

Keynote Talk, at RIKEN HPC Symposium, Japan on March 14th. 2008

The UK Collaborative Computational Projects

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Abstract:

This talk will introduce the model of the Collaborative Computational Projects or CCP's. The CCP's provide a mechanism for ensuring that academic code is developed, maintained, distributed and ported to as wide a range of computational resources as possible, thus maximising the return on investment in new code. In part this is made possible by staff support from the Computational Science and Engineering Department (CSED) at STFC Daresbury Laboratory. The background to STFC and CSED will be discussed and the role played by CSED in supporting the CCP's will be addressed. Interactions between the CCP's and European Networks will all be introduced and the talk will conclude with an introduction to the proposed Hartree Centre which will provide a critical mass of expertise in computational science within the UK. The talk will seek to address the role of the CCP's in enabling science within the UK and will be illustrated with representative examples of major computational science research projects throughout.