

Thanks to the generous support of the Magnetism Group of the Institute of Physics, I was able to attend the Joint European Magnetic Symposia (JEMS) in Mainz, Germany in September 2018.

The highlights of the conference were the five inspiring plenary talks given by pioneering researchers in the field of magnetism with a focus on imaging and spintronics. Claus Ropers from the Universität Göttingen, Germany, gave a talk on ultrafast imaging and diffraction with high-coherence electron and photon beams. Tomas Jungwirth from the Academy of Sciences of the Czech Republic reported on the latest achievements in the field of antiferromagnetic spintronics, which is very promising for future technologies. Furthermore, Geoffrey Beach from MIT, US, gave an overview on the currently hot topic of skyrmions. Julie Grollier from CNRS-Thales introduced the method of using spin Hall oscillators as synapses in neuromorphic computing. Moreover, Laura Heyderman from PSI, Switzerland, introduced the concept of artificial ferroic systems.

In addition to broadening my understanding and insight into magnetism and current fields of research in the field, I benefitted greatly from interesting and lively discussions in the session on organic spintronics. In particular, I received valuable feedback on my presentation on “Tuning spin injection by molecular design” from leading researchers in the field including Alek Dediu and Luis Hueso.

The session on “Women in Magnetism” inspired me and gave me support for pursuing a career in academia after my PhD by talking to strong female role-models and learning about their career paths.

As I am close to finishing my PhD, this conference was essential for networking with leading researchers and discussing potential projects and possibilities for a postdoc. It has opened several interesting routes for me to explore in future, which promise to be exciting.

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