Section Name: Spain

Section Vitality

Please provide information about the date of last Section elections, date of next elections, and do you have the practice of Vice-Chair becoming the next Section Chair. Section ExCom meetings (list them and provide brief summary if appropriate). List the activities carried out to retain and recruit members and the results obtained.

The last Section elections were before end of 2020 and it is proposed to open a new one before end of 2021. During this period, there were ExCom and BoD meetings. Apart of the regular matters related to Section management, the persistent objective was how to adapt the Section to the new normality as consequence of worldwide situation with COVID. Regarding memberships, the Section worked in reports to promote the recruitment of new members. Also the goal was the ability to disseminate the visibility of the members. It was improved the number of online activities to maintain the Section vitality and consequently retain and recruit members. The Section promoted (and promotes) the Industry relations, to stimulate work of our members for Industry, i.e., to add value to their membership. There were also activities of support to the membership elevation. The Section promoted the Senior Member promotion, assisting to our member candidates with the application form and putting them in contact with the references. Same process with promotion to Fellow. Till date of this report, the success of presented candidatures to Senior Member was higher to 90%. For Fellow, we don't have received results already. It was promoted the close collaboration with other areas of our section, to encourage the enrolment of new members, especially students and the promotion of discount for renewal of memberships.

Students

List of Student Branches (SB) in your Section, the newly formed or dissolved SBs, if any since the last meeting reporting (Oct 2020). List the student meetings held and Section activities addressed to Students and Young Professionals.

There were training activities for Student Branches (SBs), mostly on line. The SWYP 2021 (Student, Women and YP National Congress) was prepared to be held on line. According to the new normality and results in last edition (on line also), the activities have been configured with the objective of online interaction among participants from different SBs at Spain Section. Apart of the annual award for best SB, the Section promoted the 1st edition of Award "Best Counselor". The result was a success and edition 2021 is in progress. The Section also made a survey to the SBs to get opinions of enrichment, collaborative projects between SBs and virtual meetings via discord. To date of this report, the SSR renewal process of the Section and of the SB Counselors have also started. Regarding activities of Young Professionals (YP), the Section promoted (and promotes) IEEE through our SBs in different Universities in Spain. During the last edition of IEEE Day, YP participated in round tables related with Doctorates (academia and industry mention respectively) and in the centenary anniversary of Telecommunication Engineering in Spain. Also YP participated at last edition of SWYP and they will do in current edition to be held online on march 2021. To date of this report, YP area is working in a workshop related with Agile and SCRUM methodologies, promoting attendance (online if not on site) of students and YP to flagship international conferences like IEEE Globecom 2021 to be held in Madrid.

List of Student Branches (SB) in your Section, the newly formed or dissolved SBs, if any since the last meeting reporting (Oct 2020):

The current list of SBs is:

IEEE SB UV (Valencia)

IEEE SB UNED

IEEE SB UMA (Malaga)

IEEE SB UMH (Elche)

IEEE SB UGR (Granada)

IEEE SB UA (Alicante)

IEEE SB Madrid

IEEE SB UVigo

IEEE SB UPC (Barcelona)

IEEE SB UNIZAR (Zaragoza)

IEEE SB UNIOVI (Oviedo)

IEEE SB Cartagena

IEEE SB US (Sevilla)

There has been no change since last reporting.

Affinity Groups

List of Affinity Groups (YP, LM, WiE, SIGHT, etc.), list of SB AGs, newly formed or dissolved AGs/SB AGs, if any since the last meeting reporting (Oct 2020). List the activities intended to support affinity groups.

