

Programme of the 1st Transnational Round Table on Magnonics, High-Frequency Spintronics, and Ultrafast Magnetism (TRTM'2024), Exeter, 3 – 7 June 2024
(last updated on 9 May 2024)

	Monday, 3 June		Tuesday, 4 June	Wednesday, 5 June	Thursday, 6 June	Friday, 7 June
8:30	Arrivals		Coffee from 8:45	Coffee from 8:45	Coffee from 8:45	Coffee from 8:45
9:00			Breakfast discussion Magnonics, spintronics, and ultrafast magnetism for edge computing	Breakfast discussion MaxLLG: Introduction	Breakfast discussion TRTM's format: First lessons and next steps	Breakfast discussion THz magnonics: Ways forward
9:30	Arrivals, registration, and welcome coffee		Susmita Saha Tunable spin wave dynamics in two-dimensional deterministic magnonic fractals	Spin torque driven skyrmion resonance technique in magnetic bulk crystals	Oksana Chubykalo-Fesenko Ultrafast switching and domain wall dynamics in Mn ₂ Au by novel laser-induced torques	Thomas Thomson Magnetisation dynamics of magnetically coupled multilayer thin films
10:00	Arrivals, registration, and welcome coffee	Group lab tour 1		Andrei Kirilyuk Ultrafast magnetization reversal by excitation at the frequencies of optical phonons		
10:30		Group lab tour 2	Jaroslav Křos Unconventional spin wave localization in magnonic nanostructures of long-range order	Light lunch		
11:00	Buffet lunch				Buffet lunch	Excursion bus departure at 12:15
11:30		Conference opening	Matteo Vitali Magnetic nanopatterning of YIG films via direct laser writing for magnonics	Bus travel to Tintagel		
12:00	Denis Candido Hybrid magnonics as a unique platform for spin centre-based quantum technologies				Huixin Guo Realization and control of bulk and surface modes in 3D nanomagnonic networks by additive manufacturing of ferromagnets	Tintagel Castle visit
12:30		Artem Litvinenko Time-multiplexed spin wave Ising machines	Coffee break	Coffee break		
13:00	Coffee break				Pieter Gunnink Accessing topological magnonic excitations in non-equilibrium	Bus departure at 16:15 and travel to Camelot Castle
13:30		Tom Hayward Integrated magnonic reservoir computing with magnetic metamaterials	2 min poster pitches	Afternoon tea at Camelot Castle		
14:00	Kirill Rivkin Spin wave computing and mode engineering using hard media bias field				Posters and refreshments	Photos
14:30		Welcome reception	Posters and refreshments	Bus departure at 18:30		
15:00	Welcome reception				Posters and refreshments	Bus departure at 18:30
15:30		Welcome reception	Posters and refreshments	Bus departure at 18:30		
16:00	Welcome reception				Posters and refreshments	Bus departure at 18:30
16:30		Welcome reception	Posters and refreshments	Bus departure at 18:30		
17:00	Welcome reception				Posters and refreshments	Bus departure at 18:30
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19:00	Welcome reception				Posters and refreshments	Bus departure at 18:30
19:30		Welcome reception	Posters and refreshments	Bus departure at 18:30		

* Informal dinner at a local venue will also be organised at about 6-7pm on Sunday, 2 June for those arriving to Exeter early enough on the day.