

# IMR CDT RESEARCH CONFERENCE

## Programme

University of Dundee

Friday 11<sup>th</sup> – Saturday 12<sup>th</sup> April 2014

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### Friday, April 11

#### Harris Lecture Theatre, Harris Building

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13:00 – 14:00      *Lunch*

#### INVITED LECTURE

**Chairman: David Keeble**

14:00 – 14:50      Hyperpolarized Gas Magnetic Resonance

Jim Wild

14:50 – 15:10      Speed-up Methods for Fast Field-Cycling MRI

James Ross

15:10 – 15:30      NMR and INS investigation of H<sub>2</sub>O@C<sub>60</sub>

Kelvin Goh

15:30 – 16:00      *Tea Break*

*Foyer*

#### INVITED LECTURE

**Chairman: Graham Smith**

16:00 – 16:50      Weakly Coupled Biradicals in Magnetic Resonance - From  
Nanometre Distance Measurements to Reaction Operators

Bela Bode

16:50 – 17:10      Orientation PELDOR as a tool for solving biomolecular structure

Johannes McKay

17:10 – 17:30      GPa uniaxial stress of single crystal samples

Matthew Dale

17:30 – 18:30      *Poster Session*

*Foyer*

19:30 – 21:00      *Conference and Workshop Dinner*

*Malmaison Hotel*

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### Saturday, April 12

#### Harris Lecture Theatre, Harris Building

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#### INVITED LECTURE

Chairman: John Hanna

09:00 – 09:50      Nuclear Spin Isomers and Long Lived States

Malcolm Levitt

09:50 – 10:10      Electrochemical Electron Paramagnetic Resonance (ECEPR) utilizing  
micro-electrodes and loop gap resonators

Mika Tamski

10:10 – 10:30      Electrically Detected Magnetic Resonance on Solar Cell Materials

Stephen Hogg

10:30 – 10:50      *Coffee Break*

*Foyer*

#### INVITED LECTURE

**Chairman: Malcolm Levitt**

10:50 – 11:40      Investigating disorder in the solid state using NMR spectroscopy

Sharon Ashbrook

11:40 – 12:00      A Mutlinuclear MAS and Static NMR Study of Sr<sub>2</sub>Sc<sub>2-x</sub>Ga<sub>x</sub>O<sub>5</sub>  
Perovskite Fuel Cell Materials and Rare-Earth Containing GeS<sub>2</sub>-Ga<sub>2</sub>S<sub>3</sub>  
Calcogenide

Stephen Day