

## PRESS RELEASE



### **ACHEMA GERMANY 2012** **30<sup>th</sup> World Exhibition Congress • Frankfurt am Main** **18<sup>th</sup> -22<sup>nd</sup> June 2012**

*by Om Prakash – Director, In ORBIT Tours, official tour operators  
appointed by DECHEMA, the organizers of ACHEMA 2012*

*Mumbai, 3<sup>rd</sup> February 2012*

Around 4,000 exhibitors from all continents and 175,000 visitors from over 90 countries are expected to attend the exhibition. **Achema** is without doubt the world forum for the process industry and the trend-setting technology summit in:

- **Chemical Engineering**
- **Environmental Protection**
- **Biotechnology**
- **Pharmaceutical**
- **Food industries**
- **Energy Generation**
- **Materials technology**
- **Packaging, Pumps, Compressors & Valves**
- **Laboratory and Analytical technologies**
- **Instrumentation**
- **Control & Automation technologies**
- **Industrial & Labour Safety.**

#### **Innovative Concepts for the Use of Resources:**

**ACHEMA's** special show has always focused on areas in the field of the process industries that are oriented towards the future. With the topic "Chemistry and Biotechnology for Renewable Resources and Energy", **ACHEMA 2012** will be highlighting the rapidly increasing importance of the use of non-fossil resources as materials and energy providers. In addition to industrial ("white") biotechnology, the special show will also include bio-refineries and plants for the production of bio-fuels and bio-gas as well as bio-plastics and bio-composites. Photovoltaic, solar-chemical processes and not least, thermal and chemical processes will also be represented within the spectrum of topics covered by the special show.

## **ACHEMA Congress: The Complete range of topics:**

### **GENERAL TOPICS:**

- Advanced Reaction Technology
- Mixing and Separation Technology
- Plant Components: Apparatus, Piping, Reactors
- Plant Controlling: Systems, Field Devices and Concepts.
- Processes and Apparatus for Pharmaceutical Production
- Laboratory and Analysis Techniques
- Safety
- Industrial Security / Risk Management
- Materials and Materials Testing
- E-Learning
- Chemical Leasing / Forward Integration

### **SPECIAL SESSIONS:**

#### **Focus: BioEconomy**

- New Products through Biotechnology: Fuels, Polymers, Biopharmaceuticals.
- Raw Materials for Biotechnology: Synthesis Gas, Lignocellulosics
- Bio-Refineries and Processing of Renewables
- Development and Application of Novel Biocatalysts: Enzymes, Cells, Organisms
- High-Tech Equipment for Biotechnology: Sequencers, Synthesizers, Chips
- Bioprocess: Reactors, Monitoring, Modeling, Downstream Processing
  - Food Biotechnology

#### **Focus: Process Technology**

- Potable and Ultra pure Water Generation
- Energy Efficiency by Integrated Processes
- Reaction Modeling for Layout and Control
- Solids Process Engineering
- Recycling and urban Mining
- Single-use Reactors
- CO<sub>2</sub> Separation and Utilisation

#### **Focus: Materials Technology**

- Energy Storage, Transport and Use
- Plastics vs. Metal: Options for Plant Engineering and Design
- Chemical Nanotechnology
- Advanced Fluids in Process Engineering

### **Special travel packages by In ORBIT TOURS**

The tour is organized by Mr. Om Prakash Details of the visits can be obtained from the official tour operators appointed by DECHEMA, the organizers of AICHEMA 2012 INORBIT Tours Pvt. Ltd., email: [omprakash@inorbittours.com](mailto:omprakash@inorbittours.com) or Tel: 022 2422 9281 attn Mr. Om Prakash.

***Kindly circulate/publish the information for the benefit of your members & readers.***