

Workshop Coordinator's Message

Welcome to **PEMG-2010** being organized by C-DAC, Pune and Mumbai & Electronics City, Bengaluru

It is our pleasure to welcome you to the **four-days** technology workshop on **Performance Enhancement on Multi-Core Processors & GPUs (PEMG-2010)**.

This year's C-DAC's technology workshop, promises to be a new and innovative experience, and we are confident that you'll enjoy every minute of it. New features added to this workshop include performance issues on Multi-core processors and GPGPUs. You'll witness a strong programme of classroom lectures; keynote talks and presentations by experts from academia, research & development organizations, and IT private sector companies.

Two new features in the **PEMG-2010** technology workshop will highlight the programming on emerging Multi-Core processors and GPU computing with special importance on Performance aspects. The first will focus on the demonstration of Multi-Core processor platform software tools, writing efficient programs and exposure to theoretical concepts on Multi-Core processors and GPGPUs/ GPU Computing to build the foundation for parallel processing infrastructure of tomorrow. The second thrust is to provide hands-on training, emphasis on performance aspects of parallel programs for numerical and non-numerical computations on the emerging parallel processing platforms of tomorrow. The technical programme features keynote address, invited lectures, class-room lectures, and sessions on demonstration of emerging technology and four hour hands-on session every day on Multi-Core Processors and GPU Computing. The classroom lectures focus on an overview of programming on Multi-Core processors and GPU computing. Hands-on sessions will give an opportunity to work on Multi-Core processor platforms and GPU computing for scientific computations.

We would like to thank all the staff members of C-DAC and **PEMG-2010** workshop volunteers for their dedicated efforts and sincere participation towards making this four-day technology workshop a great success.

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