

Report for attending the Magnetism 2023 conference
funded by the Doctoral School Research Award

29/29/2023

Xingtai Chen

Nano-Electronics and Materials Group, Electronic Engineering

I sincerely thank the Doctoral School for awarding me the Doctoral School Research Award for the academic year 2022/23, which enabled me to attend Magnetism 2023, held at the University of Manchester from April 3rd to 4th. The opportunity to attend Magnetism 2023 held significant importance in my academic and research journey. It was a prestigious conference where researchers in my field gathered to exchange ideas, share insights, and present cutting-edge research. The knowledge and networking opportunities provided by this conference were invaluable and greatly enhanced the quality and depth of my doctoral research. This award contributed to my participation in this esteemed academic event, and I greatly appreciated your support.

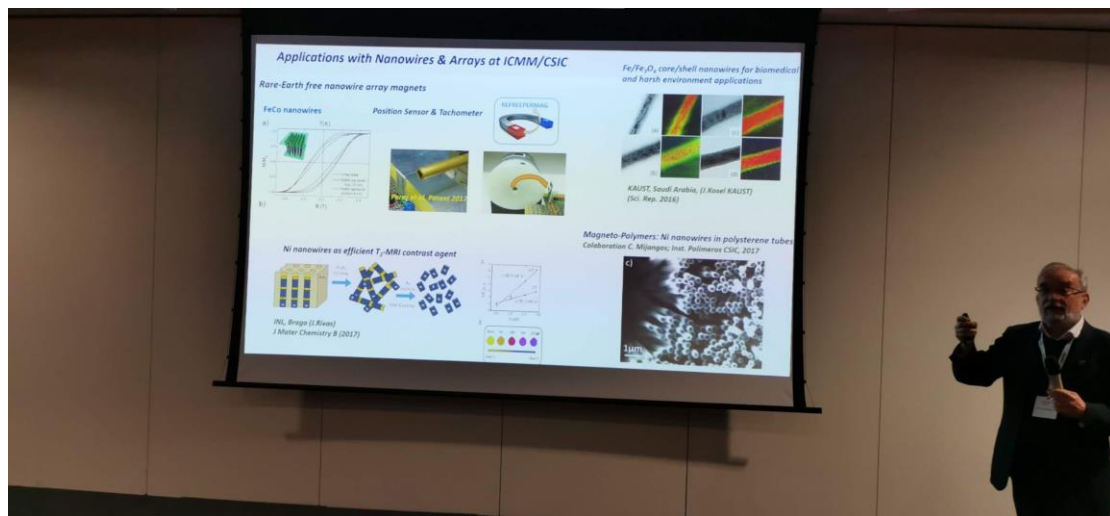


During the conference, my research findings were accepted to present in the form of a poster. The topic title is “Stacking Order-dependence Domain Wall Depinning in Trilayer Structure”. As a part of my overall PhD project, this work shows domain wall dynamics in 3D nanowires are more complex than that of single-layer nanowires due to the stray field and flux closure within the system. During the poster sessions, I had the privilege of engaging in thought-provoking discussions and knowledge-sharing with researchers from various academic institutions across the United Kingdom. This conference featured numerous topics of interest to me, such as magnetic thin films,

computational magnetism and high frequency spin dynamics. These academic presentations covered the cutting-edge scientific hotspots in the field of magnetism in the United Kingdom, providing invaluable insights. These interactions, from the preparing the poster to presentations, followed by discussions with other researchers, were extremely valuable steps forward in my academic journey.



One profound realization that emerged from this experience is the collaborative nature of scientific research. It is not just about individual contributions. It is a collective effort where the exchange of ideas during peer interactions often ignites the spark of innovation. These intellectual collisions with my peers significantly contributed to my personal and academic growth. I came to appreciate the importance of collaborative synergy and how it can lead to breakthroughs at the forefront of scientific exploration.



Attending the conference held in the vibrant city of Manchester was truly an enriching experience. The people here are warm and welcoming, always ready to engage in a friendly chat or offer assistance. During explorations of the city, I found myself captivated by its architectural diversity. The streets are lined with a remarkable blend of historic red-brick structures, each whispering tales of the city's industrial past, and stunning examples of Gothic architecture. My time in Manchester was not only intellectually stimulating due to the conference but also a journey through a city that seamlessly weaves together history, culture, and a warm and welcoming atmosphere.



The financial support provided through the Doctoral School Research Award not only eased the financial burden of attending the conference but also validated the importance of my research endeavours. I sincerely thank the members of the selection committee for their consideration and trust in my research project. I also want to express my gratitude to my advisors and mentors for their continuous guidance and support, which played a crucial role in shaping my research and preparing me for this significant academic opportunity. Once again, I sincerely thank the Doctoral School for awarding me the Doctoral School Research Award for the academic year 2022/23.