

Switzerland Section

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List the activities carried out to foster relations with Industry and the results obtained. List the initiatives planned during the next 6 months and their expected outcomes. How can the Region help your Section in your industry-related activities?

1. Switzerland-Taiwan Medtech Leader's Forum (22.11.2019)

Following the successful biotech leader's forum in Taipei last year, ETBA has hosted this year the Switzerland-Taiwan Medtech Leader's Forum in Basel to facilitate the business collaboration between Taiwan and Switzerland. With a special focus on Medtech companies, this half-day meeting started with two inspiring keynote speakers Dr. Brian Chen and Mr. Jörg Baumann who gave an overview of the local landscape, in both Taiwan and Switzerland, before moving to more focused presentations which covered the Medical Device Regulation, AI in life science, and business collaboration between these two countries. This event was, above all, a great opportunity to expand business network and develop international business activities between Switzerland and Taiwan.

2. Rapid decarbonisation and its impact on society (07.11.2019, St. Gallen)

IEEE Switzerland investigated the latest positive technological, financial, social and political developments in rapid decarbonisation. The Paris Agreement aims to limit global temperature rises caused by man-made climate change, but many say that the 2C target does not go far enough. Climate efforts need to be much more ambitious to curb temperature rises and limit the impact of carbon emissions on future generations. An emerging area of research is rapid decarbonisation, focused on accelerating efforts beyond the baseline Paris target to limit the temperature rise to 1.5C and so avert climate disaster. In this special one-day event, IEEE Switzerland PES investigated the latest positive technological and political developments and outline concrete steps for rapid decarbonisation. By assembling a range of experts, policy, economic, financial and technical perspectives of rapid decarbonisation were considered and business models that could emerge were investigated.

An example of future event is the following: 1. Vertical integration for mmWave systems: Building a bridge between antennas and AI (10.02.2020, Zurich)

Our Swiss Solid State Circuit Society is pleased to host a seminar from Alberto Valdes-Garcia, currently Manager of the RF Circuits and Systems Group at the IBM T. J. Watson.

List the activities addressed to Students and/or Young Professionals and the results obtained. List the initiatives planned during the next 6 months and their expected outcomes. How can the Region help in your students and YP-related activities?

Our Swiss LMAG organized in 2019 following meetings:

1. IEEE Stamm @ EPFL, last Monday of the month, 5.30-7.00 pm, Building MDE, Palaz Auditorium J64 (jointly organized with EPFL IEEE Student Branch)

- 1) February 25, meeting new Senior Members, 10 attendees
- 2) April 29, Presentation of Drawdown.org John Moorhead and HiLyte Sarl Start-up, 7 attendees
- 3) May 27, Presentation of Droople Sarl, Start-up for water management, 6 attendees
- 4) Oct 28, Follow-up of Reg.8 Valencia Meeting, Presentation of Vice Chair Thomas Hamselmann, 5 attendees
- 5) Nov. 25, Presentation of LF Fritz Caspers, CERN, HF Instrumentation, 6 attendees

2. Joint Italy/Switzerland IEEE Day, 11.30-6pm, Oct.1, 2019, Villa del Grumello, Como ,Italy 27 IEEE members from Italy and Switzerland, 4 guests from Fondazione Alessandro Volta The event is celebrating the 10th anniversary of IEEE Day, the 20th anniversary of the Volta's battery IEEE Milestone and the 60th anniversary of the Italy Section. Strong emphasis on discussion of Young Professionals and Students with participants from both countries.

As future events, we can mention that IEEE Stamm @ EPFL will continue to run every month, with various topics every time. Student Branch at EPFL together with Swiss LMAG are taking care of the preparations.

List the activities carried out to retain and recruit members and the results obtained. List the initiatives planned during the next 6 months and their expected outcomes. How can the Region help in your membership-related activities?

All the activities that we are carrying out contain to a certain degree an aspect of membership retention and recruitment. For example, below is a list of selected recent events.

- 1) English Technical-Writing Workshop (27.11.2019, Horw) The workshop is aimed at proficiency-level writers of technical English.
- 2) Cube Satellite Activities at HSLU (19.12.2019, Horw) Workshop on Cube Satellite Projects with an input talk by Prof. Marcel Joss on "Cube Satellite Activities at HSLU". Input talk by Prof. M. Joss on "Cube Satellite Activities at HSLU". Workshop panel and discussion
- 3) You can't have your planet and eat it! (27.11.2019, Zurich) Public lecture by Henrik Nordborg. Interest was high and the room was limited to 289 persons - complete

As future activities, we can mention that our General Assembly 2020 will take place in Lugano at the Supercomputing Center and already we know that this is a highly sought after place to visit. As in previous year, we have a part of GA which is also open to non-IEEE members. Choosing a desirable location with a competent and attractive program allows us to attract new members and reward our current members. We always envisage interesting technical presentations and workshop that attract both current members and potential future members.

List the activities intended to support chapters, affinity groups, and student branches and the results obtained. List the related initiatives planned during the next 6 months and their expected outcomes. How can the Region help in your support to chapters, affinity groups, and student branches?

We fully support our chapters, affinity groups, student branches and working groups with both funding and mutual sharing of knowledge. Various technical and professional events as well as other social interactions are organized by our Section. We meet physically 5 times per year within ExCom and this is a great opportunity for exchange. In the meantime, we are always in contact by e-mail or phone.

We have selected a recruitment committee that will look for volunteers for positions in ExCom which will soon be vacated. At GA 2020 we plan to advertise for the open positions and call for other potential interested volunteers.

Challenges (with a focus on what support is required from Region 8)

Our Chapters have asked for more involvement at the European level, on policies which are close to their particular field of technical expertise.