

JSPS Core-to-Core Program Report

Project: Advanced Particle Handling Science (<http://www-tph.cheme.kyoto-u.ac.jp/c2c>)

Particulate systems and materials are ubiquitous and an increased knowledge in this area is critical to developing control over an enormous range of natural and industrial processes. It has been estimated that particle technology and particulate products contribute well over \$10T per year to the global economy. The UK has a long tradition in this area and has provided many of the important technology breakthroughs during the last 100 years. The JSPS funded Core-to-Core programme, initiated by Professor Ko Higashitani of Kyoto University, brought together groups of researchers from Universities in Japan (Kyoto, Kobe Gakuin, Doshisha, Okayama, Hyogo), Germany (Erlangen-Nurnberg, Max-Planck Institute Mainz), Australia (Melbourne), US (Florida), Switzerland (ETH) and UK (Leeds) working in the area of particle technology.

The program facilitated an exchange of ideas between experts in the field from the above countries and several new important collaborations have emerged from this network. Meetings between the various members from each community were organised annually and these were supported by the different international organising institutes. This regular series of meetings was of tremendous benefit in facilitating an exchange of ideas between the various participating groups.

Funds were matched by the international participants to those provided by the JSPS. In the case of the University of Leeds, the funds were obtained from a combination of an EPSRC N+N Workshop grant, the Sasakawa foundation and the University of Leeds.