

## **2nd Fraunhofer Innovation and Technology Platform "Sustainable Technologies for the City of the Future" – Mobility, Energy and Water, ICT**

31st October, 2012, The Taj West End Hotel, Bangalore

09:00 Registration/Reception

### **10:00-11:10 Inaugural Plenary Session: 'Living and Working in the City of the Future'**

Welcome Address Ms. Anandi Iyer (Fraunhofer Representative and Senior Advisor India)

Welcome Address Dr. Ingo Karsten (German Consul General)

#### **Lighting of the Lamp**

Special Address Prof. Dr.-Ing. Hans-Jörg Bullinger (Past President of Fraunhofer-Gesellschaft)

Indian Perspective Mr. V. Sriram (Chief Operating Officer, ICRA Management Consulting Services Limited IMaCS)

Guest of Honour Mr. S V Ranganath IAS (Chief Secretary, Government of Karnataka)

### **11:10-11:30 Coffee/Tea Break**

### **11:30-15:30 Parallel Technical Sessions Including Networking Lunch**

#### **Technical Session 1: Mobility**

Chairman Prof. Dr.-Ing. Holger Hanselka (Institute Director, Fraunhofer Institute for Structural Durability and System Reliability LBF)

Panelists M.Eng., Dipl.-Ing. (FH) Julia Decker (Fraunhofer Institute for Structural Durability and System Reliability LBF)

#### **Lightweight design of safety components**

Dr.-Ing. Thoralf Knote (Fraunhofer Institute for Transportation and Infrastructure Systems IVI)

#### **AutoTram® Extra Grand**

#### **High Capacity Public Transport**

Dr.-Ing. Andreas Sterzing (Fraunhofer Institute for  
Machine Tools and Forming Technologies IWU)

**Net-Shape Technologies for Powertrain Components  
- Potentials for Efficiency in Manufacturing and  
Operation**

Dipl.-Ing. Kristian Arntz (Fraunhofer Institute for  
Production Technology IPT)

**Manufacturing Technology and Production  
Management - Enabler for future Mobility Concepts**

Indian Perspective

Dr. Arvind Vadiraj (Advanced Engineering Center, Ashok  
Leyland)

**Technical Session 2: Energy and Water**

Chairman

Prof. Dr.-Ing. Eckhard Weidner (Institute Director,  
Fraunhofer Institute for Environmental, Safety and Energy  
Technology UMSICHT)

**Selected technologies for saving energy, water and  
resources. Contributions of Fraunhofer UMSICHT to  
sustainable cities of tomorrow**

Panelists

Dipl.-Ing. Hans Erhorn (Fraunhofer Institute for Building  
Physics IBP)

**The age of positive energy buildings has come**

Dr.-Ing. Ursula Schließmann (Fraunhofer Institute for  
Interfacial Engineering and Biotechnology IGB)

**Water Management. Challenges and Concepts**

Dipl.-Phys. Gerhard Stryi-Hipp (Fraunhofer Institute for  
Solar Energy Systems ISE)

**Solar technologies and their prospects**

Indian Perspective

Mr. K. Jairaj (Chairman Indian Institute of Sustainable  
Enterprises)

**Technical Session 3: ICT**

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| Chairman           | Dipl.-Ing. Alexander Nouak (Fraunhofer Institute for Computer Graphics Research IGD)<br><b>Authentication in the City of the Future. A Balance between Security and Convenience</b>                                                                                                                                             |
| Panelists          | Dr.-Ing. Sabine Brunswicker (Fraunhofer Institute for Administration and Organisation IAO)<br><b>Open Innovation and Smart Sustainable Cities</b><br>Dr. rer. nat. Ulrich Leiner (Fraunhofer Institute for Telecommunications, Heinrich Hertz Institute)<br><b>Intelligent networks and services for the city of the future</b> |
| Indian Perspective | Mr. Subu Goparaju (Head Infosys Labs and Products R&D)                                                                                                                                                                                                                                                                          |

**15:30-16:00 Coffee/Tea Break**

**16:00-17:30 Concluding Plenary Session: Living and Working in the City of the Future**

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| Chairman           | Prof. Dr.-Ing. Hans-Jörg Bullinger (Past President of Fraunhofer-Gesellschaft)                                                                                                                                                                                       |
| Panelists          | Prof. Dr.-Ing. Holger Hanselka (Institute Director, Fraunhofer Institute for Structural Durability and System Reliability LBF)<br><b>eMobility – future tasks and present opportunities</b><br>Ms. Anandi Iyer (Fraunhofer Representative and Senior Advisor, India) |
| Indian Perspective | Mr. Chetan Maini (Founder and Chief of Strategy & Technology, Mahindra Reva Electric Vehicles Pvt. Ltd.)                                                                                                                                                             |

**18:30** Cocktails, Cultural Performance and Networking Dinner