

SATW Congress 2007, September 5, 2007, Davos Congress Center

## Spreading Innovation between Asian Nations and Switzerland

### Fostering Relations between Academies and Industry to Promote Innovation

- 08:30 Welcome Address and Introduction
- 08:45 **China**  
Sino-Swiss Cooperation in Science and Technology – An Overview  
The Role of the Chinese Academies in Science and Innovation  
Joint Activities of Swiss and Chinese Universities  
Advanced Cooperation of Swiss Industry with China – Status and Outlook
- 10:30 **Korea**  
Korean-Swiss Cooperation in Science and Technology – an Overview  
The Role of the Korean Academies in Science and Innovation  
Advanced Cooperation of Swiss Industry with Korea – Status and Outlook
- 13:00 **Japan**  
Japanese-Swiss Cooperation in Science and Technology – an Overview  
The Role of the Japanese Academies in Science and Innovation  
Advanced Cooperation of Swiss Industry with Japan – Status and Outlook
- 14:30 **India**  
Indian-Swiss Cooperation in Science and Technology – an Overview  
The Role of Indian Academies in Science and Innovation  
Joint Activities of Swiss and Indian Universities  
Advanced Cooperation of Swiss Industry with India – Status and Outlook
- 16:00 Joint Closing Session SATW and R'07
- 17:00 Farewell Reception

[www.satw.ch](http://www.satw.ch)

Co-Organizers of the R'07  
World Congress



## R'07 World Congress, Davos, Switzerland, September 3 – 5, 2007

### Recovery of Materials and Energy for Resource Efficiency

[www.r07.org](http://www.r07.org)

#### Invited Plenary Speakers

- September 3: Thomas E. Graedel, Yale University, U.S.A.  
Jinghai Li, Chinese Academy of Sciences, P.R. China  
Friedrich Schmidt-Bleek, Factor 10 Institute, France  
Alexander Wokaun, ETH and Paul Scherrer Institut, Switzerland
- September 4: Gabi Hildesheimer, Swiss Association for Environmentally Conscious Management, Switzerland  
Kit Strange, Resource Recovery Forum, United Kingdom
- September 5: Migen Dibra, Migen Dibra Law Firm, Canada

The R'07 World Congress promotes innovative technologies and frameworks to improve material and energy efficiencies in the production, use, and recycling of materials.

R'07 addresses experts from science and engineering, from supply and recycling industries, from public authorities and international organizations in order to stimulate closer cooperation among the various disciplines and stakeholders across the materials' life cycles.

Sustainable development and climate change mitigation require a substantial reduction in the life-cycle-wide resource demand per consumed service unit (dematerialization). Therefore, optimal solutions have to be found for the trade-off between closing material loops and saving energy for processing and transport. This may involve integrated resource management and improved information processing, as well as innovation at the level of technological processes, products, product-service systems, and institutional frameworks.



# R'07 Program Outline

## Monday, September 3

**08:30**

### Welcome Addresses:

- Xaver Edelmann, R'07 Congress Chairman, Empa, Switzerland
- Claudio Lardi, Member of the Cantonal Government of Graubünden, Switzerland
- Li, Jinghai, Chinese Academy of Sciences, P.R. China

### Material Productivity for a Future World

Friedrich Schmidt-Bleek, Factor 10 Institute, France

### The 2000 Watt Society – a Swiss Vision for the Energy Future

Alexander Wokaun, ETH and Paul Scherrer Institut, Switzerland

**11:00**

- A1 Automotive Industry
- B1 Energy Efficiency in Process Engineering
- C1 Waste Water Treatment
- D1 Plastics Recycling
- E1 Life Cycle Thinking and Management  
Keynote Lecture: Christian Hagelüken, Germany

**14:00**

Invited Plenary Session

### Metal Stocks and Sustainability

Thomas E. Graedel, Yale University, U.S.A.

