
**Swiss Academy of Engineering
Sciences SATW**

Who we are and what we do

satw it's all about
technology

“The academies are the largest and most cost-effective scientific network in Switzerland thanks to its militia system. Their achievements, especially in the field of early identification, are important for keeping Switzerland innovative and competitive. In an increasingly complex technological world, the SATW is of particular importance.”



Image: ZHAW

Professor Martina Hirayama

State Secretary for Education, Research and Innovation and a member of SATW

What are the relevant technological developments for Switzerland?

The Swiss Academy of Engineering Sciences SATW has been commissioned by the Confederation to identify the **technological developments** relevant to Switzerland. We provide independent, objective and comprehensive information and thus create the basis for a sound formation of opinion. In doing so, we rely on the expertise and experience of our members and other experts. We summarise our findings in the form of **reports, fact sheets** or **studies** or we make them accessible to various stakeholders through events.

Every two years, we publish a **Technology Outlook**, which assesses the most important technological developments and their consequences for Switzerland and highlights the respective **opportunities and risks**. The authors include Switzerland's most prominent experts in their respective fields. If our experts are convinced that Switzerland risks missing an important decision or that adjustments to the framework conditions are necessary for optimal development, we publish appropriate **discussion papers** and initiate a **dialogue** with decision-makers to inform them.

“In addition to universities that educate, conduct research and transfer knowledge to society and companies, institutions such as the SATW are needed. These institutions help to analyse the effects of technological innovations in a multidisciplinary way and thereby promote a fact-based dialogue.”

Image: ETH Zürich / Markus Bertschi

Professor Joël Mesot
President ETH Zurich and a member of SATW

What impact do new technologies have on society and the economy?

The Swiss Academy of Engineering Sciences SATW brings together the **most important experts** in the technical sciences – across universities and disciplines. We initiate and establish **networks** with important stakeholders, for example in the fields of advanced manufacturing or cybersecurity. Using research overviews, we show which research groups in Switzerland deal with specific technical topics. Within the framework of **innovation forums**, we bring together experts from various disciplines to openly and trustingly discuss the future developments of technologies, including their opportunities and risks. The knowledge thus gained serves as a basis for our activities. This includes **events** and **publications** but also advising decision-makers from politics, administration and business.

Finally, it is also part of our mission to promote **understanding of technology** and sustainable action in society. For example, through our public events **TecToday**, for which we each take up a current topic, the invited experts then discuss not only from a technical perspective but also from an ethical, economic, ecological, political or social point of view. Accordingly, we ensure a high degree of diversity in the composition of the panel.

A woman with dark, wavy hair and bangs, wearing a black blazer over a bright red dress, stands on a staircase. She is leaning her right hand on a dark metal railing. The background is a light-colored wall with a large, abstract blue and white artwork. The lighting is soft and even.

“The SATW observes technological change and draws attention to relevant developments at an early stage. This knowledge is of great importance for Switzerland as an economic and industrial centre.”

Image: Ruben Wyttenbach

Dr Suzanne Thoma
CEO BKW AG and a member of SATW

What about Switzerland as a business location – today and in the future?

The Swiss Academy of Engineering Sciences SATW promotes cooperation between industry, research and educational institutions and connects leading experts and organisations in technical sciences – nationally and internationally. We are committed to translating scientific findings into economically valuable products and services and make a contribution to **promoting innovation**, especially among SMEs. We care about a strong business location with ideal framework conditions and an innovative domestic industry. Switzerland's innovative strength is a decisive **competitive advantage** and we want to contribute to maintaining or even increasing it.

With programmes such as **Swiss TecLadies**, we promote interest in technology and technical professions among young people, especially girls. In this way, we are making a contribution to combating the **shortage of skilled workers** in engineering and IT professions. With didactic materials such as the youth magazine «Technoscope» or established events such as **TecDays** and **TecNights**, which are carried out in partnership with the respective grammar schools, we support the teaching of technology in the classroom. So far, more than 60,000 students have taken part in a TecDay. Around 8,000 are added each year. SATW also operates the website **educamint.ch**, which is the largest directory of extracurricular MINT learning opportunities in Switzerland.

Would you like to know more about us and keep up to date with our activities? Get informed:

On our website or by newsletter (ten times a year in German and French):



www.satw.ch/en



www.satw.ch/newsletter

On the social web:



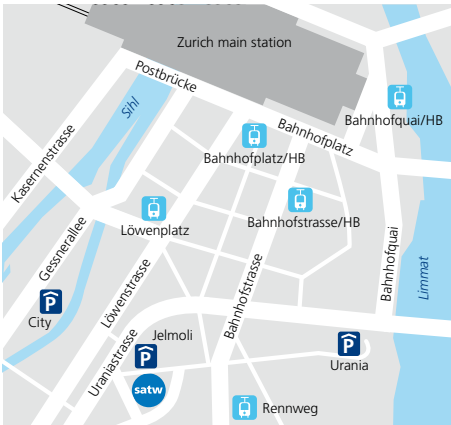
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You can find us here:
(ten minute walk from Zurich main station)

satw it's all about
technology



Member of the
Swiss Academies of Arts and Sciences

Swiss Academy of Engineering Sciences SATW
St. Annagasse 18 | 8001 Zürich | 044 226 50 11
info@satw.ch | www.satw.ch