.30	Shoichi SASAKI	Nucleon structure from 2+1 flavor lattice QCD near the physical point
16.00	Hrayr MATEVOSYAN	Two-hadron correlations in polarized quark hadronization
16.30	JiaJun WU	The new method to extract the spectra of irreducible representation of lattice

**Wednesday, 12 July 2017**

**FREE DAY**

# QCD Downunder 2017

Thursday, 13 July 2017

*Session Chair: Fernanda Steffens*

9.00	Gerrit SCHIERHOLZ	Hadron structure functions and PDFs from lattice operator product expansion
9.30	Taylor HAAR	Single flavour pseudofermions on the lattice
9.50	Junpei KAKAZU	Electromagnetic pion form factor at physical point from $N_f = 2+1$ QCD
10.10	Kay-Marie MARTINEZ	Parameter optimisation for the quark-meson coupling model using the POUNDERS algorithm
<b>10.30</b>	<b>Coffee Break</b>	

*Session Chair: Shoichi Sasaki*

11.00	Waseem KAMLEH	Landau mode quark operators for the nucleon in a magnetic field
11.30	Ryan BIGNELL	Nucleon magnetic properties using Landau mode operators with the background field method
11.50	Zachary KOUMI	Hadron spectroscopy from lattice QCD+QED
12.10	Alex WESTIN	Towards a full QED + QCD calculation of the leading order HVP in the muon's anomalous magnetic moment
<b>12.30</b>	<b>LUNCH – Mizuna Resturant</b>	
<b>15.00</b>	<b>Coffee Break</b>	

*Session Chair: Jack Dragos*

15.30	Alexander CHAMBERS	Hadron structure from the Feynman-Hellmann theorem
16.00	Derek LEINWEBER	Nature of the Roper Resonance
16.30	Anthony WILLIAMS	Direct detection of Dark Matter
<b>19.00</b>	<b>Workshop Dinner Room M1</b>	

# QCD Downunder 2017

Friday, 14 July 2017

*Session Chair: Chris Allton*

**9.00**      **No Talk**

9.30      Cristian PISANO      Three-dimensional parton distributions inside the nucleon

10.00      Jack DRAGOS      Electric dipole moment results from lattice QCD

**10.30**      **Coffee Break**

*Session Chair: Wally Melnitchouk*

11.00      Fernanda STEFFENS      Recent developments on computing PDFs using the quasi-PDF approach

11.30      Stephen TRONCHIN      Structure functions in-medium and the EMC effect

11.50      Ali ALKATHIRI      Implications of charge symmetry violation in the determination of strangeness form factors

12.10      James ZANOTTI      Isospin breaking effects on nucleon structure from lattice QCD+QED

**12.40**      **LUNCH and Workshop Close**