The section promoted (and promotes) the relationship between Affinity Groups (AGs) and collaboration through organizing common accomplishments. About YP AG, the activities were introduced before. Life Member (LM) AG organized with History section area a round table related about the centenary anniversary of Telecommunication Engineering in Spain. Both groups bring together the History and Milestones by creating a synergic cooperation core among them to promote joint activities or to expand emerging activities in one area to other ones. To this end, LM AG promoted activities jointly coordinated with the History section, mainly oriented to the dissemination of the history of the IEEE related technologies and to the promotion of the IEEE Spain Section. They continue exploring the cooperation with the IEEE R8 to include the history of the IEEE Spain Section into the IEEE Engineering and Technology History Wiki (ETHW) and into the IEEE R8 History Book. Till date of this report, Life Member AG and History section area continue exploring the viability of starting a series of Oral Histories in key technological events "*made in Spain*", told in words of actors who were directly involved in them. Secondly, the SIGHT AG promoted meetings with University of Oviedo (Spain) and NGOs (Non-Governmental Organizations) to participate in the call of the Spanish Agency for Cooperation Development International, for a prototype project portable solar powered water pump in Mozambique. SIGHT AG also promoted meetings with Asociación Sociocultural Alianza Hispano-Senegalese (DEGGO) and the University of Dakar (Senegal) for the application of ITC. Till date of this report, SIGHT area has sent application to participate in the call IEEE Humanitarian Activities Committee with the proposal "Improving the security of immigrant training by integrating COVID tracking in the academic support mobile app.". WiE AG participated at events of major visibility like last edition of IEEE Day. Concretely, WiE organized a round table COVID Period Experiences and with speakers (women) from academia and other institutions. In addition, through the Spanish chapter of the IEEE Education Society, it has launched the MOOC "Educational Robotics for all: gender, diversity, and inclusion in STEAM (2nd ed)". The objective is to develop the pedagogy of STEM promoting the inclusion and integration of students and women in particular. The MOOC had the collaboration of other institutions. The section also promoted (and promotes) the presence of women in events organized recently at February 2021, see section Industry. The keynote talk was given by Senior Director of IEEE European Business Operations and the Section included a high quality set of female engineering experts into the event program. Till date of this report, WiE continues the preparation of more initiatives related to visibility and participation of female engineering experts.

Chapters

Highlight some of the activities.

It was held a coordination session for chapter revitalization. The main objectives were improving work group, effort in reporting and improving strategy. In addition, the chapters promoted online activities, mostly webinars. During the last edition of IEEE Day the Spanish chapter PES was recognized with the Award "Best Chapter". The section has started the preparation of a new award 2021 "Distinguished Chapter Member" to recognize major accomplishments of their members.

List of Chapters and SB Chapters in your Section, the newly formed or dissolved Chapters, if any since the last meeting reporting (Oct 2020). Indicate how many have reported on time and received rebate.

The list of chapters is:

IEEE Aerospace and Electronic Systems Society

IEEE Microwaves & Antennas Propagation Society Joint Chapter

IEEE Broadcast Technology Society

IEEE Circuits and systems Society

IEEE Computational Intelligence Society

IEEE Computer Society

IEEE Consumer Electronics Society

IEEE Control Systems and Industry Applications Society Joint Chapter

IEEE Education Society

IEEE Electromagnetic Compatibility Society

IEEE Electron Devices Society

IEEE Geoscience and Remote Sensing Society

IEEE Industrial Electronics Society

IEEE Information Theory Society

IEEE Instrumentation and Measurement Society

IEEE Intelligent Transportation Systems Society

IEEE Magnetics Society

IEEE Oceanic Engineering Society

IEEE Power and Energy Society

IEEE Robotics and Automation Society

IEEE Systems, Man, and Cybernetics Society

IEEE Communications Society, Signal Processing Society Joint Chapter

IEEE Vehicular Technology Society

IEEE Technology and Engineering Management Society

There has been no change since last reporting. According to our records, 11 Chapters have reported on time and received rebate.

Industry

List the activities carried out to foster relations with Industry and the results obtained.

On February 25th, 2021, the section organized the event Artificial Intelligence, current challenges. It was organized in conjunction with CEA, a Spanish scientific association that promotes the development of automation, including, among others, aspects related to artificial intelligence. It was held online and there were high quality speakers from industry, government, public institutions, IEEE, CEA and academia. The event was followed online by more of two hundred people coming from industry, public and private institutions. What is more, the panels and round tables received high interaction between the speakers and questions from audience.

Activities since the last report

Highlight some of the activities in your Section, with special attention to the things that work well, and things that don't, so that your acquired know-how can be used by other Sections.

On February 2021, the Section organized the event Artificial Intelligence, current challenges. See section Industry for further details. On January 2021, the Section also participated in a series of webinars on IoT and new educational frontiers. This activity had the collaboration of other institutions.

Planned activities

Highlight some of the future activities and initiatives in your Section.

Promoting the Section vitality and strategic plan with the constant objective to retain and recruit members.

How Region 8 can be of help to your Section, members, and activities

List any challenges you Section is facing and what support is required from the Region 8. Please, also, give us your suggestions for agenda items that you want to be discussed during the R8 Committee meeting.

Promoting the relationship between industry and academia and collaboration between these groups through organizing common events. As Region 8 is the largest region IEEE, it would be of help by attracting participation of well-known experts.

Any other issues of interest