**Iran Section** **Vahid Ahmadi**

# IEEE Iran Section Report

**March 2021**

# Table of Contents

**I. Section Vitality ..... 3**
**II. Students ..... 4**
**III. Affinity Groups ..... 4**
**IV. Chapters ..... 4**
**V. Industry ..... 5**
**VI. Activities since the last report ..... 5**
**VII. Planned activities ..... 6**
**VIII. How Region 8 can be of help to your Section, members, and activities ..... 6**
**IX. The 11th IEEE Iran Section Awards Ceremony Executive Team ..... 7**
**X. The 11th IEEE Iran Section Awards Ceremony ..... 8**
**XI. Pictures ..... 10**

- **Section Vitality**

Members of Nominating Committee (NC) were proposed and approved at the ExCom meeting which are as following (Picture 1 shows the NC members):

- Prof. Jalil Rashed Mohasel (University of Tehran)
- Prof. Hamid Soltanian Zadeh (University of Tehran)
- Prof. Mahmoud Shahabadi (University of Tehran)
- Prof. Ahmadreza Sharafat (Tarbiat Modares University)
- Prof. Javad Salehi (Sharif University of Technology)
- Prof. Abdolali Abdipour (Amirkabir University of Technology)
- Prof. Reza Faraji Dana (University of Tehran)
- Prof. Mahmoud Fotuhi (Sharif University of Technology)

NC has set the conditions of candidacy and important dates on Tuesday, June 30, 2020 meeting. Each candidate must fill out the nomination form provided by the Iran Section along with a short biography by Thursday, October 1, 2020. Nomination announcement was done through newsletter, website, LinkedIn, and social networks. The following are the names of the eligible candidates which approved on Tuesday, October 6, 2020, NC meeting.

For chair and vice-chair (Alphabetic order):

- Prof. Vahid Ahmadi (Tarbiat Modares University)
- Prof. Hossein Askarian Abyaneh (Amirkabir University of Technology)
- Dr. Eslam Nazemi (Shahid Beheshti University)

For secretary (Alphabetic order):

- Dr. Maryam Tayefeh Mahmoudi (Iran Telecommunication Research Center)
- Dr. Vahid Nayery (Iran University of Science and Technology)

For Treasurer:

Since Dr. Mohammadreza Yousefi (Islamic Azad University Najafabad Branch) was the only candidate, the NC confirmed him as section treasurer due to the absence of a rival.

Voting started on Thursday, November 12, 2020, and continued until the end of office hours on Monday, November 30, 2020. We used vTools as our voting platform. The voting process and the result of the elections were reviewed and approved at the meeting of the NC on Tuesday, December 1, 2020. Final results and provided status are based on vTools as shown in Picture 2.

According to the received IEEE database in November, 603 members (with M, GSM, and above) were eligible for voting which 31% cast their ballots. The result of the voting from the total number of votes cast for the chair and vice-chair positions is as follows:

| Name | Votes | Percent |
|---|---|---|
| Prof. Vahid Ahmadi | 125 | 44% |
| Prof. Hossein Askarian Abyaneh | 123 | 43.3% |
| Dr. Eslam Nazemi | 36 | 12.6% |

The result of the voting from the total number of votes cast for the Secretary position is:

| Name | Votes | Percent |
|---|---|---|
| Dr. Maryam Tayefeh Mahmoudi | 120 | 71.8% |
| Dr. Vahid Nayery | 47 | 21.8% |

Thus, NC approved the voting process and announced the composition of the Executive Committee for the years 2021-2022 as follows:

| Name | Position |
|---|---|
| Prof. Vahid Ahmadi | Chair |
| Prof. Hossein Askarian Abyaneh | Vice-Chair |
| Dr. Maryam Tayefeh Mahmoudi | Secretary |
| Dr. Mohammadreza Yousefi | Treasurer |

Iran Section holds meetings at the end of each month (see Picture 3). Since the last report, four meetings were held focusing on elections, introducing new officers, reviewing awards bylaw, transfer necessary items from the previous ExCom to the new ExCom, reviewing the section strategic and leadership plan, reviewing financial issues, and so on.

We are trying to increase local benefits to recruit and retain members:

1) One way is MOU or contracts with different businesses so members can get various services e.g., traveling, dining, sport-complexes, especial courses and so on.
2) Also, we have members with good potentials and working skills along with a great team working spirit. Therefore, we asked them to be our local ambassadors and mentor those who are interested to be a member of IEEE or becoming a volunteer.