**14:30**

- A2 Cement Industry
- B2 Energy Recovery and Power Generation
- C2 Toxic Waste Treatment
- W1 Workshop: Plastics Recycling in the North-South Context, Part I

**16:30**

- A3 Coal Combustion Products  
Keynote Lecture: Wolfgang vom Berg, Germany
- B3 LCA in Waste Treatment and Recycling  
Keynote Lecture: Rolf Frischknecht, Switzerland

- C3 Organic Municipal Solid Waste
- W1 Workshop: Plastics Recycling in the North-South Context, Part II

**18:00**

Welcome Reception and Poster Award

## Tuesday, September 4

**08:15**

### Promoting Sustainability: A One Stop Shop for Efficiency Tools

Gabi Hildesheimer, Swiss Association for Environmentally Conscious Management, Switzerland

**09:00**

- A4 Construction Materials I
- B4 Greenhouse Gas Reduction
- C4 Materials and Energy from Biomass
- D4 Electrical/Electronic Waste and Producer Responsibility  
Keynote Lecture: Klaus Hieronymi, Germany
- E4 Political and Legal Frameworks

**11:00**

- A5 Construction Materials II
- B5 Municipal Solid Waste Incineration
- C5 Biofuels
- D5 Electrical/Electronic Waste Recycling
- E5 Socio-economic Aspects

**14:00**

### Key Trends in European Municipal Solid Waste Management – Policy and Practice

Kit Strange, Resource Recovery Forum, United Kingdom

**14:30**

- A6 Construction Materials III
- B6 Metal Recovery  
Keynote Lecture: Brajendra Mishra, U.S.A.
- W3 Workshop: Biofuels and Biomaterials, Part I
- W4 Workshop: Electrical/Electronic Waste Recycling, Part I
- W5 Workshop: Zero Waste, Part I

**16:30**

- A7 Steel Industry I  
Keynote Lecture: Gerhard Endemann, Germany
- B7 Separation Technologies
- W3 Workshop: Biofuels and Biomaterials, Part II
- W4 Workshop: Electrical/Electronic Waste Recycling, Part II
- W5 Workshop: Zero Waste, Part II

**19:30**

Congress Banquet together with SATW Congress participants

## Wednesday, September 5

In parallel with R'07, the SATW Annual Congress «Spreading Innovation between Asian Nations and Switzerland» will take place. This congress is open to all R'07 participants. Program see reverse.

**08:30**

**Overview of Current Mergers and Acquisitions in Recycling and Metal and Materials Processing Industries – their Legal Status and Perspective**  
Migen Dibra, Migen Dibra Law Firm, Canada

**09:00**

- A8 Cleaner Production
- B8 Industrial Symbiosis
- C8 Battery Recycling and IT Energy Use
- W6 Workshop: Emerging Technologies and Scarce Metals, Part I

**11:00**

- A9 Sustainable Resource Management
- B9 Management Methods
- C9 Resource Statistics and Material Flow Analysis
- W6 Workshop: Emerging Technologies and Scarce Metals, Part II

**14:30**

- A10 Rump Session
- B10 Information Systems for Resource and Waste Management

- C10 Education for Material Efficiency and Recycling
- W7 Workshop: Ecological and Social Footprint of Electronics

**16:00**

- Closing Session
- Reports from Workshops
- Summary Report SATW Congress

**17:00**

Farewell Reception

## Thursday, September 6

**08:30**

### Post Conference Tour 1

Factory tour: Misapor/Tegra/Stallinger/ Ems-Chemie/Holcim

### Post Conference Tour 2

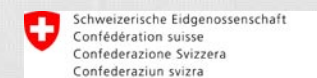
Plant visit: Visit of Kompogas biowaste processing information center

**Registration:** [www.r07.org](http://www.r07.org)

### Congress Chairman

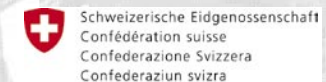
Dr. Xaver Edelmann  
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