

Conference Programme

Sunday 20 th March		
1500	<i>Hotel Check-in opens</i>	<i>Marwell Hotel reception</i>
1600-1800	<i>Conference Registration</i>	<i>Marwell Hotel reception</i>
1800-1930	<i>Dinner</i>	<i>Maplethorpe</i>

Monday 21 st March		
0700-0900	<i>Breakfast</i>	<i>Dining Room</i>
Session 1 Chair: Marcel Utz		Maplethorpe
0900-0905		Mark Newton Welcome and Conference Opening
0905-0955	K1	Alexej Jerschow Keynote: In Situ MRI of Batteries and Electrochemical Devices
0955-1015	O1	Vasileios Zampetoulas Calibration of a Fast Field-Cycling NMR Relaxometer for Measurements on Biological Samples that extend to the μ T region
1015-1035	O2	Graeme Finch Multinuclear NMR in Microfluidic Devices Using an Optimised Detector
1035-1110	<i>Tea and Coffee</i>	
		<i>Maplethorpe Balcony</i>
Session 2 Chair: Giuseppe Pileio		Maplethorpe
1110-1130	O3	Josh Clark Co(III) study of Fischer-Tropsch catalyst precursors via solid state NMR
1130-1150	O4	Maria Vlachou The Use of Solid State ^{17}O MAS NMR Methods to Investigate Oxide Supports for Precious Metal Catalysts
1150-1210	O5	Michael Jolly A Novel Approach to Protein Assignment in Solid-State Nuclear Magnetic Resonance
1210-1230	O6	Sam Page Using ^{17}O NMR to monitor the Incorporation of Ca^{2+} and Zn^{2+} in Stöber Bioglasses.
1230-1400	<i>Lunch</i>	
		<i>Dining Room</i>
Session 3 Chair: John Hanna		Maplethorpe
1400-1450	K2	Lyndon Emsley Keynote: Surface enhanced NMR spectroscopy
1450-1510	O7	Daniel Wisniewski Applications of kinetic Monte Carlo algorithms in Dynamic Nuclear Polarization
1510-1530	O8	Thomas Hooper The Development of ^{105}Pd Solid State NMR Methodologies in the Study of Palladium Nanoparticles
1530-1600	<i>Tea and Coffee</i>	
		<i>Maplethorpe Balcony</i>
Session 4 Chair: Mark Newton		Maplethorpe
1600-1650	K3	Christiane Timmel Keynote: Triplet state delocalisation in linear and cyclic porphyrin arrays
1650-1710	O9	Anton Tcholakov High resolution electron paramagnetic resonance.
1710-1740	O10	Claire Motion DEER sensitivity between iron centers and nitroxides in heme-containing proteins improves dramatically using broadband, high-field EPR
1830-1945	<i>Dinner</i>	
		<i>Maplethorpe</i>
1945-2045	After Dinner Speaker: Jim Emsley	
		<i>Maplethorpe</i>

Tuesday 22nd March			
0700-0900	<i>Breakfast</i>		<i>Dining Room</i>
Session 5 Chair: Malcolm Levitt			Maplethorpe
0900-0950	K4	Gareth Morris	Keynote: Pure Shift NMR: Recent Advances and Applications
0950-1010	O11	Stuart Elliott	Long-Lived Nuclear Spin States in Monodeuterated Methyl Groups
1010-1030	O12	Ben Henderson	Using a six channel spectrometer to analyse dissolution DNP samples
1030-1100	<i>Tea and Coffee</i>		<i>Maplethorpe Balcony</i>
Session 6 Chair: Alexej Jerschow			Maplethorpe
1100-1120	O13	Gabriele Stevanato	Long-lived states in multi-spin systems
1120-1140	O14	Zenawi Welderufael	Large-scale modelling of chemical exchange processes in NMR
1140-1200	O15	Nick Payne	A Q-switch to reduce ringing in low frequency RF coils.
1200-1220	O16	Adam Gaunt	Micro-Imaging Probe for Rapid Imaging with Dissolution DNP.
1220-1330	<i>Lunch</i>		<i>Dining Room</i>
1330-1545	<p style="text-align: center;">Sightseeing – Marwell Zoo</p> <p style="text-align: center;"><i>Exit the main hotel building, walk across the car park and follow the signs to the Marwell Wildlife Park.</i></p> <p style="text-align: center;">(please note tickets valid for 2 hours only)</p>		
1545-1615	<i>Tea and Coffee</i>		<i>Maplethorpe Balcony</i>
Industry Session Chair: Mark Newton			Maplethorpe
1615-1745	Industrial session		University of Warwick – Mark Newton Cryogenic – Eugeny Kryukov Bruker – Eriks Kupče
1800-1830	<i>Cash bar open for pre-dinner drinks</i>		<i>The Bar</i>
1830-2000	<i>Conference Banquet</i>		<i>Dining Room</i>

Wednesday 23rd March			
0700-0900	<i>Breakfast</i>		<i>Dining Room</i>
by 1100	<i>Check-out</i>		<i>Marwell Hotel reception (luggage room available)</i>
Session 7 Chair: Graham Smith			Maplethorpe
0900-0950	K5	Gunnar Jeschke	Keynote: Spin Dynamics During Frequency-Swept Microwave Pulses.
0950-1010	O17	David Goodwin	Methods of Optimal Control in Magnetic Resonance
1010-1030	O18	Angeliki Giannoulis	Pulsed EPR on Cu(II), Co(II) ions and nitroxide biradicals.
1030-1100	<i>Tea and Coffee</i>		<i>Maplethorpe Balcony</i>
Session 8 Chair: Chris Wedge			Maplethorpe
1100-1120	O19	Adam El-qmache	EPR of Fe ³⁺ centres in single crystal SrTiO ₃
1120-1140	O20	Michael Stevens	Tripartite Motif Family Proteins as a Playground for Pulsed Electron Paramagnetic Resonance.
1140-1200	O21	Sinead Mottishaw	Investigating Energy Levels of Silicon Vacancy Centres in Diamond.
1200-1220	O22	Ben Breeze	Optical spin polarisation of the N ₃ V and N _s ⁰ defects in diamond
1220-1400	<i>Lunch</i>		<i>Dining Room</i>
Session 9 Chair: Bela Bode			Maplethorpe
1400-1420	O23	James Wilman	Optimizing Spin Properties of Paramagnetic Quantum Dots
1420-1440	O24	Angelo Frangeskou	Nitrogen vacancy centres and levitated nanodiamonds
1440-1500	O25	Edward Breeds	A Novel Method using a Mid-IR driven Temperature-Jump to achieve DNP Enhanced Liquid State NMR Spectroscopy with <i>in situ</i> Recycling
1500-1505		Malcolm Levitt	Closing Remarks
1505	DEPARTURE		
1530	Coach leaves for Southampton Airport Parkway <i>please be on the coach by 1525 to ensure a prompt departure</i>		