



4th Fraunhofer Innovation and Technology Platform (FIT) 2nd September 2016, Hotel Taj Palace, New Delhi

In Co-operation with
Ministry of Heavy Industries & Public Enterprises, Government of India
&
Ministry of New & Renewable Energy, Power and Mines, Government of India
& Supported by
Indo-German Science & Technology Centre (IGSTC)

Date: 1st & 2nd September, 2016

Venue: Hotel Taj Palace, New Delhi

Event Title: Smart Technologies for a Smarter Planet

Focus Theme: Smart Technologies in the area of Smart Manufacturing, Smart Cities & Smart Energy

Objective: 4th in the series of branding event focused to showcase Fraunhofer expertise in smart technologies (Smart Manufacturing, Smart Cities & Smart Energy) to specific target audience from Industry, Academia and Research as well as Government & Media.

Content:

The 4th Fraunhofer Innovation and Technology Platform (FIT) - 'Smart Technologies for a Smarter Planet' deals with the theme of smart or connected technologies and will begin with an Inaugural Plenary Session on 'Smart Technologies - The key Differentiator'

The event is being held in Delhi as the thematic focus will warrant participation from senior policy makers & bureaucrats who are major stakeholders & decision makers in the implementation of various government programs.

Proposed Structure:

- 1st September 2016, Thursday Afternoon: Press Conference and Networking Dinner with key decision makers and industry leaders
- 2nd September 2016, Friday 4th Fraunhofer Innovation & Technology Platform 2016

Inauguration of Smart Technology Exhibition

Fraunhofer has a number of ready - to - market technologies and products which will be showcased, as this will create an immediate interest in the Industry seeking to leapfrog innovation and research. Spin Offs from Fraunhofer as well as specific technologies from various Fraunhofer Institutes will be displayed either in Exhibit or Poster form. The objective behind this initiative is to excite the Indian Industry with ready to market products / technologies and gain their interest to later participate in larger projects.

DRAFT Programme

- Day 1 1st September 2016
- 17:00 hrs Welcome address by **Ms. Anandi Iyer**, Director, Fraunhofer Office India
- 17:10 hrs Introductory Address by **Prof Frank Treppe**, Director Corporate Strategy and International Relations Fraunhofer Gesellschaft Munich
- 17: 20 hrs Special Address by Guest of Honour **Shri Dr. V. K. Saraswat**, former Secretary Defence R&D and Member Niti Aayog
- 17: 50 hrs Fraunhofer Impulse Presentation - **Prof. Dr. Eicke Weber**: Renewable Energies: India can play a key role in rearranging the Renewable Energy leadership in the global context
- 18:10 hrs Fraunhofer Impulse Presentation - **Prof. Dr. Boris Otto**: Manufacturing and the global trends in Industry 4.0: The older order gives way to increased sophistication in Manufacturing. How can India maximise its IT capability to gain pole position
- 18:30 hrs Fraunhofer Impulse Presentation - **Dr. Jennifer Dungs**, Director, Mobility and Urban Systems Engineering, Fraunhofer IAO
- 18:50 hrs Fraunhofer Impulse Presentation - **Prof. Holger Kohl**: Fraunhofer's role in strengthening applied research ecosystems globally and its contribution to India
- 19:10 hrs Q&A & Discussion
- 19:30 hrs onwards: Networking Dinner

Day 2, 2nd September 2016

Agenda

09:00 - 10:00 hrs:	Registration
10:00 - 11:15 hrs:	Inaugural Plenary Session of the Fraunhofer Innovation and Technology Platform by Ms. Anandi Iyer followed by Lamp lighting ceremony
10:10 hrs	Smart Technologies - The key Differentiator by Prof. Frank Treppe, Director Corporate Strategy and International Relations, Fraunhofer
10: 20 hrs	Dr. Martin Hanz , Deputy Chief of Mission German Embassy
10:30 hrs	Context Setting of the 4th Fraunhofer Innovation and Technology Platform: Prof. Boris Otto, Chairman 4th FIT Platform.
10:40 hrs	Address by Dr. Arabinda Mitra Adviser & Head, International Cooperation (Bilateral), Department of Science & Technology, Govt of India
10:50 hrs	Special Address by Guest of Honour by <ul style="list-style-type: none">▪ Shri. Anant Geete, Hon'ble Minister, Ministry of Heavy Industries & Public Enterprises (HI&PE), Govt. of India
11:20 hrs	Release of study on Energy & Industry 4.0.
11:25 hrs	Vote of Thanks by Ms Anandi Iyer, Director Fraunhofer Office India & handing of mementoes
11:30 – 11:45	Coffee break
11:45 - 16:00 hrs:	Three Parallel Technical Sessions on Smart Manufacturing, Smart Energy and Smart Cities

Includes Lunch break

Smart Manufacturing

11:45 hrs	Keynote Address: Shri. Girish Shankar, Secretary, Department of Heavy Industry, Govt. of India
12: 05hrs	Digital Manufacturing and Industrial Data Space by Prof. Dr. Boris Otto, Head of the Fraunhofer Innovation Center for Logistics and IT (FILIT)
12: 25 hrs	Electromobility: Smart Mobility combines Smart Manufacturing by Prof. Matthias Busse, Director, Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM & CEO Fraunhofer Electromobility Forum

