

Post-doctoral research associate in ultrafast magnetic switching

Job Title: Post-doctoral research associate in ultrafast magnetic switching	Present Grade: 6
Department/College: Physics	
Directly responsible to: Prof Steven Jamison	
Supervisory responsibility for: Some supervision of postgraduate students	
Other contacts	
Internal: Dr Rostislav Mikhaylovskiy	
External: TWISST project team (academics and post-doctoral researchers at University of Manchester & Lancaster University)	
Major Duties:	
<ul style="list-style-type: none"> • Undertake experimental and/or theoretical research activities in the field of ultrafast THz- and laser-driven magnetic domain switching, within the TWISST research project. You will principally be responsible for the demonstration of THz-driven switching in an evolving sequence of materials and field-enhancement heads; and for development of the understanding of the switching processes of THz-driven switching. • Work with project partners at Lancaster and Manchester, contribute to the specification and development of THz sources and antennas for • Support in the supervision of PhD students in related research activities. • Lead or contribute to the writing of research publications, and internal technical reports. • Present and promote research results at national and international conferences 	