

**ADDRESS BY THIRU BANWARILAL PUROHIT, HON'BLE GOVERNOR OF
TAMIL NADU AT THE NATIONAL CONFERENCE ON LAMSYS 2018 AT
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
ON 20.04.2018 AT 09:00 AM**

Anaivarukkum Kaalai Vanakkam

Thiru. P. Kunhikrishnan

Thiru. V. Ranganathan

Dr. S. Sundar Manoharan

Dr. T. Ramasami

Dr. T. Sasiprabha

Distinguished Invitees

Teachers and Students

Friends from the Media

Ladies & Gentlemen

I am happy to be here at this function being organized by the Sriharikota-Chennai chapter of Indian Society of Systems for Science and Engineering (ISSE). The National conference on large scale multi-disciplinary systems of national significance – LAMSYS 2018 is being held after a gap of 2 years.

I am confident that this conference will also serve as an excellent platform for exchange of knowledge, ideas and experiences. With systems, making them efficient and cost effective poses a technological challenge, which can only be achieved by frequent interactions of experts.

Albert Einstein once said 'the whole of science is nothing more than refinement of everyday thinking.' He also said that the scientists should look for what is and not for what he thinks should be. These words are indeed very

revealing. When Albert Einstein referred to everyday thinking, he was talking about the need for wisdom in the pursuit of science.

Today we will have experts on space system, ocean science, defense system, energy system, environmental system, computer system and electrical system discussing the benefit of systems engineering in large projects which are multi-disciplinary in nature. Each of these experts is specialized in his own field. Their combined wisdom will result in the emergence of greatest energy, thus producing more beneficial research from the same project which without systems engineering would have lacked this insight.

At this stage, I would like to refer to an interesting anecdote relating to Mr. C.V. Raman, noble laureate and Mr. Vikram Sarabhai, the famous space scientist. Vikram Sarabhai was budding a scientist when his father brought him to C.V. Raman and told him that he wanted his son to do the research with him in the Indian Institute of Science. Raman asked Sarabhai about the subject on which he wanted to work. Then Sarabhai replied that he wished to work on cosmic rays. Raman advised him to study the imprints of cosmic rays on photographic plates. This is the technology most suitable for our country. Make these special photographic plates. It is not difficult, as I have made photographic plates 35 years ago in 1904 and recorded sound vibration on wet plates. Vikram, you make the plates, take them to the top of high mountains, fly them in balloons, and put them in deep mines. You are sure to make fundamental discoveries in cosmic ray physics. You may even discover a fundamental particle and there may be Nobel Prize lurking for you. Sarabhai later said: I did not follow Raman's advice. It was C.F. Powel of Bristol who followed this line of thought; and in fact he got the Nobel prize! Though Dr. Vikram Sarabhai lost the opportunity to win the Nobel Prize, he attained great fame in India and is remembered as the father of India's space programme. His life brings out a very interesting aspect, namely that of sacrificing personal benefits for the sake of the nation. Similarly, I see before me so many scientists and researchers who have

dedicated their lives for the sake of the nation. All these experts could have benefited from a huge salary and perquisites if they had decided to serve a foreign agency. By devoting themselves to the cause of the nation, they have forgone personal benefits, but achieved national recognition.

It is minds such as these that can carry forward the scientific developments already made and transmit the benefits of modern technology so as to uplift the lives of millions of people living in our country. I applaud them for their service to the nation.

I wish to conclude by appreciating the organisers who, having realised the benefits of Systems Engineering in the multi-disciplinary world of today, have organised this Conference by assembling leading scientists and researchers and each one an expert in his field. I am sure that the deliberations in today's Conference will result in helping us to make significant changes in the way we implement large projects. The benefits could be in the form of lower costs, higher output, lower wastage, lesser imports, more self-reliance and insights into technological knowhow. All this is not easy to anticipate now at the stage of inaugurating the Conference. But I am sure that when you all do the stock-taking at the end of the Conference, the benefits that I have enumerated will be realised.

I wish the organisers and the participants all success in their endeavours.

Nandri

Vanakkam

Jai Hind

Jai Tamil Nadu