Turkey Section Report (Mar. 2023)

Reporting Officer: H. Fatih Uğurdağ (Section Chair)

Section Vitality

The last section elections were held in Dec. 2021. Next section elections will be held in Dec. 2023. We do not have a tradition of Vice-Chair becoming chair.

The ExCom is composed of the section chair, vice-chair, secretary, treasurer, and two members-at-large. We communicate mostly through messaging apps and informal Zoom meetings to improve efficiency. An ExCom meetings were entered on vTools. Their dates are given below followed by the main agenda item:

Feb 16, 2023: IEEE Turkey Earthquake Response Meeting

Feb 18, 2023: IEEE Turkey Earthquake Response Meeting

We held elections for Comsoc and CS chapters.

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We have a total of 1372 members at the moment.

Students

As of Mar 9, we have 560 student and 211 graduate student members amounting to 771 students in Turkey Section. Close to half of our members are students. These students come from 84 Student Branches (STBs). There are also 93 Student Branch Chapters (SBCs) and 29 Student Branch Affinity groups (SBAs). 46 of STBs have submitted their annual plan for 2023:

1. *Abdullah Gul University, STB99385*
2. *Ankara Science University, STB99114*
3. *Ataturk University, STB15138*
4. *Balikesir Universitesi, STB19031*
5. *Baskent University, STB60701*
6. *Bilkent University, STB29941*
7. *Bogazici Univ, STB11181*
8. *Cankaya University, STB63721*
9. *Celal Bayar University, STB10005*
10. *Dogus Universitesi, STB63971*
11. *Dokuz Eylul Univ, STB34991*
12. *Ege Universitesi (Aegean), STB96601*
13. *Erciyes University, STB61891*
14. *Erzincan Binali Yildirim University, 1-84ETV19*
15. *Eskisehir Technical University, STB31741*
16. *Gazi Univ, STB31681*
17. *Gaziantep Univ, STB35941*
18. *Gebze Technical University, STB20141*
19. *Hacettepe Univ, STB11201*
20. *Istanbul Kultur Universitesi, STB06301*
21. *Istanbul Medipol University, STB15159*
22. *Istanbul Technical Univ, STB96101*
23. *Istanbul Univ-Cerrahpasa, STB31691*
24. *Izmir Inst of Tech, STB11221*
25. *Izmir Katip Celebi University, STB03106*
26. *Izmir University of Economics, STB05031*
27. *Kadir Has University, STB62481*
28. *Karadeniz Technical Univ, STB64941*
29. *Kutahya Dumlupinar University, STB63961*

30. *MEF University, STB15137*
31. *Middle East Tech Univ, STB14401*
32. *Middle East Technical University - Northern Cyprus, STB00191*
33. *Mugla Sitki Kocman University, STB20237*
34. *Namik Kemal Universitesi, STB11460*
35. *Ondokuz Mayis University, STB11753*
36. *Ozyegin University, STB08281*
37. *Piri Reis University, STB60064095*
38. *Sabanci University, STB61751*
39. *Sutcu Imam University, STB64951*
40. *T.C. Mehmet Akif Ersoy University, STB10160*
41. *TED University, STB11692*
42. *Trakya University, STB64961*
43. *Uludag Univ, STB31801*
44. *University of Turkish Aeronautical Association, STB13151*
45. *Yeditepe University, STB62491*
46. *Yildiz Technical Univ, STB34921*

Since Sep. 2022, 2 new STBs and 5 new SBCs were formed:

1. *Erzincan Binali Yildirim University, STB60209689*
2. *Piri Reis University, STB60064095*
3. *Dokuz Eylul Univ, PE31*
4. *Dokuz Eylul Univ, PEL35*
5. *Gaziantep Univ, PEL35*
6. *Sutcu Imam University, PEL35*
7. *Uskudar University, C16*

A search on vTools Events since Sep 16, 2022 (the day after the last report due date) yielded 175 events. 129 of these are STB (80) and SBC/SBA (49) events. Below is a list of the last 10 events on vTools:

