

Xperience 2009

PART (I)

Multi-Core Computing

The Post Graduate Department of Computer Engineering is organizing a two day seminar on “Multi-Core Computing” at Pune Institute of Computer Technology in the first week of April 2009. It is planned to have presentation sessions from speakers from Industry and academics on topics related to the above subject. In particular articles on the following topics are welcome:

1. Chip multi processors – Core Duo, Quad core Xeon, Dual core Opetron
2. Power 5, High power and low power cores
3. Homogeneous and heterogeneous multi-core processors
4. Dynamically heterogeneous multi-core processors and operating system schedulers
5. Scalable programming models for multi-core processors
6. Migration of application between different parallel architectures
7. GPUs and Cell BE processors
8. GPUs from AMD, nVDIA
9. Cell BE from IBM
10. Programming models and systems developed for GPUs and Cell BE
11. Core as a processing element with independent flow of control
12. Explicitly parallel programming languages, tools and programming platforms
13. Sun Two core MAJC
14. QNX RTOS
15. Intel Compiler 10.0 PE
16. Intel Thread Tools
17. AMD Tools for multi core chips
18. Rapid Mind Development Platform
19. Parallelization tools
20. Galois Project
21. Multi-core compilers
22. Hyper-threading
23. Multi-core Cache
24. Synchronization techniques for multi threaded architectures
25. Multi core DSP simulators
26. Scheduling for multi-core platforms

Contributions on the above topics may be submitted for publication and presentation to Head, Post Graduate Department of Computer Engineering, on the following address :

Head , Post Graduate Dept in Computer Engg,
Pune Institute of Computer Technology, Pune
Sr. No 27, Pune-Satara Road, Dhankawadi,
Pune-411 043 Maharashtra (India).

Or you can mail us on xperience.april.2009@gmail.com

The student contributors should note that their article must be ready before 20 February 2009.

The articles are subject to review process.

With regards,

Students and Staff of Post Graduate Department in Computer Engineering
Pune Institute of Computer Technology, Pune.

Contact: Tel: +91-020- 24371101 ext: 527 or 602.