On the other hand, we are facing some issues:

1) Membership dues are very high for our members due to local currency Rial devaluation against the other currencies. As already mentioned, R8 can convince the headquarters to change dues based on our local currency so that membership becomes easier.
2) Some general benefits are not including our recruiters and they cannot take benefit from the MGM program. There is a severe need for the support of R8 in convincing headquarters to exclude our country from the MGM program.

- **Students**
  - Currently, we have 58 Student Branches (SB) which some of them are very active. In order to develop this network, we conducted two annual meetings. These well help SB and YP gather together which consequences of improving their connections with each other, new collaborations, discuss new ideas or issues, meeting in person with Iran Section ExCom to discuss challenges and provide them new packages.
  - We have conducted 11th IEEE Iran Section Awards Ceremony which this year was held virtually. This meeting is very important due to the gathering of the whole section and beyond. This time, the ceremony was outstanding. The reason was the presence of Prof. Vincenzo Piuri, 2021-2022 IEEE Region 8 Director-Elect, electrical and electronics prestigious professors from all over Iran, industry entrepreneurs and deans, counselors, and student branches. Also, about 350 online individuals have participated in this tremendous event. The full report of this ceremony is given in the final section
  - We have conducted counselors and students' meetings to be in touch with our SB. Thus, they can discuss issues and get help for improving their activities.
  - Introducing YP in annual meetings and highlight its activities so that any new member gets more familiar with YP.
  - YP conducted 10 webinars with top industry-academia individuals to introduce new trends in sciences, improve the soft skills of students, and so on. As well as, collaborating with other Section Committees to conduct talks and webinars.
  - We have formed a very active team from students and YP as Executive Team of Iran Section Webinars. This team is responsible for helping any sector of the Section to conducts talks and webinars. The result of this team is well performed of about 30 events so far.
  - We have started the sister branches program with Turkey Section by connecting our active SB with Turkey Section's SB. So far a couple of meetings held by SB of both sides and they have planned initiatives toward collaborating more with each other.
  - Conducting several events by our highly experienced members of industry-academia to give road maps in a professional career or improve soft skills.

- **Affinity Groups**

All Affinity Groups of Iran Section allocated with annual budgets so they can take benefit from it to support their activities. Also, they can have their special financial account for any supplementary activities e.g. getting sponsorships, dues from various events, etc.

We are planning for establishing SB AGs by following steps:

1) Introducing and giving details about how to form SB AGs to our student branches
2) Organizing the process of SB AGs establishment
3) Giving them basic road maps through meetings or other packages

As we have some student branches which are collaborating with our Affinity Groups so we expect good results from these actions.

- **Chapters**

We have 6 active Technical Chapters as following:

1) Communications and Information Theory Joint Chapter
2) Control Systems Joint Chapter
3) Electromagnetics and Photonics Joint Chapter

4) Power Joint Chapter
5) Electronics Joint Chapter
6) Computer Society

Each of these chapters has its steering committee. Also, they collaborate with each other for meetings and conducting different events. All of the Chapters have reported their activities and performances on time. All Chapters are allocated with budgets and can have their special financial account same as Affinity Groups.

Activities done by Technical Chapters:

- Establishment of:
  - Computer Society
  - Electronics Chapter
- Holding joint meetings
- Collaborate with Iran Section Industrial Relations Committee and presenting White Paper in the Telecommunications Industry entitled "Investment and Entrepreneurship Opportunities in the Communications and Information Technology Industry".
- Presenting White Paper in the Electricity Industry
- MOU with industry-academia for different aspects e.g. sponsorships, conducting events, etc.
- Conducting technical talks and webinars on trend topics.
- Election of Chapters' new term

Computer Society started a program in order to form SB Chapters. It is the pioneer of this action between Chapters. First, we sent invitation letters to 50 computer engineering/sciences faculties. We are inviting computer faculties to join CS and so far, some of them showed interest. Thus, we provide them the required forms and manage the process of SB Chapter establishment. We expect the CS network to grow and start new initiatives with top universities.

