

Switzerland Section

Almedin Kavaz

Section Vitality

At the 2024 IEEE Switzerland Section General Assembly meeting held on Tuesday, May 14th, at ETH AI Center, a new Vice-Chair for 2025 was elected. This election is a significant step in ensuring the continued leadership and vitality of our section.

- **Increased Membership:** Our member retention and recruitment efforts have resulted in a steady increase in membership over the past year.
- **Engaged Community:** We have successfully fostered a strong and engaged community within our section.
- **Positive Feedback:** Members have provided positive feedback on our activities and initiatives.

Students

List of Student Branches (SB) in the Section:

- EPFL SB
- ETH SB

EPFL:

The Stammtischs brings together IEEE members and EPFL students. The apero that follows is a great opportunity to discuss with the speakers and among participants.

- 25 March Stammtisch: Dr. Julien Vallet presented LiDAR mapping : Technology and applications
- 29 April Stammtisch : PhD Student Luc Bondaz presented 2D graphene pores for energy efficient gas separation
- Planning 17 October Stammtisch : Bob Melville, IEEE Senior Member, comes from the US to debate about Thinking Outside the Box.

ETH:

Hitachi Lenzburg, 25 April 2024: Hitachi Semiconductors Factory Tour organized with EPFL Student Branch.

Affinity Groups & Chapters

Korea-Switzerland Semiconductor Technology Forum

On Sep. 6th at ETH Zurich, His Excellency Mr. KEUM Chang-rok, Ambassador of the Republic of Korea and Ms. Maria Peyro-Voeffray of the Swiss SERI (Secretariat for Research and Innovation), welcomed more than 150 participants to the second Korea-Switzerland Forum, about **The Present and Future of Semiconductor Technology**. Many aspects of semiconductor technology were covered by four professors from South Korea who travelled to Zurich, by one industry expert joined online, and by four professors from ETHZ and EPFL.

YP AG planned events:

1. 2024 October 25th | Industry event to Gösgen nuclear power plant
2. 2024 November 29th | Industry event to Zürich Waste-to-Energy-Plan

Activities since the last report

For the first time, IEEE Switzerland proudly sponsored EnergyDataHackdays 2024 (12/13 September), joining an event that brought together around 150 participants, including challenge owners, interested visitors, and sponsors. Organized by the Energy Data Innovation Hub (EDIH) association, Hightech Zentrum Aargau, and Opendata.ch, this event is a unique platform where diverse minds collaborate to solve some of the most pressing challenges in the energy sector.

This year's hackathon featured 13 challenges, with teams tackling issues from grid optimization to sustainable energy use. With IEEE Switzerland's strong presence, we are excited to imagine hosting our own challenge next year, leveraging the expertise of our members. This could involve collaboration with our two student branches, young professionals, and dedicated chapters in adjacent fields, such as the Power & Energy Society (PES).

EnergyDataHackdays is a great opportunity for IEEE members to engage in open innovation, applying their skills to real-world problems that can have a lasting impact on sustainability. The event fosters collaboration between engineers, data scientists, industry experts, and governmental agencies, making it a perfect fit for members interested in working at the forefront of technology to tackle societal-scale challenges.

As we look ahead to future editions, we invite feedback from IEEE Switzerland members who are interested in joining next year's hackathon or contributing ideas for a potential IEEE-led challenge. Your involvement can help shape innovative solutions that contribute to a sustainable, technology-driven future.