

Algeria Section

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Section Vitality

The last section election was in December 2023; the next election will be in December 2025. Up to date the practice of having the Vice-Chair becoming the next Section Chair is not applied.

The meetings, which were held during the period from March 2024 to October 2024 are listed as follows:

1. A meeting of the office was held on May 2024 at the university of Setif. During this meeting the activities of the section during the remaining period of the year were discussed and schedules.
2. A virtual Technical Activity IEEE Algeria Section 2023 was organized as a webinar. This webinar was dedicated to for the main topic of how to organize and IEEE International conference. Many issues related to the preparation of the conference, the preparation of the IEEE-MCE application, and how to handle the different phases in organizing of a conference until final publication of the conference proceeding.
3. The organization of the IEEE-Day among the current student branches of the section.

The activities carried out to retain and recruit members:

Indeed, the section keep the same objectives for ensuring the retention and the recruitment of new members, especially student members in the different universities of the country. Among the tools that the section is using to reach such goals are as follows but not limited:

1. Encouraging the educational and technical activities where many webinars have been organized;
2. Encouraging the Student branches of organizing activities, as we are convinced that the future of the section will be within the hands of young people and students, who will be the real power of the section. Indeed, a new student branch is intended to be formed next November in the west region of the country at the university of technology of Oran.
3. Participations at the conferences, which are technical sponsored by the section. The main aim of these participations is to allow presenting the section and its main objectives and goals to a large community. Indeed, the IEEE Algeria Section was a technical sponsor and a financial sponsor in many international conferences. For all of these conference the IEEE Algeria section participated with at least one officer's representative and student branch representative where the students organized many activities and awareness workshops to attract more students.
4. Participation to Humanitarian activities where some activities related helping people in needs and visiting some remote places to help the people who are leaving in that area. Indeed, based on these activities it was proposed to the section to organize special visits to these remote places to help people using renewables energy facilities.
5. Organization of workshops related to specific topics, especially within some universities in the country;
6. Organization of schools and special lectures of high quality, especially for master students and PhD students.
7. Scheduling of visiting led by the members of the ExCom within the whole universities and the colleges of the countries to introduce the section and its main objective and goals.

Students

The list of the active Student Branches in the Section are:

1. Student Branch of Boumerdes (University of Boumerdes (STB16261)
The main activity organized by this ST:
 - Activity1:
Title: IEEEEDUINO BootCamp 3rd Edition
Description: The IEEEEDUINO BootCamp is a beginner-friendly workshop that introduces participants to Arduino, a platform for creating digital devices and interactive objects. The session covers the basics of Arduino and coding, equipping participants with the knowledge to start their own Arduino projects.
 - Activity 5 :
Title: Codius Bootcamp
Description: The Codius Bootcamp is an extensive series of software workshops designed to take your coding journey to new heights. The bootcamp is divided into the following workshops:
2. Student Branch of Ecole Nationale Polytechnique.
 - Activity 1:
The IEEE student branch of the National Polytechnic School of Algiers organized a two-day seminar course on 'Robotics' covering the following themes:
 - ✓ Robotics for the development of lower limb rehabilitation solutions.
 - ✓ Assistive walking exoskeletons

- ✓ Humanoids These topics was introduced and explained by three experts, Mohamed Bouri (EPFL, Switzerland), Samer Mohammad (Univ. Paris Créteil, France), and Ahmed Chemori (LIRMM, France).

The seminar aims to be inspiring and educational, enabling our students to project themselves and innovate in turn to develop the solutions of tomorrow.

- Activity 2:
SynapseON is a Datathon aimed at bringing together Data Science enthusiasts and challenging them to solve real-world problems. In this Datathon the participants have 48 hours to submit their solutions.
- Activity 3:
IEEEFar, orchestrated by the IEEE ENP Student Branch, celebrates the sanctity of the Holy Month of Ramadan, fostering unity and camaraderie among its members. This gathering radiates with joy and embraces a spirit of wholesomeness, uniting students in a memorable communal experience.
- Activity 4:
This training program is designed to teach the concepts, techniques, and applications of machine learning. The workshop is scheduled for the **14th of March, (online)** and consists of a series of sessions to start with Machine Learning followed by hands-on projects.

3. Student Branch of Djelfa University.

- Volunteering at International conference: In order to open up the Algeria section to its external environment, members of the IEEE student branch, and IEEE student chapter participated as volunteers in the international conference which was held in university of Setif and was technically sponsored by the IEEE Algeria Section.
- First SB's Executive Committee Meeting This was the first official meeting for the newly elected executive board. During this meeting we got to introduce the attendees' members and no members to each other, discuss the upcoming events and potential collaborations and our future goals for this new mandate. This meeting was held on physically.

Affinity Groups

Algeria Section have currently two Affinity Groups:

1. Algeria section Affinity Group, YP.
2. SIGHT198 - Algeria Section SIGHT
3. LGR80120ST - Algeria Section SIGHT Group

Chapters

List of Chapters in Algeria Section:

1. Algeria Chapter EMC27
2. Algeria Chapter PE31
3. Algeria chapter GRS29
4. Algeria Chapter PEL35
5. Algeria Section Chapter,SSC37
6. Algeria Section Chapter,VT06
7. Algeria Section Chapter,SEN39
8. Algeria Section Chapter,ED15
9. CH08519 - Algeria Section Chapter,PHO36

List of joint Chapters in Algeria Section:

1. Algeria Joint Chapter IE13/IA34

List of Chapters in Algeria Section newly formed:

1. CH08142 - Algeria Section Chapter,CAS04

Industry

The Algeria Section has recently initiated efforts to strengthen networking with industries. One of the main objectives for this year is to build a robust network across the country with various industry partners. This network will provide valuable opportunities for internships and practical training, especially for master's and PhD students within the section. Currently, our industry membership is limited; however, recruiting new members from the industrial sector is a key priority. This will facilitate collaboration between student branches and the industry for internships and other opportunities.

Planned activities

The main future activities in Algeria Section for the coming period are following the same roadmap designed for the last first semester of the year which are summarized below:

- Foster active engagement of Student Branches in attracting new members through innovative activities
- Creating new student branches.
- Promote the formation of student branches within chapters.
- Encourage existing members to establish new chapters within their respective majors, with a focus on member recruitment.
- Initiate new projects leveraging existing opportunities, such as SIGHT and EPICs.
- Advocate for student branch participation in IEEE Smart Village (ISV) offerings.
- Technical participation in conferences held in Algeria.
- Financial support for conferences organized within Algeria.
- Coordinate Master and PhD student schools during various breaks throughout the year.
- Strengthen visibility of IEEE Section through increased outreach and publication of its roles and advantages, particularly in universities and colleges.
- Prioritize humanitarian activities, especially in underserved and isolated regions.
- Cultivate robust collaborations and relationships within the sections and chapters of R8.
- Play a pivotal role in Algerian society by leveraging technology for positive impact

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

The role of R8 in enhancing the quality of activities in Algeria Section is important. We can summarize the important among them in the following points:

- Facilitating the office section's alignment with their primary responsibilities.
- Incorporating the Algeria Section seamlessly into the core operations of R8.
- Ensuring the participation of Algeria Section members in various committees across R8.
- Supporting the Algeria Section in fostering extensive collaborations with other sections and chapters within R8.
- Ensure that the Algeria Section stays informed about the latest developments and activities across the entire R8.