Virtual CMR Conference 25th June 2020

35+5 min background talks | 15+5 min research talks | 3 min flash presentations

		Session 1 Chair: Graham Smith
9:00	Michael Buehl	Computation of NMR and EPR parameters from first principles
9:40	Janet Lovett	StAnD EPR
10:20	David McKay	Investigating disordered inorganic solids by combining ensemble or structure-searching computational models with NMR spectroscopy
10:40	Katrin Ackermann	Nanomolar pulse dipolar EPR measurements using commercial labelling and hardware
10:43	Zachary Davis	Solid-State NMR Investigation of Mixed-Metal Metal-Organic Frameworks
10:46	Ronan Fisher	Conformational Changes in the Structure of Human Calmodulin
10:49	Suzi Pugh	Investigation into the impact of framework 6-coordinate Al species on catalysis in zeolites
10:52	Michael Taylor	Shaped Pulses in Biological EPR
10:55	virtual coffee	
		Session 2 Chair: Janet Lovett
11:30	Sharon Ashbrook	Solid-State NMR Spectroscopy
12:10	Joshua Wort	Optimising Cu(II)-Chelate Labelling at Double-Histidine Motifs for Pulse Dipolar EPR Applications
12:30	Zhipeng Ke	^{13}C chemical shifts of urea loaded copper benzoate. A joint paramagnetic solid-state NMR and DFT study
12:50	Maria Papa	Unveiling the structure of RNA using EPR Spectroscopy
12:53	Antoine Schuller	Investigating the Mechanism of Copper-Catalysed Iododeboronation of Arenes
12:56	Filippo Formoso	Volatile speciation in deep Earth melts and minerals
12:59	Niti Schindler	Investigation of multi-spin effects in pulse dipolar EPR spectroscopy using model systems
13:02	Ben Griffiths	Investigating the lability of zeolites under aqueous conditions
13:05	Laura Remmel	Investigation of the fluoride riboswitch from Thermotoga petrophila by magnetic resonance
13:08	break	
		Session 3 Chair: Michael Buehl
14:30	Graham Smith	A short tutorial on some key concepts in EPR (mainly related to sensitivity and instrumentation)
15:10	Cameron Rice	Room-Temperature Lability of Zeolite Frameworks Revealed by Solid-State NMR
15:30	Ganyuan Xiao	Enabling biopolymer depolymerisation under mild conditions via Cu catalysis
15:50	Yujie Zhao	EPR and DNP sensitivity enhancement
15:53	Mate Legrady	Why is γ-Al2O3 a defect spinel? Insights from ^{17}O NMR and DFT calculations
15:56	Maria Oranges	Nanometre Distances, Orientation and Multimerisation Equilibria from Pulse Dipolar EPR Spectroscopy
15:59	Nasima Kanwal	Sensitivity Improvement in 5QMAS NMR Experiments Using FAM-N Pulses
16:02	Zhipeng Ke	Modelling paramagnetic cupric carboxylate MOFs. A joint computational and experimental study of NMR
16:05	Hannah Russell	Measuring Nanometre Distance Changes in Biomolecules Under Pressure
16:08	virtual wine reception	(byob)