

# First Conference on Zero and Ultra-Low Field NMR

A virtual school and conference



Warning, the time slots are given in UTC!

<b>Lecture</b>	Tuesday Sept 1 <sup>st</sup>	<b>Introduction</b>		1:00 – 1:10 pm
		<b>Introduction to ZULF experiments</b>	Thomas Theis	1:10 – 2:40 pm
		<b>ZULF spin physics</b>	Michael Tayler	3:10 – 4:40 pm

<b>Lecture sessions</b>	Wednesday Sept 2 <sup>nd</sup>	<b>Introduction</b>		1:00 – 1:10 pm
		<b>Detection methods at zero field: Atomic and NV magnetometers</b>	Szymon Pustelny Dmitry Budker	1:10 – 1:55 pm 2:00 – 2:45 pm
		<b>Introduction to spin relaxation theory</b>	Ilya Kuprov	3:00 – 3:30 pm
		<b>Poster session I</b>		4:00 – 5:30 pm

<b>Talk sessions</b>	Thursday Sept 3 <sup>rd</sup>	<b>Introduction</b>		1:00 – 1:10 pm
		<b>Field cycling and NV Nano-NMR</b>	Konstantin Ivanov Fedor Jelezko	1:10 – 1:40 pm 1:40 – 2:10 pm
		<b>Applications of ZULF NMR</b>	Danila Barskiy John Blanchard	2:30 – 3:00 pm 3:00 – 3:30 pm
		<b>History of ZULF NMR</b>	Alexander Pines	cancelled
		<b>Poster session II</b>		4:00 – 5:30 pm

<b>Talk sessions</b>	Friday Sept 4 <sup>th</sup>	<b>Introduction</b>		1:00 – 1:10 pm
		<b>Parahydrogen in ZULF NMR</b>	Meghan Halse Stefan Glöggler Malcolm Levitt	1:10 – 1:40 pm 1:40 – 2:10 pm 2:10 – 2:40 pm
		<b>Portable and compact NMR/MRI</b>	Peter Blümler Matthew Rosen	3:00 – 3:30 pm 3:30 – 4:00 pm