12: 45 hrs

Green Advanced Technologies: A Great Way to Greater Benefits in Manufacturing

by Dr. Andreas Sterzing, Senior Head of the Department Bulk Metal Forming &

Mr. Peter Blau, Senior Head of Department, Machine Tools and Automation, Fraunhofer Institute for Machine Tools and Forming IWU

13:15 – 14:00hrs

Lunch break

14:00 hrs

Designing Smart Components

by Mr. Michael Matthias, Head Adaptronics, Head of Department Actuators and Sensors, Fraunhofer Institute for Structural Durability and System Reliability LBF

14: 20 hrs

Connected Adaptive Production - The Role of Manufacturing in Smart Production Environments.

By Dr. Markus Zeis, Team Leader, Fraunhofer Institute for Production Technology IPT

14: 40 hrs

Manufacturing in the Indian market: Challenges and Opportunities

by Mr. Dattatreya Gaur, Senior Vice President Bosch India

15:00 hrs

Q & A and discussion

15: 45 hrs

Concluding Remarks

16:00 - 16:30 hrs

Coffee / Tea Break

Smart Energy

11:45 hrs

Keynote address: Shri. Dr. Inderjit Singh, Additional Secretary, Ministry of New & Renewable Energy and Power.

12: 05 hrs

Renewables and their contribution to the Smart Energy Mix

by Prof. Dr. Eicke Weber, Director, Fraunhofer Institute for Solar Energy Systems ISE

12: 25 hrs

Renewed Push for a more Sustainable Energy Programme in India

by Dr. Ajay Mathur, Director General, The Energy and Resources Institute TERI

12: 45 hrs

Smart Grids - an imperative to ensure reliable energy

by Mr. Fabian Niedermeyer, Research Associate at the Division Systems Engineering and Distribution Grids, Fraunhofer Institute for Wind Energy and Energy System Technology IWES.

13:15 hrs – 14:00 hrs

Lunch Break

14: 00 hrs

View into the future – Foresight as an innovation strategy
by Dr. Ewa Doenitz, Senior Researcher, Competence Center Foresight, Fraunhofer Institute for Systems and Innovation Research ISI

14: 20 hrs

Cold Thermal Energy Storage for Load Management of the Power Grid
by Dr. Clemens Pollerberg, Group Leader, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT

14: 40 hrs

Securing Energy for India's requirements
by Mr. Vikram Gandotra, Vice President and Divisional Head Siemens India

15:00 hrs

Q & A and Discussions

15: 45 hrs

Concluding Remarks

16:00 - 16:30 hrs

Coffee / Tea Break

Smart Cities

11: 45 hrs

Keynote Address: Shri. Durga Shanker Mishra, Additional Secretary (UD), Ministry of Urban Development, Govt. of India*.

12: 05 hrs

Smart City Labs: Best Practices from Global experiences
by Dr. Jennifer Dungs, Director, Mobility and Urban Systems Engineering, Fraunhofer IAO

12: 25 hrs

The Indian Industry's participation in the Smart City Programme
by Mr. James Caton, Head, Smarter Cities & Infrastructure L&T

12: 45 hrs

India's Smart City Programme and the role of Multipliers
by Mr Anand Madhavan, Head Infrastructure Practice, IMACS.

13:15 hrs – 14:00 hrs

Lunch break

14: 00 hrs

German Smart City Consortium
by Mr. Dhiraj Wali, Vice President, Robert Bosch Engineering and Business Solutions & by Mr. Deepak Goray, Head, City Account Management, Cluster South Asia, Siemens Ltd.

14: 20 hrs

What about Smart Villages?
Dr. Mathias Kretschmer, Fraunhofer Institute for Open Communication Systems

14: 40 hrs

Indo German Water Partnership
by Mr. Aditya Bhujle, India representative, Indo German Water partnership

15:00 hrs	Q & A and discussion
15:45 hrs	Concluding Remarks
16:00 - 16:30 hrs	Coffee / Tea Break
16:30 - 17:15 hrs:	<p>Special Session: Fraunhofer Academy Capacity building with India - Advanced Training made by Fraunhofer by Ms. Clara Tu, Fraunhofer Academy and Telsche Nielsen-Lange, Fraunhofer IWES</p> <p>Fraunhofer Spin Offs: Ready to market Technologies for India by Dr. Clemens Pollerberg, Group Leader, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT</p>
17:15 - 18:30 hrs:	<p>Concluding Plenary Session: High powered Panel Discussion Prof. Frank Treppe, Prof. Dr. Boris Otto, Prof. Dr. Eicke Weber, Prof. Dr.-Ing. habil. Matthias Busse, Dr. Jennifer Dungs</p> <p>Guest of Honour @ Concluding Session Shri. Amitabh Kant, CEO, NITI Aayog (National Institution for Transforming India), Govt. of India. *</p>
19:00 hrs onwards:	<p>Networking Dinner *****</p>