

Department of Public Relations, Chandigarh Administration

www.chandigarh.gov.in

Press Release

National and state labs to share latest techniques with industries: Patil

Chandigarh, March 19: The Punjab Governor and Administrator, Union Territory Chandigarh, Mr. Shivraj V.Patil, while addressing the National Conference on Computational Instrumentation, said that the latest technique developed by the National and State Laboratories should be transferred to the industries so that they could manufacture these equipments and supply them to various fields of development. He said many instruments have been developed by the CSIO which would be helpful in predicting the weather, fertility of agricultural land, availability of minerals and other ground resources.

If these instruments manufactured and supplied even at block levels would be proved helpful for the farming community to test their soils and use required fertilizers and pesticides, accordingly. These instruments would also help in detecting how much water which crop requires and when it could be irrigated. This will give more yield to farmers with less cost.

The Governor said that extensive use of computers has made a big impact not only in the Scientific world but has made a dent in our day to day life also. Variety of services and information networks such as e-governance, banking, finance, education, medical services, agriculture, railway transport, defence, geographic/oceanic information, security, safety etc have changed the life of a common man. With right information at right person at right

place and time is leading to abundance of opportunities both for development as well as application domains.

Mr. Patil further disclosed that recent innovations in computational techniques coupled with the advances in technology enable us to detect and alert us from the natural disasters such as earthquakes and Tsunami. He said that the instruments are the key to the advancement of scientific, engineering and research with the continuous development of newer and improve fusions of technologies. Computational and Instrumentation' Both these disciplines are interrelated as development of better instrumentation results in larger data generation that in turn will require computers to store and process. Likewise advancement in computation technology will result in better instrumentation design with more and more automation. This calls for a paradigm shift in both the realms, he added.

The Governor revealed that a large gamut of scientific instruments are being used in various applications. In order to make fast, accurate, reliable, better cost effective measurements with these instruments in different sectors, we need to embed computational intelligence into them and this necessity has given birth to the new field of 'Computational Instrumentation'. This will facilitate high level and large-scale practical problems to be tackled through advanced instrumentation which were unimagined earlier.

Giving overview of the Conference, Mr. Pawan Kapur, Director, CSIO said that CSIO has added many new laboratories. He said that His Excellency, Mr Shivraj V. Patil was the Chief Guest on the occasion of Silver Jubilee Celebrations of the CSIO and today again on the occasion of Golden

Jubilee, he is with us to give his valuable suggestions and guidance to our Institute and scientists. He said that the suggestions given by Mr. Shivraj V. Patil would be shared and discussed at length in the coming Sessions of the ongoing Conference.

Prominent amongst others who were present on the occasion included Prof. SK. Bramachari, Mr. NS Mehla, Dr. H.K. Sardana, Scientists of the CSIO, Ms Neeru, delegates and scientists