



Knowledge Forum 10th Annual Conference on “**Technology, Growth and Sustainability**”

Co-organiser: Indian National Academy of Engineering (INAE)

Hosted by: NIAS, Bangalore

November 27-28, 2015

Programme Schedule

November 26, 2015

19:00 - 20:00 **Governing Council Meeting of the Knowledge Forum**

November 27, 2015

8:30 – 9:00 **Registration**

9:00 – 10:00 **Introductory Session and Release of the 2013 Conference Volume Published by Springer**

Chair: **S. R. Hashim, President Knowledge Forum**

Welcome and Remarks: Baldev Raj, Director NIAS
Remarks INAE: B. N. Suresh, President INAE
Overview of the Conference: N. S. Siddharthan, Hon. Director Knowledge Forum
Remarks by Chair & Release of the Volume: S. R. Hashim, President Knowledge Forum
Vote of Thanks: K. Narayanan, Convener of Conferences, Knowledge Forum and Institute Chair Professor, IIT Bombay

10:00 – 10:30 **Tea/Coffee**

10:30 – 12:30 **Exports, OFDI and Competitiveness**

Chair/Discussant: **K. L. Krishna, Chairman MIDS**

1. Bishwanath Goldar (IEG, Delhi), Yashobanta Parida and Deepika Sehdev, “Reduction in Carbon Emissions Intensity among Indian Manufacturing Firms and Its Impact on Their Export Competitiveness, 2009-2013”
2. Pradeep Kumar Keshari, (IDBI), “Spillovers from FDI and Decision to Export by the Domestic Firms: The case of select Indian industries”
3. Savita Bhat, (NITK), “Information Technology Investments and Export Performance of Firms: A Study of Pharmaceutical Industry in India”
4. Subash Sasidharan and Padmaja M., (IITM), “Does Financing Constraints Matter for Outward Foreign Direct Investment Decision? Evidence from India”

12:30 – 13:30 R & D and Innovations

Chair/Discussant: Bishwanath Goldar, IEG Delhi

1. Maitri Ghosh and R.P. Roy, "FDI, Total Factor Productivity and Technology Import: Are these crucial in determining R&D intensity in Indian manufacturing?"
2. Saon Ray (ICRIER Delhi), Prithvijit Mukherjee and Mishita Mehra, "Upgrading in the Indian Garment Industry: A Study of Three Clusters"

13:30 – 14:30 Lunch

14:30 – 16:30 INAE Session: Technology Challenges for National Growth

Chair/Discussant: V. Adimurthy, INAE

1. P.G. Diwakar, V.K. Dadhwal and G. Srinivasa Rao, "Challenges in using Remote Sensing Technology for Disaster Management"
2. A.S. Ganeshan, "Socio-Economic Impact of Satellite Based Navigation Systems"
3. Ashish Verma, "Quantifying Sustainability to Assess Urban Transportation Policies and Projects - Case Studies from Bangalore"
4. Archana Devi and M. V. Ramana, "Impact of Ship Emission on the Bay of Bengal Pollution and Climate"

16:30 – 16:45 Tea/Coffee

16:45 – 18:45 INAE Session (Contd...)

5. Ashish Verma, V. Harsha and Mehvish Shah, "Urban Transport Policies in India in context to Climate Change: An International Perspective"
6. V.Ravi, "A Multicriteria Decision making Methodology for Selection of Suppliers in Sustainable Supply Chain"
7. C S Shaijumon, "Space Technology and Knowledge Management in Agriculture"
8. Gigy J. Alex, "Literary and Artistic Creativity to Augment Technical Innovations"
9. Jaya G Nair, S. Sridharan and S Aravamuthan, "Indian Space Programme -Touching Lives"

18:45 – 19:45 General Body Meeting

November 28, 2015

9:00 – 10:30 Education and Skill Development

Chair/Discussant: Alakh Sharma, Director IHD

1. Chidambaran G. Iyer, (NIAS), "Use of Technology in providing Quality Engineering Education: Exploring the Indian Experience"
2. Bino Paul, (TISS), "How acute is Skill Scarcity in Indian Manufacturing? Emerging Contours"
3. K. Lal (UNU – Maastricht) and Shampa Paul, "New Educational Technologies in Higher Education in India: Degree of Adoption and Sustainability"

10:30 – 11:00 Tea/Coffee

11:00 – 12:00

Agriculture

Chair/Discussant: R. S. Deshpande, Former Director ISEC

1. Amarendra Pratap Singh and K. Narayanan, (IITB), "Agriculture Intensification Population Growth and Cropland Expansion: Evidence from Post-Green Revolution Andhra Pradesh"
2. Tabassum Jamal, Kasturi Mandal, and Mahesh Kumar Saini, (CSIR-NISTADS), "Skilling in Agri-Sector For Growth & Sustainability -Mapping of Institutional Arrangements in the area of Education and Training in Agriculture"

12:00 – 13:00

Productivity

Chair/Discussant: B. L. Pandit, DSE

1. Isha Chawla, (DSE), "Foreign Involvement and Firm Productivity - An Analysis for Manufacturing Firms in India"
2. Santosh K. Sahu (MSE) and Himani Sharma, "Productivity, Energy Intensity and Output: A Unit Level Analysis of the Indian Manufacturing Sector"

13:00 – 14:00

Lunch

14:00 – 15:30

Diversities

Chair/Discussant: S. R. Hashim, President Knowledge Forum

1. Ashish Nath, (Tripura University), "Can Technology explain the growth disparity among the states?"
2. Poornima Dore and K. Narayanan, (IIT Bombay), "Regional Diversity of Development in India: Agglomeration, Skills and Access to Capital"
3. Unmesh Patnaik (TISS, Mumbai) and Prasun Kumar Das, "Are Developmental Interventions Helpful in Coping against Climatic Aberrations? Evidences from Drought Prone region in India "

15:30 – 16:00

Tea/Coffee

16:00 – 17:30

Global Dimensions [Panel Discussion]

Chair: Y S Rajan, ISRO

Panelists (*tentative*)

1. Stanley Nollen, Georgetown University, Washington DC
2. Baldev Raj, Director NIAS
3. Ashok Jain, Former Director, NISTAD CSIR
4. Lina Sonne, UNU-MERIT

17:30 – 18:00

Concluding Session