

Attending EUCAS 2025 conference

The 17th European Conference on Applied Superconductivity (EUCAS 2025) was held in Porto, Portugal from 21–25 September 2025. As a pivotal event in the applied superconductivity community, it attracted numerous participants, including members of our Cambridge research group. As a final-year PhD student, I recognised the importance of this conference for staying updated with cutting-edge research and building professional connections. Therefore, I have actively engaged in the conference by presenting my work on superconducting machines and participating in technical discussions with fellow researchers.

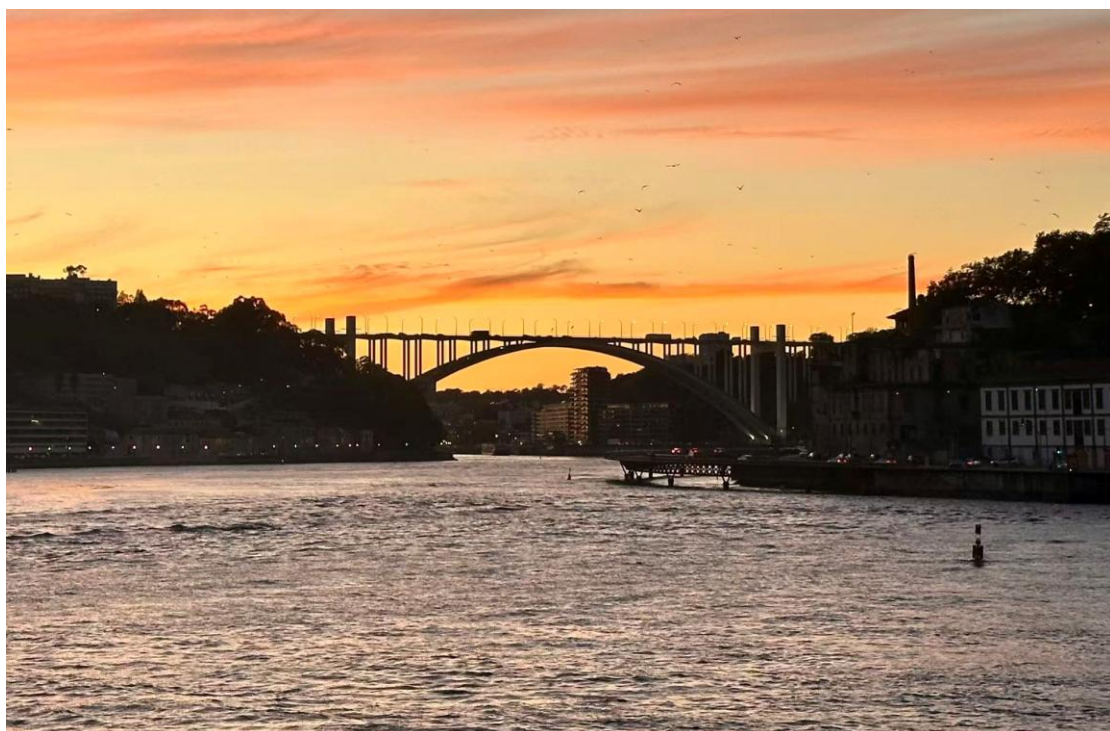


During the conference, I delivered an oral presentation on "Optimisation and loss analyses of pulsed field magnetisation in a superconducting motor with cryocooled iron cores," which constitutes one of the core research topics of my PhD. This work was recently published this year ([DOI: 10.1088/1361-6668/ada830](https://doi.org/10.1088/1361-6668/ada830)) and is expected to provide valuable insights for loss analysis and structural design in superconducting machine development. Beyond my presentation, I actively exchanged ideas with researchers in both related and broader areas of applied superconductivity. The conference provided an excellent platform to attend inspiring talks and establish new connections with leading research groups worldwide. I believe my participation also helped

promote the IET's mission by demonstrating its support for emerging research and international collaboration on a global stage.



Porto proved to be an ideal venue, offering not only excellent conference facilities but also remarkable cuisine and cultural atmosphere. The vibrant setting significantly enhanced both my professional development and personal experience, making this academic trip particularly rewarding and memorable.



I would like to thank IET again for the generous support and hope more students and researchers can benefit from IET's travel awards!