



Knowledge Forum 9<sup>th</sup> Annual Conference on

**“Technology, Growth and Sustainability”**

Co-Organised by: Indian National Academy of Engineering

Hosted by: NIAS, Bangalore

November 27-28, 2015

## **I Conference Report**

More than 60 persons from 25 institutions registered and participated in the conference.

In the introductory session, the volume published by **Springer** containing select papers from the 2013 annual conference (hosted by IIT Bombay) was released. In addition to the technical sessions there was also a panel discussing on the global dimensions of the conference theme.

25 research papers were presented.

Scholars from the following institutions participated:

### ***International***

1. United Nations University, Maastricht, the Netherlands.
2. Georgetown University, Washington DC.

### ***Delhi***

3. ICRIER
4. Delhi School of Economics
5. Institute of Economic Growth
6. CSIR-NISTADS
7. Institute for Human Development
8. JNU

### ***Mumbai***

9. IIT Bombay
10. Tata Institute of Social Sciences

### ***Chennai***

11. Madras School of Economics
12. IIT Madras
13. Madras Institute of Development Studies

## ***Kolkata***

14. IDBI Bank
15. Jadavpur University
16. Bethune College

## ***Bangalore/Karnataka***

17. National Institute of Advance Studies
18. Indian Institute of Science
19. Indian Space Research Organisation
20. Institute for Social and Economic Change
21. National Institute of Technology Karnataka, Surathkal

## ***Other Cities***

22. Tripura University
23. Indian Institute of Space Sciences and Technology, Trivandrum, Kerala.

## **Technical Sessions:**

### **Session 1: Exports, OFDI and Competitiveness:**

Chair: K. L. Krishna (MIDS and DSE)

Issues Discussed:

- Impact of reduction of carbon emissions on export competitiveness.
- FDI spillovers and exports
- Information technology and export performance
- Financial constraints, productivity and outward FDI

### **Session 2: R & D and Innovations**

Chair: B N Goldar (IEG)

Issues Discussed:

- R & D, total factor productivity and technology imports
- Upgrading in the Indian garment industry

### **Session 3: INAE Session: Technology Challenges for National Growth**

Chair: Adimurthy (ISRO)

Issues Discussed:

- Remote sensing technology for disaster management
- Socio economic impact of satellite navigation systems
- Urban transportation, pollution and environmental damages due to ship emissions
- Urban transport policies in the context of climate change

- Sustainable supply chain, space technology and knowledge management in agriculture
- Augmentation of technical innovations, and Indian space programme – touching lives.

#### **Session 4: Education and Skill Development**

Chair: Alakh Sharma (IHD)

Issues Discussed:

- Use of technology in providing engineering education
- Skill scarcity in Indian manufacturing
- New education technologies in higher education

#### **Session 5: Agriculture**

Chair: R S Deshpande (ISEC)

Issues Discussed:

- Agriculture Intensification Population Growth and Cropland Expansion

#### **Session 6: Productivity**

Chair: B L Pandit (DSE)

Issues Discussed:

- Productivity and foreign investment
- Productivity, energy intensity and output

#### **Session 7: Diversities**

Chair: S R Hashim (President, Knowledge Forum)

- Technology and growth disparity among states
- Regional diversity of development
- Resources and climate change

In addition to the seven technical sessions there was also a panel discussion on the global dimensions of the theme Chaired by Y. S. Rajan of ISRO