ARCHIE International Advisory Board - Call for Nominations

ARCHIE is a new regional supercomputer centre for the West of Scotland based at the University of Strathclyde, in partnership with the Universities of Glasgow, Glasgow Caledonian, West of Scotland and Stirling. The centre will provide High Performance Computing (HPC) services both to academia and to regional and international industry. ARCHIE is funded by a £1.6M e-infrastructure grant from the Engineering and Physical Sciences Research Council (EPSRC). Its new computer has 3500 cores of distributed memory compute nodes with 4GB RAM per core, high-memory (256GB) nodes, GPU processors, 130TB parallel storage, post-processing/visualisation servers, and high-speed interconnect throughout. Supported by a full-time HPC manager and a full-time System Administrator, as well as a User Support Assistant, Business Development Officer and Academic Directors, ARCHIE represents a step-change in HPC service availability in the West of Scotland.

Aims of the Centre

1. Underpin and expand multi-disciplinary research collaboration between universities, and between industries and universities in the West of Scotland and elsewhere
2. Build upon established industrial-academic centre models (e.g. Technology Innovation Centre, Advanced Forming Research Centre, Wind Energy DTC, Power Network Demonstrator Centre)
3. Promote supercomputing capabilities to industry as a key enabling technology for collaborative research and next-generation product design, development and demonstration
4. Provide state-of-the-art software, training and tailored CPD to initiate and expand industrial use of HPC
5. Work in partnership with national/regional enterprise organisations (e.g. Scottish Enterprise, Scottish Engineering etc) to share and promote best-practice and to coordinate activity for national benefit
6. Support and promote the highest standards of computational science and engineering research

International Advisory Board

As well as the steering Committee, comprising the local management team plus representatives from our partner Universities, we aim to convene an International Advisory Board (IAB) which will meet annually to advise us on strategic development that helps us meet our aims. The IAB can utilise video conferencing so geographic location need not be a barrier to participation. The IAB will be asked specifically to advise us on the following issues:

- **What are the barriers to HPC uptake in large industry, and how can we overcome these**
- **What CPD programmes or other support mechanisms should we develop**
- **What are the barriers for engaging with SMEs**
- **How can we best promote HPC as an enabling technology for collaboration between academics, and between academia and industry**
- **How can we support research excellence in our region**

Call for Nominations

We welcome suggestions for people we might approach to ask to join our International Advisory Board. Please bear in mind the remit of the IAB and the aims of the Centre, and consider what experiences and expertise your nominees could provide. Please do not approach your nominees yet; we wish to ensure a good balance in the membership before approaches are made. Please send your nominations and any comments you wish to make to maxim.fedorov@strath.ac.uk by **31 May 2012**.

Many thanks for your input, and we look forward to working with you through ARCHIE!