

Programme of the 2nd 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			Sebastiaan van Dijken Magnonic Fabry-Pérot resonators: A building block for programmable and neuromorphic computing"	Avinash Chaurasiya Recent advances in spin-wave-mediated mutual synchronization of spin Hall nano-oscillator networks	Matthew Ellis Atomistic spin dynamics beyond the Landau-Lifshitz-Gilbert equation	Roundtable discussion “TRTM Definitive Guide of Magnonics”	
9:30							
10:00	Joint session with partners of the MANNGA consortium “Pathways to neuromorphic magnonics”	Arrivals Registration Welcome coffee Time for putting posters on	Riccardo Bertacco Fully integrated and reconfigurable magnonic devices for 'Beyond 6G'	Debanjan Bhowmik Neuromorphic Computing and Ising Machines Using Spintronic Nano Oscillators	Felix Hartmann Non-Markovian signatures in ultrafast magnetism experiments	MaxLLG workshop	“TRTM Definitive Guide of Magnonics” workshop
10:30			Krzysztof Szulc Magnonic devices for 3D spin-wave computing	Light lunch (with option to take one away to have it on the train – see below)	Alberto de la Torre Ultrafast engineering of the magnetic Hamiltonian in frustrated magnets		
11:00							
11:30							
12:00	Group lab tours 1		Buffet lunch	Leave the venue at around 12:00 , to catch the 12:27 (or 12:30, or 13:00) coastline train from Exeter St Davids to Paignton (return tickets provided)	Buffet lunch	Conference closing and feedback	
12:30							
13:00	Buffet lunch		Pawel Gruszecki Dynamics of softened spin waves in thin films with perpendicular anisotropy at temporal interfaces	From circa 13:10 time for a brief walk to the beach / a quick ice cream	Olena Gomonay Ultrafast magnetic dynamics in antiferromagnets and altermagnets: nonlinearity, nonreciprocity, nondegeneracy	Buffet lunch and coffee	
13:30							
14:00	Conference opening		Khalil Zakeri Terahertz magnons in atomically designed low-dimensional magnets: From magnetic monolayers to multilayers and nanostripes	14:00 (sharp) our minibuses depart from Paignton railway station for Greenway From 14:30 visit to the Greenway House and Gardens – Agatha Christie’s summer residence and ‘the loveliest place in the word’, including a guided tour of the gardens from about 14:45 – 15:45 and then an opportunity to explore the venue and its surroundings independently. See www.nationaltrust.org.uk/visit/devon/greenway for details.	Oleg Tretiakov Bimerons and Antibimerons in Magnetic Topological Materials	Collaboration and networking Group lab tours 2	
14:30	Grzegorz Centala Coupling between surface acoustic waves and spin waves in planar nanostructures						
15:00							
15:30	Coffee break		Introduction to challenge “TRTM Definitive Guide of Magnonics”	Panel discussion with speakers of TRTM days 3 and 4	Informal walking tour in Exeter and local pub visit		
16:00	Alex Carr Hybrid coherent control of magnons in a ferromagnetic phononic resonator excited by laser pulses						Panel discussion with speakers of TRTM days 1 and 2
16:30							
17:00	Poster pitches		Posters and refreshments				17:15 buses to Torquay – Agatha Christie’s hometown and the heart of English Riviera 18:15 group photo near Agatha Christie’s statue
17:30	Welcome reception			Dinner at JUNJAOV THAI Restaurant (Tripadvisor’s #1 for Torquay), followed by a seaside walk and train journey to Exeter.			
18:00							
18:30							
19:00							
19:30							

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