

## ICT Call 7 Workshop

# Computing Systems – The Future

*The processors in our laptops move from a single to multiple cores  
... some dream of programmable machines with a million cores.*

**Tuesday 7<sup>th</sup> September 2010 10:30 – 15:30**  
Cardiff University, Bute Building, CF10 NB

Rising complexity in the design of computing systems provides a set of engineering, environmental and mathematical challenges. At the same time the capabilities of such systems may offer commercial opportunities and a gateway into the understanding of intelligence itself. Funding for these ideas is available from the European Commission, regional and national Governments.

*Locally and the host for the day:* The £40M pan-Wales University project HIGH PERFORMANCE COMPUTING WALES recognises the challenge and is designed to give support to businesses working independently or in collaboration with academics.

*On a larger scale:* The European Commission's 7th Framework ICT Call seven (28-9-2010 – 18-1-2011) will provide 70M€ to support collaborative research.

Researchers and Experts speaking at this event include those from Cardiff University, the Technology Strategy Board and from active units within the European Commission's Directorate General for Information Society and Media, They will help attendees gain an understanding of the current and future research challenges and opportunities in the High Power Computing domain.

In particular the two components of the current ICT call:

- "Computing Systems"
- "Exa-scale computing, software and simulation"

with their 45 and 25 M€ budgets will be described.

There will be ample opportunity for networking and sharing of ideas.

To reserve a place at this **free** FP7 ICT Call Seven event, for which bookings are now open, please email Kim Chisholm [kchisholm@tuvnel.com](mailto:kchisholm@tuvnel.com)

A National Contact Point for Framework 7 ICT workshop  
in association with Digital Systems KTN and HPC Wales