1. *IEEE Ege University Education Society | Graphic Design Education : Ege Universitesi (Aegean) 29.12.2022 21:00*
2. *AGU Arduino Education 3 : Abdullah Gul University,PEL35   03.01.2023 18:00*
3. *IEEE Ege University Robotics & Automation Society | SolidWorks Workshop : Ege Universitesi (Aegean)   04.01.2023 17:00*
4. *IEEE METU - 3D Printing Webinar with Ulaş Yaman : Middle East Tech Univ   05.01.2023 17:30*
5. *Over the Wall : Abdullah Gul University,PEL35   06.01.2023 18:00*
6. *Robotic Coding Training-II : Gaziantep Univ,PEL35 07.01.2023 15:00*
7. *Robotic Coding Training-III : Gaziantep Univ,PEL35 14.01.2023 15:00*
8. *IEEE METU - EEED Option Days 2023 : Middle East Tech Univ   20.02.2023 12:00*
9. *IEEE Ege University Computer Society | GitHub 101 Workshop : Ege Universitesi (Aegean) 27.02.2023 18:00*
10. *DEU Computer Society 6. Anniversary : Dokuz Eylul Univ, C16   06.03.2023 19:00*

Besides the above events, we would like to list some flagship student events also:

1. *Regional Meetings of IEEE Turkey Student Branches*
2. *CSCAMP'22*
3. *RAS Camp 2022*
4. *EMBCamp'22*

YP Affinity Group

YP organized 23 meetings/events: 3 ExCom/Board meetings, Contribution to 3 SYPs (incl. CEuSYP), 9 Connecting Experts events, 2 IEEE DAY events, 6 other technical events.

SIGHT Affinity Group

SIGHT Turkey is elected a new chair Can Candan. They are working for the earthquale relief.

WIE Affinity Group

- 15-16 Ekim 2022'de IEEE İstanbul Teknik Üniversitesi WIECAMP'22 gerçekleştirdik.

Katılımcı Sayısı: 100+

Konuklar:

- o Öykü Kayaalp – Diversity, Inclusion and Culture Discipline Lead @ Garanti BBVA
- o Meltem Kolday – Lecturer @ Dokuz Eylül University
- o Gümrah Alayoğlu – HR Lab Manager @ Akbank
- o Devrim Danyal – Founder of Blockchain Metaverse Academy
- o İnci Abay Cansabuncu – Founder of GelecektekiSen
- o Begüm Bartık – IT Manager @ Eczacıbaşı İlaç Pazarlama

- 16/12/2002 Global Webinar
  Konuklar:
  - Sally Musonye - Women in Power East Africa Representative - IEEE PES, Women in Engineering Lead - IEEE Africa Council, IEEE Region 8 SAC-WIE Corresponding Member
  - Valery Chebet – WIE Chair @ IEEE Kenyatta University Student Branch

SBAs

We have 24 Student Branch Affinity groups (SBAs). 5 SBAs were dissolved.

Chapters

We have in total 14 chapters. COMSOC and CS chapters organized their respective MS Thesis Competitions again. Besides CS (52 events/meetings including student events), COMSOC, AP/ED/MTT/EMC joint chapter, AP, and AES chapters were quite active. COMSOC organized the 4th IEEE Turkey ComSoc Summit. AES organized 4 interviews with industry executives.

We held elections for one chapter.

Comsoc:

MSc THESIS AWARDS CEREMONY

The ceremony started with ComSoc Turkey Chair Tuncer Baykas giving an opening speech. After that, ComSoc TRSB Student Representative Mertcan Kuzan talked about the events and conferences held by the ComSoc student branches. After his presentation, Dr. Elif Ustundag, a Master Researcher at Ericsson Research gave a presentation about 6G technologies. There was a short ten-minute break after this presentation. Afterward, Ku-

bra Duran presented her thesis, "A Cognitive Lifecycle Methodology for IP Address Management in Next Generation Core Networks", which earned her first place in the 'Theoric Theses' category. After her presentation, Tuncer Baykas presented Kubra Duran with her award.

After another ten-minute break, Kursat Tekbiyik, who earned first place in the "Application Based Theses' category presented his thesis 'Modeling and Characterization of A Propagation Channel for Terahertz Wireless Communications". After this presentation, Tuncer Baykas presented Mr. Tekbiyik with his award. After the winners of the two categories were given their awards and certificates, special achievement awards and other achievement awards were handed out to each winner, however since Merve Turhan could not personally attend the ceremony, Semnur Gulmez received her special achievement award on behalf of Merve Turhan. Another winner of a special achievement award, Talip Tolga Sari, also wasn't present during the ceremony so Kubra Duran received the award in his stead. Another winner of the special achievement awards was Burak Ozpoyraz was also unfortunately not at the ceremony, so he will personally receive his award at a later date. The last winner of the special achievement award, Gokberk Yaylali also received his award during this ceremony. After achievement award winners Mehmet Ali Aygul, Mert Ilguy, and Kerim Gokaslan all received their awards, there was a 30-minute networking session. And lastly, Mustafa Alper Akkas made a presentation on "Communication Beyond 6G and Terahertz" during the last session of the ceremony.

