

**Parallel Computing workshop Technical Programme - Programming Paradigms - CAM  
(High Performance Data Mining; Computational Algorithms for CAM; MPI 2.0)  
Dr.VCV.Rao, C-DAC, Pune University Campus**

The HPC Solution Group, C-DAC, Pune organised this event at NCMRWF, Noida in collaboration with Betatesting Group, C-DAC, Pune and other technical staff members. HPC Solution Group members and Dr. V.Sundararajan, Group Coordinator, Scientific and Engineering Computing Group delivered talks on f90, and OpenMP on April 10-12, and April 15, 2008. Below Lecture material is prepared by Dr.VCV.Rao and his group members.

<b>April 15 2008 : Parallel Computing &amp; High Performance Data Mining- Climate Modelling</b>	
1530 Hrs ~ 1630 Hrs	Scalability & Performance of Application on MPPs- Using Domain Decomposition Techniques Case Study – PDE's & Community Atmospheric Model (CAM)
<b>April 16 : Parallel Computing &amp; High Performance Data Mining- Climate Modelling</b>	
1100 Hrs ~ 1300 Hrs	Scalability & Performance of Application on MPPs- Using Domain Decomposition techniques Case Study – PDE's & Community Atmospheric Model (CAM)
<b>April 17 : Parallel Computing &amp; High Performance Data Mining : Climate Modelling</b>	
1030 Hrs ~ 1300 Hrs	Scalability & Performance of Application on MPPs- Using Domain Decompositions Techniques Case Study – PDE's & Community Atmospheric Model - Data Mining algorithms for CAM
<b>April 17 : Parallel Computing &amp; Performance - F90/HPF/MPI; Inter-Operability - MPI 2.0</b>	
1030 Hrs ~ 1300 Hrs	An Overview of Performance of Programs using f90/MPI/HPF; MPI 2.0 : Inter-Operability Issues; Mixed Programming languages and Thread Safety on Multi Cores