

Media Release

Eminent engineering scientists SATW welcomes 12 new members



Zurich, 28 March 2023. **This year, the Swiss Academy of Engineering Sciences SATW has added twelve new Full Members to its network. Each possesses an impressive track record in the engineering sciences.**

SATW is a network of key figures from science and industry. Individuals who make a special contribution to furthering SATW's goals and/or the engineering sciences can be elected Full Members. All members are elected in a secret ballot of eligible voters in a procedure directed by the Nomination Committee.

Twelve new Full Members were elected in 2023, as a result of which SATW now has a total of 365 Full and 10 Honorary Members. The new members' election will be marked at the General Meeting on 17 May by a certificate presentation ceremony.

Full Members

Prof. Roger Abächerli has been appointed a Full Member of SATW in recognition of his outstanding achievements in the development of medtech products and his contributions to research and teaching in this field.

Christoph Aeschlimann has been appointed a Full Member of SATW in recognition of his remarkable contributions as a visionary engineer and strategist in the communication systems field.

Prof. Gion Caminada has been appointed a Full Member of SATW in recognition of his fundamental contributions to architecture in teaching, practice and research. His work is characterised by the vision of bringing culture and nature into harmony and promoting a sustainable housing policy.

Prof. Christian Franck has been appointed a Full Member of SATW in recognition of his outstanding achievements in teaching and research, particularly regarding the use of new climate-friendly insulating gases in electrical energy technology.

Prof. Junguo Liu has been appointed a Full Member of SATW in recognition of his extraordinary contributions to linking climate scenarios with water risk assessment and the necessary hydraulic engineering measures.

Prof. Tobias J. Kippenberg has been appointed a Full Member of SATW in recognition of his pioneering research in quantum optomechanics, the development of micro-resonator-based optical frequency combs and his contribution as the co-creator of photonic integrated circuit technology.

Prof. Adrian Perrig has been appointed a Full Member of SATW in recognition of his pioneering research and contributions to computer and network security, particularly the development and implementation of the new high-security SCION internet.

Prof. Robert Riener has been appointed a Full Member of SATW in recognition of his outstanding achievements in research, development and clinical evaluation pertaining to rehabilitation robots and assistive technologies suitable for everyday use, particularly via the Cybathlon platform, which he initiated.

Prof. Christian Rüegg has been appointed a Full Member of SATW in recognition of his outstanding achievements in the field of solid-state physics, as well as in the further development and instrumentation of neutron sources.

Prof. Olga Sorkine-Hornung has been appointed a Full Member of SATW in recognition of her outstanding contributions to research and development in computer graphics, geometric modelling, digital geometry processing, computer animation and visual computing.

Prof. Luc Thévenaz has been appointed a Full Member of SATW in recognition of his pioneering role in the development of fibre-optic technologies and new solutions for photonics-based sensors.

Prof. Tanja Zimmermann has been appointed a Full Member of SATW in recognition of her innovative work on nanocellulose and the expansion of the practical applications of wood-based materials.

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SATW – technology for society

The Swiss Academy of Engineering Sciences SATW is the most important network of experts for engineering sciences in Switzerland and is in contact with the highest Swiss bodies for science, politics and industry. The network comprises elected individual members, member organisations and experts. SATW identifies industrially relevant technological developments on behalf of the Swiss Confederation and informs the government and public about their significance and consequences. As a unique expert organisation with high credibility, it conveys independent and objective information on technology as the basis for establishing informed opinions. SATW also promotes interest in and understanding of technology among the general population and particularly among young people. It is politically independent and non-commercial. www.satw.ch