

Greece 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?

The IEEE Greece Section in cooperation with EIT Digital and Foundation organized the Innovation Game Workshop in November 2019. The workshop steers participants through a process of team-based ideation and mock execution, playfully simulating how startup ideas are developed. The startup ideas are - in part - randomly generated with the help of The Digital Innovation Game, and the process of "realization" is informed and loosely guided by the Design Thinking methodology, following the stages of Discovery, Design, and Delivery.

The IEEE Greece Section support to the FOSSCOMM 2019 connected IEEE members with IT industry and Open Innovation. Various companies participated and presented how an IEEE member may be involved in the Open Software and Open Hardware industry.

Our Section will also support, as communication partner, the Robotex Greece 2020 which will be held on the 4th and 5th of April 2020 at the Serafeio Center Athens. Robotex is a festival and competition revolving around robotics which takes place all over the planet, starting out in Estonia to become a worldwide event being held in many countries around the world. In the course of this event there will be robotics competitions, speeches and seminars pertaining to robotics.

Lastly, members of the IEEE Greece Section will provide their scientific knowledge and experience, to support the Utech Lab Hackathon 2020, a student contest organised by The UTech Lab. The UTech Lab, a creative laboratory for young people dedicated to modern technologies, is under the auspices of The Eugenides Foundation and the U.S. Embassy in Athens.

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?

The student and YP activities play a major role in the section's vitality and sustainability. According to the R8 SAC's report at the R8 meeting in Valencia, 80% of the Greek Student Branches submitted their annual plan in 2019. The IEEE Greece Section also received 10 student awards (8 exemplary SBs awards, 1 Darrel Chong Student Activity Award 1 EMB Exemplary Chapter Award) for the continuous efforts and commitment of the students, and the excellent results.

A total of 78 teams, consisted of IEEE students from many greek universities, participated in the IEEE Xtreme, the global challenge in which they competed in a 24-hour time span to solve a set of programming problems. Our winning team scored 118th (out of 2781 teams) in the global ranking. <https://www.ieee.gr/78-teams-from-greece-participated-at-ieeee-xtreme/>

The IEEE Hellenic Power and Energy Society Awards Ceremony, 19th POWERED 2019 (19th Workshop on Power Engineering Dissertations), was held at the A2 Amphitheater of the Department of Electrical and Computer Engineering, Democritus University of Thrace in Xanthi on Sunday 10 November 2019.

A significant part of the research activity in Greek Polytechnic Universities is carried out through the students' thesis (one semester project in the 5th year of studies). This thesis is considered to be the first organized attempt of senior engineering students to face research or applied problems. The objectives of the workshop were:

- 1) Presentation of the research activity carried out in the Greek Universities in the field of Electric Power to the Greek Scientific Community and Industry.
- 2) Informing the Academic Community of the research activities of its members.
- 3) Provide a forum for Greek Engineers to meet IEEE, the largest International Organization of Electrical and Electronic Engineers, and especially its local departments. In February 2020, Eszter Lukács, Client Services Manager for IEEE Xplore Digital Library, will organise in cooperation with Greek HEAL-Link library consortium an event entitled 'How to get published in IEEE' at four Greek Universities. The event will cover various topics such as the insider tips for using IEEE Xplore, the basic structure of a scientific article and the possibilities to publish open access articles in IEEE journals. The event is meant mainly for master and PhD students, researchers and librarians.

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?

Following the 2019 Outstanding Section Membership Retention Performance Award, Greece section focuses its efforts to retain and recruit new members by organising sectional events that aim at bringing our members together and promoting collaborations.

In October 2019 a lecture about "Positron Emission Tomography" was given by Dr. Nicolas (Nikolaos) A. Karakatsanis, a graduate of Electrical and Computer Engineering, National Technical University of Athens and Assistant Professor in Biomedical Engineering at the Department of Radiology at Weill Cornell Medicine, Cornell University in New York. The main topic of the lecture was "Quantitative and cost-effective Positron Emission Tomography: towards multi-parametric molecular imaging and utilization of sparsely-distributed detectors configurations". The event was organized by IEEE Greece Section in cooperation with IEEE NTUA EMB Chapter and IEEE NTUA Student Branch and the Biomedical Simulations and Imaging (BioSim) Laboratory of the School of Electrical and Computer Engineering.

In November 2019, the 5th Hellenic Student and Young Professional Congress was successfully held in Xanthi, Greece in the IEEE Democritus University of Thrace Student Branch with the participation of 120 IEEE Members including R8 and Sectional Representatives. The IEEE HSYP (Hellenic Student and Young Professional) Congress is the meeting of all the IEEE Student Branches of Greece and Cyprus and one of the most important initiatives of the IEEE Greece Section. During the Congress, which takes place in Greece or Cyprus, all the Student Branches present their activities. The participants meet each other, share innovative ideas and gather experience and memories <https://region8today.ieeer8.org/volunteer-news/the-5th-edition-of-the-hellenic-student-and-young-professionals-congress/>

As far as the R8 upcoming student congress is concerned, the IEEE Greece Section will support the participation of Greek students.

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?

The IEEE Greece Section has appointed new officers for the positions of Awards and Recognition, Professional Activities, Industry Relations, Membership Development and Educational Activities. We are very glad to announce that the IEEE Greece Women in Engineering Affinity Group was created and held two meetings in the first month of its activation. Additionally, The Control Systems Chapter and the Computational Intelligence Chapter were re-activated through new petitions. <https://www.ieee.gr/chapters-re-activation/>

As it was stated in the last report, with the continuous support of Region 8 officers, elections for Greece Chapters/Joint Chapters/ Affinity Groups are being held and expected to be completed in February 2020.

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

One of the challenges IEEE Greece Section faces, is the crucial need for engaging more members of the IEEE Greece Technical Chapters and Affinity Groups. Recently, the nomination period for the Chair position of all chapters and AGs (14 in total) expired, with only one candidate for each position (in 10 Chapters/AGs) and two candidates for each position (in 4 chapters/AGs). The new chairs will put their efforts in revitalising the corresponding chapters/AGs and will proceed to elections for the other officer positions, depending on the expressed level of interest by the members of the chapter/AG.

