

国際共同研究は、グローバルな視点から多様な専門性を融合し、新たな学術的価値を創出する基盤です。今回は、スピン-エネルギー科学研究グループと長年にわたり共同研究を行っている Ziman 氏にご寄稿いただきました。



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Reimei program - a personal appreciation

I have the good fortune to have benefitted from the Reimei program since its inception in 2010 by Sadamichi Maekawa (the 4th Director of the ASRC). I have witnessed at first hand its success in maintaining the ASRC of the JAEA, not only as a center of excellence in its own research, but as the hub of an international network of collaborating scientists in productive contact. The many Reimei conferences record its success, and also reflect the more profound achievement of maintaining a large community of people and stimulating innovation. One of the key advantages of the Reimei program has been the flexibility in organizing joint meetings involving different projects: this has led to new interfaces, for example between actinide science and spintronics, appearing before anywhere else in the world. From a personal viewpoint, the programs with which I have been directly associated started from neutron scattering and magnetism, with a particular interest in relevance to spintronics. Meeting Prof. Uemura's muon project through a joint Reimei meeting in Tokai in 2011 led to contact

with muon beam science, and collaborations which continue today. I found the annual assessment meetings, where representatives of all the projects were present, enlightening in giving a broader view of the many challenges relevant to the work of the ASRC within the JAEA. One very efficient aspect of the Reimei program has been its flexibility - from the beginning, the exchange of scientists and equipment between Grenoble, Los Alamos and Tokai contributed enormously to experimental collaboration in heavy-fermion and actinide studies. In organizing international meetings the same flexibility meant we could leverage the Reimei project, using its resources as seed money to attract larger means. This was used in Grenoble to strengthen ties between neutron users of JRR-3, J-PARC and the ILL interested in spintronics, and in Ireland at a meeting on New Excitations in Spintronics, organised in 2019 with Mike Coey. While the impetus was the Reimei project, we could then attract enough European funding to cover European travel and all local expenses. I like to think that the successful recruitment of a postdoctoral participant, then in Germany, subsequently to a permanent position at the ASRC owed something to the memorable meeting in Connemara. After the most recent joint workshop in Tohoku we arranged for young neutron researchers, on their first visit to Japan, to see the sources in Tokai. I hope the Reimei projects can continue to be as fruitful for international collaboration for the next generation as they have been for mine.

