

SATW Congress 2007

Spreading Innovation between Asian Nations and Switzerland

Wednesday, 5 September 2007

Congress Centre, Davos, Switzerland



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Fostering relations between Academies and Industry to promote innovation

Switzerland's future lies in Asia: the SATW Congress 2007 demonstrates the extent to which this assertion is true. It identifies areas for possible innovations of interest both to Switzerland and to Asian countries. Its main focus is on scientific and commercial collaborations with China, Japan and India.

This year's Congress will take place at the venue of the WEF in Davos and will be aimed in particular at people working in science, industry, commerce, politics, public authorities and the academies as well as those with an interest in technical innovations. The Congress is integrated within the three-day international R'07 Congress «Recovery of Materials and Energy for Resource Efficiency».

www.satw.ch www.r07.org



Welcome to Davos!

To date, Switzerland's cooperation has centred on its neighbouring countries and the U.S. (over 50% of foreign trade volume). But it is foreseeable that the larger Asian nations will soon account for over half of total Swiss foreign trade.

In the field of industry, a major shift has taken place over the past few years: whereas previously Swiss industry used to purchase components from Asia and manufacture the end products at home, many Swiss companies (especially large ones) are now integrated into Asia's industrial landscape and fabricate their products locally. A number of Swiss businesses have also relocated their research and development to their new production sites.

In the field of science, many and diverse contacts and collaborative ventures exist today between researchers, professors and universities in Switzerland and in Asia. An important supplement to this is the cooperation between academies. India, China and Japan all have extremely well-structured, well-equipped and internationally acknowledged academies. Academies in these countries play a particularly important role because they are an integral part of the educational and

scientific sectors, and in some cases have their own institutes and faculties and ample funding. Since its establishment, the Swiss Academy of Engineering Sciences (SATW) has maintained close ties with Asian academies. It has signed cooperation agreements – memoranda of understanding – with several of them. Especially close contacts have been established with China in the fields of process engineering and applied optics, with India in bioengineering and with Japan in robotics and other areas.

We trust that the SATW Congress 2007 will further strengthen contacts and cooperation between Switzerland and SATW on the one hand and the abovementioned Asian countries and their academies on the other hand for the benefit of innovation in the nations in question.

Prof. Dr. René Dändliker
President SATW

Dr. Arthur Ruf
President of the SATW Committee on Foreign Relations

Programme

10:00

Welcome Address and Introduction

Prof. Dr. René Dändliker, President SATW

China

10:15

Sino-Swiss Cooperation in Science and Technology – an Overview

Prof. Dr. Wan Qiushan, First Secretary, Head of the Division for Science and Technology, Embassy of the People's Republic of China in Switzerland

The Role of Chinese Academies in Science and Innovation

Prof. Dr. Jinghai Li, Vice-President of the Chinese Academy of Sciences (CAS)

Joint Activities of Swiss and Chinese Universities

Dr. Haijing Wang, ETH Zurich, Contact Person for Sino-Swiss Science and Technology Relations

Advanced Cooperation of Swiss Industry with China – Status and Outlook

Representative of Swiss industries cooperating with China

Discussion

11:30

Lunch break

Japan

13:00

The Role of Japanese Academies in Science and Innovation

Dr. Tsuneo Nakahara, President of the Engineering Academy of Japan (EAJ)

Advanced Cooperation of Swiss Industry with Japan – Status and Outlook

Representative of Swiss industries cooperating with Japan

Discussion

14:00 **Refreshment break**

India

14:30 **The Role of Indian Academies in Science and Innovation**

Dr. P. S. Goel, Indian National Academy of Engineering (INAE)

Joint Activities of Swiss and Indian Universities

Prof. Dr. Pramod Rastogi, EPF Lausanne, Contact Person for Indian–Swiss Science and Technology Relations

Advanced Cooperation of Swiss Industry with India – Status and Outlook

Representative of Swiss industries cooperating with India

Discussion

Conclusions

16:00 **Closing session**

Findings of R'07 workshops and conclusions of SATW Congress

17:00 **Farewell Reception**

Congress venue

The SATW Congress will be held in the highest altitude congress town in Europe. The Davos Congress Centre in its idyllic Alpine setting has an excellent infrastructure and offers a wide range of services and culinary and leisure opportunities: **www.davos.ch**.

How to reach the Davos Congress Centre?

By train: From Zurich main station via Landquart (change train) to Davos Dorf. Take bus 1, 2, 3 or 7 to «Kongresszentrum/Hallenbad».

Departure Berne 6:30

Departure Zurich 7:37

Arrival Davos 9:55

Departure Davos 18:02

Arrival Zurich 20:47

Arrival Berne 21:58

By car: Take the A3 highway from Zurich in the direction of Chur till Landquart. Then follow the signs. It is 145 km from Zurich to Davos. The drive takes about 1,5 hours. The Davos Congress Centre has a large free parking area.

Application

Please use the electronic registration form found at **www.r07.org**. There you can register to attend both the SATW and the R'07 Congresses. You can also make hotel reservations via this link. If you encounter any difficulties please contact the SATW Secretariat: **info@satw.ch** or +41 (0)44 226 50 11. The closing date for applications is 15 August 2007.

The congress fee is 200 Euro or 330 CHF. Lunch and breaktime refreshments are included. SATW members and experts pay only half of the Congress fee.

You are also warmly invited to attend the evening programme the day before the Congress when SATW will be holding a welcoming ceremony to admit its new members. This will be followed by a banquet, which costs 70 Euro.

If you are prevented from attending, your Congress fee can be refunded. However, notice of cancellation must be received in writing by the SATW Secretariat by 15 August 2007.

Two congresses in the same place

This year's SATW Congress is integrated within the R'07 Congress. The R'07 World Congress is the eighth event in the bi-annual R' World Congress series, which began in 1993. Contributions from emerging economies, which have been very inspiring at past conferences, are extremely important in today's globalised world.

The R'07 World Congress addresses experts from science and engineering, from the supply and recycling industries, from public authorities and international organisations, in order to stimulate closer cooperation between the various disciplines and stakeholders across the materials life cycle. It aims to improve material and energy efficiency in industries that include energy supply, cement and building materials, metallurgy, chemicals, glass, pulp and paper, machinery and the automobile and electronics industries as well as the tasks of collection, sorting, processing and final disposal of post-consumer material. Issues of environmental protection will be addressed where they are related to improving material and energy efficiency and minimising disposal, including the integration of renewable energy and biomass into the production chain.

Science and technology for the benefit of society

The Swiss Academy of Engineering Sciences (SATW) is a network of people who have been committed to promoting technology for the benefit of society and improving society's understanding of technology since 1981. The organisation is non-profit-making and politically independent. SATW brings together persons, institutions and specialist companies in Switzerland which are active in the engineering sciences and in their application and promotion. It currently has about 240 individual members and about 60 member societies.

The academy appoints committees and study groups in various specialist areas. These organise events and draw up studies and recommendations. SATW maintains standing committees in the fields of Energy, Applied Biosciences, Nanotechnology, Information and Communication Technology, Ethics and Technology, Foreign Relations and Technology and Society: www.satw.ch

Together with its sister academies of social, medical and natural sciences SATW forms part of the strategic association «Swiss Academies of Arts and Sciences»: www.swiss-academies.ch

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SATW

Schweizerische Akademie der Technischen Wissenschaften
Académie suisse des sciences techniques
Accademia svizzera delle scienze tecniche
Swiss Academy of Engineering Sciences



Member of the
Swiss Academies of Arts and Sciences