6th ComSoc Education Camp

The 6th IEEE Turkey ComSoc Education Camp was held on December 10-11 and hosted by Tekirdag Namik Kemal University. The first day of the camp began with opening speeches by IEEE Turkey ComSoc Student Representative Murat BALCI, TNKU IEEE Student Branch President Ali Furkan KANTURK, and TNKU IEEE ComSoc President Mustafa NIGDE. And then, brief information was given about the contents of the following sessions.

The first session began after the opening break. In this session, Associate Professor Dr. Ertugrul BASAR, who works at Koc University and is also an IEEE Fellow, was hosted. This session, in which Wireless Communication and 5G Technology were discussed, progressed in a question-and-answer format. The first session ended after discussing being an IEEE Fellow.

The second session of the day was the training on IoT given by Nabi HACIGAFFAROGLU, a Systems Engineer at CommScope. In this training, he talked about a few topics such as "What is IoT?", "What are IoT Communication Protocols?", "What is Mesh Networks?", "What are Zigbee, LoRaWAN, and Bluetooth Protocols and their similarities and differences?." Then, the second session ended with questions from the participants.

After lunch, Prof. Dr. Serhan YARKAN, the Professional Development and Educational Activities Coordinator of IEEE Turkey gave a presentation where he talked about the Professional Development and Educational Activities in IEEE Turkey. The session continued with a Q&A section after Dr. Yarkan's presentation.

The final session of the day, the icebreaker session, started immediately after the Q&A session. Interactive activities and quizzes during this session helped students who are new to the IEEE better understand the structure of the community. The first day of the IEEE Turkey ComSoc Training Camp concluded after this session.

The second day started with the networking session where participants were able to connect with the speakers. The first session of the second day ended with an interactive section with a Q&A and icebreaker games. The second session was a presentation by Oguz ULGEN, who works as a 5G & Open RAN Expert at Umlaut Company, where he tackled topics such as "What is 5G?", "being an engineer abroad", "What are the differences in communication technologies between countries?", "What is the next step of 5G technology and what kind of work is being done?". The second session of the day ended with a Q&A. Then, Murat BALCI, IEEE Turkey ComSoc Student Representative, held a session with the ComSoc chairs of the Student Branches participating in the program. In this session, plans were made for the rest of the year and longer-term ComSoc events.

Can Baran Morkoc's RPA training was the next session. Mr. Morkoc addressed topics like "What is RPA?," "How to employ RPA?," and "Which subsystems can we use while working with RPA?" He also provided hypothetical instances of situations in which we may use RPA programs. After this session, the last session of the day and the event, the mentors' session, began. In this session, Murat BALCI, who is the current representative, moderated an interview with the previous IEEE Turkey ComSoc Student Representatives Can Baran

MORKOC, Irem KUZGUNKAYA, Omer Faruk KARAKUS ve Mertcan KUZAN, where they talked about their experiences and memories as representatives. The session continued with students asking questions to former representatives.

After the mentors' session, IEEE ComSoc Turkey President Tuncer BAYKAS answered the questions asked by the students about the engineering industry and the inner workings of IEEE in a short Q&A. The event ended with Tuncer BAYKAS' closing speech

Planned Activities

We will have a face-to-face ceremony for **IEEE Turkey Science and Service Awards**. The awards are:

- Doctoral thesis awards (usually 5 of them are awarded)
- Research incentive award (usually 3 of them are awarded)
- Exceptional service award (only 1 awarded)
- Life-long achievement award (only 1 awarded)

We have had these awards since 2017. The award committees include IEEE fellows and other professors from Turkey and abroad. We hope to continue this tradition for many years to come. We also hope to continue organizing TUAC and CSCON every year. Our YP AG also has planned activities.

How Region 8 can be of help to your Section, Members, and Activities

Region 8 is great. Just keep it up.

Any Other Issues of Interest

N/A.