



It is a great opportunity to travel to Ohio State University for the ISO/ASTM Meeting Week 04-2024 and ISO/TC 261 plenary meeting from 15-19 April thanks to the generous support from the IET International Travel Award 2024.

I participated in the ASTM & ISO meetings in its totality. It is a great opportunity, also my first time, to meet with ISO experts in other countries, also with my colleagues in the UK. I appreciated the great enthusiasm that everyone present shares in the field of Additive Manufacturing. The UK delegate consists of Prof Yujin Pei, Dr Benjamin Dutton, Mr Julian Wright, Ms Charmaine Mukherjee, and myself. I also met Dr Jimmy Campbell (from the ASTM side).

Specifically, I was present at the ASTM F42 Plenary Meeting, ISO/ASTM WG4 – F42.04-F42.08 Data Design presided by Prof Yujin Pei, Training for Convenors & Project Leaders where the new ISO/TC261 committee manager Ms Stephanie Terbrack introduced us to ISO & ASTM processes and their differences, JG 80 Quality for AM Construction, F42.07.07 Construction, JG 76 Mechanical Test Method, and ISO/TC 261 Plenary Meeting.

Among them, as a UK expert in Additive Construction, I engaged very actively in JG 80 Quality for AM Construction and F42.07.07 Construction. Previously, I had met other experts online. This trip provided with me a golden opportunity to meet them in person, which is very important and effective in pushing the working items forward. I shared my thoughts as a professional researcher on the importance of volumetric flow rate in quality control and loading bearing cross-section area in material mechanical properties testing, which were both acknowledged by other experts.

From this meeting week, I got to know better the global community of standardisation bodies, and the mechanism in which we work together to help promote the development of Additive Manufacturing. This experience deepened my understanding of the BSI as the UK national standards body and its interactions with the ISO and strengthened my capabilities to interact and contribute more as a committee member.

Beyond that, this meeting week provided a golden network opportunity to help me connect with other Additive Manufacturing experts worldwide and to establish my professional image.

After the ISO meeting week, I, additionally, had meaningful discussions with scholars at Columbia University and MIT. These discussions are intellectually inspiring and may open up new opportunities for future collaborations.

To summarise, this trip enriched my PhD studies and enlightened my career.