

**DRAFT Programme of the 2<sup>nd</sup> Transnational Round Table on Magnonics, High-Frequency Spintronics, and Ultrafast Magnetism (TRTM 2025), Exeter, 16 – 20 June 2025**

	Monday, 16 June		Tuesday, 17 June	Wednesday, 18 June	Thursday, 19 June	Friday, 20 June		
8:30	Arrivals Welcome coffee (from 9:00)		Coffee (from 8:45)	Coffee (from 8:45)	Coffee (from 8:45)	Coffee (from 8:45)		
9:00			<b>Sebastiaan van Dijken</b> Magnonic Fabry-Pérot resonators: A building block for programmable and neuromorphic computing"	<b>Avinash Chaurasiya</b> Recent advances in spin-wave-mediated mutual synchronization of spin Hall nano-oscillator networks	<b>Matthew Ellis</b> Atomistic spin dynamics beyond the Landau-Lifshitz-Gilbert equation	<b>Roundtable discussion</b> "TRTM Definitive Guide of Magnonics"		
9:30								
10:00	<b>Joint session with partners of the MANNGA consortium</b> "Pathways to neuromorphic magnonics"	Arrivals Registration Welcome coffee Group lab tours 1 Time for putting posters on	<b>Riccardo Bertacco</b> Fully integrated and reconfigurable magnonic devices for 'Beyond 6G'	<b>Debanjan Bhowmik</b> Neuromorphic Computing and Ising Machines Using Spintronic Nano Oscillators	<b>Felix Hartmann</b> Non-Markovian signatures in ultrafast magnetism experiments	MaxLLG <b>workshop</b>	"TRTM Definitive Guide of Magnonics" <b>workshop</b>	
10:30								
11:00								
11:30			<b>Krzysztof Szulc</b> Magnonic devices for 3D spin-wave computing	<b>Alex Carr</b> Hybrid coherent control of magnons in a ferromagnetic phononic resonator excited by laser pulses	<b>Alberto de la Torre</b> Ultrafast engineering of the magnetic Hamiltonian in frustrated magnets			
12:00								
12:30				Buffet lunch	Buffet lunch	Buffet lunch	<b>Conference closing and feedback</b>	
13:00	Buffet lunch		<b>Pawel Gruszecki</b> Dynamics of softened spin waves in thin films with perpendicular anisotropy at temporal interfaces	<b>Excursion and networking</b>	<b>Olena Gomony</b> Ultrafast magnetic dynamics in antiferromagnets and altermagnets: nonlinearity, nonreciprocity, nondegeneracy	Buffet lunch and coffee		
13:30								
14:00	<b>Conference opening</b>		<b>Khalil Zakeri</b> Terahertz magnons in atomically designed low-dimensional magnets: From magnetic monolayers to multilayers and nanostripes		<b>Oleg Tretiakov</b> Bimerons and Antibimerons in Magnetic Topological Materials	Collaboration and networking Group lab tours 2		
14:30	<b>Xufeng Zhang</b> Slow-Wave Hybrid Magnonics		Coffee break		Coffee break			
15:00	Coffee break		<b>Introduction to challenge</b> "TRTM Definitive Guide of Magnonics"					
15:30						<b>Panel discussion</b> with speakers of TRTM days 3 and 4	Informal walking tour in Exeter and local pub visit	
16:00	<b>Grzegorz Centala</b> Coupling between surface acoustic waves and spin waves in planar nanostructures		<b>Panel discussion</b> with speakers of TRTM days 1 and 2					
16:30								
17:00	<b>Poster pitches</b>		<b>Posters and refreshments</b>		<b>Awards reception</b>			
17:30								
18:00	<b>Welcome reception</b>							
18:30								
19:00								
19:30					<b>Conference dinner</b> (until about 21:00)			

An informal dinner at a local venue will also be organised on the night of Sunday, 15 June, bringing together partners of the MANNGA consortium and other TRTM participants arriving to Exeter on the day