This plenary session will discuss the Indian Petascale initiative, the specific focus on hardware and software systems and the associated research components, the computational problems that are likely to be addressed, the current roadmap, the challenges and opportunities that lie ahead, and lessons learnt/recommendations from Petascale initiatives in other countries. The session will feature eminent speakers from India and abroad who have played leading roles in various supercomputing initiatives.
INDUSTRY, RESEARCH AND USERS SYMPOSIUM
The symposium will bring together providers and users of HPC to provide a forum for presenting the state-of-the-art in HPC platforms and technologies, for discussing best practices and for exchanging experiences. This symposium, to be held on December 19 and 20, will feature special sessions with presentations from international experts focused on the role of HPC:
- Big Data meets High Performance Computing
- Computational Challenges in Large Scale Molecular Dynamics Simulations
- Computational Fluid Dynamics in Automotive Sector
- Digital Animation/Entertainment

INDUSTRY/RESEARCH EXHIBITS
This two-day exhibition session, to be held on December 19 and 20, will consist of exhibits/presentations from vendor companies and R&D laboratories.

CONFERENCE REGISTRATION
Conference registration includes attendance at all workshops and technical sessions and a copy of the HiPC 2012 proceedings. The early registration deadline for discounted fees is November 14, 2012. International attendees are advised to start the process for their registration and application for a travel visa as soon as possible. Visit the conference website for further details.

INFORMATION FOR INDIA-BASED PARTICIPANTS
Registration at reduced rates is made possible for India-based faculty, students, and researchers through sponsorships from India based industries and organizations. Travel scholarships for India-based students are available on a merit basis to promote HPC research in India.

SPONSORSHIP OPPORTUNITIES
The HiPC conference is annually sponsored by several Indian and international organizations, institutions, and companies. Please visit the conference website at www.hipc.org for sponsorship details and list of current sponsors.

For sponsorship opportunities, contact the Industry Co-Chairs at industry@hipc.org.

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