- **Industry**

Our industry relations increased significantly and awareness of the industry is created correctly and completely in the members and beyond. The reason is the organization of our Industrial Relations Committee (IRC). It is formed of highly experienced industry people which are well known and have deep knowledge in their professional career. The current chair of IEEE Iran Section IRC is a successful CEO of a large telecommunication company with 40 years of experience in the industry. He knows the telecom industry in Iran very well and he is in the BOD of the Iranian Telecommunication Industries Syndicate. He participates in most meetings of Chapters and AGs to increase interactions/collaborations or discuss, give solutions to issues, support their needs in the industry sector, and so on.

Activities to foster relations with Industry:

- Presenting of white paper on methods for developing TRL-MRL in the telecommunications industry entitled "Investment and Entrepreneurship Opportunities in the Communications and Information Technology Industry".
- Supporting and funding student visits and trips.
- Held 22 up-to-date educational workshops and discussion panels to introduce IEEE and Iran Section in Iran Telecom Plus (20th International Exhibitions of Telecommunications, Information Technology, and Innovative CIT Solutions).
- Inviting successful entrepreneurs for specialized panels and lectures in IEEE Iran Section annual meetings and sponsored conferences.
- Preparation and compilation of two by-laws for two awards in the field of the industry:
  - Top Entrepreneur Award
  - Veteran Engineer Award
- Lunching Jobsite: a place for job opportunities, https://jobsite.ieee.org.ir/.
- Supporting student internships.
- Supporting and funding student visits and trips.
- Holding online events like webinars in technical and soft skills
- Introducing IEEE Iran Section in leading magazines in the industry. This will make the industry more familiar with IEEE.

- **Activities since the last report**

We have done the following:

- As we are on the 50th anniversary of the IEEE Iran Section, a group was formed to complete the history of the section to create a comprehensive document about it.
- Design and development of Digital Certification System. It is a unique system in the country and beyond which provides ways of certificate authentication based on serial numbers and QR Codes. Therefore, any certificate is valid and traceable through any social network like LinkedIn. Picture 4. shows the panel and the issued certificate from

this valuable system. A subcommittee of experts from the Professional Activities Committee is responsible for IEEE Iran Section Digital Certificate System.

- Implement a plan to allocate deputies to committees

- Interact with the Turkey, UAE, and Oman Sections
- Establishment of Public Relations Committee
- Budget payment of student branches at the beginning of the year and a proportional annual increase
- Sister branches with Turkey Section
- Online meetings with counselors to receive feedbacks and discuss issues
- Meeting for the 2019-2020 ExCom Appreciation and Introducing 2021-2022 ExCom (see picture 5)

- **Planned activities**

Our future planned activities are as following:

- Promotion of activities in international cooperation (participation in R8 committees)
    - Communication of the student sector of the Industrial Relations Committee with the R8 committees
- Invite prominent international researchers to introduce their program and activities in person or online
- Holding regional and international events in Iran
- Efforts to develop and promote science and educational centers in the country
- Promote and develop industry relations to increase the growth of technology at the national level
- Cooperation with scientific research institutions
- Develop and promote the level of student activities
- Increasing the number of student branches in the country to expand the student network
- Introducing and promoting national awards in the field of education, research, student branches, and volunteer activities
- Increase IEEE membership
- Preparation of Iran Section strategic plan, action plan, and roadmap
- Development of activities of YPs, WiE, and other Affinity Groups
- Participate in the development of national standards
- Development of Technical Chapters' activities to expand the network of faculty and student members in the country

- **How Region 8 can be of help to your Section, members, and activities**
    - As we already mentioned, the most important challenge that we are facing is membership dues. Our members especially students cannot effort it which causes a decrease in membership statistics. R8 can help us to convince headquarters to set the membership fee based on our local currency.
    - Although most programs like Member-Get-a-Member (MGM) are not available for our members so they can not take benefit from such a program which causes loss of motivation in the members.
    - Considering the great potential available in the region, R8 can help us to include Iran Section members in IEEE programs and have more inter-regional and international collaborations.

- **The 11th IEEE Iran Section Awards Ceremony**

  - **Executive Team**

| Full Name | Affiliation | Email Address |
|---|---|---|
| Mojgan Azizi | ICT Research Institute | m_azizi@itrc.ac.ir |
| Mohammad Ghaderzadeh | K. N. Toosi University of Technology | Ghaderzadeh@ieee.org |
| Abolfazl Qiyasi | Shamsipour Technical and Vocational College | a.qiyasimoghadam@gmail.com |
| Bashir Felegari | Tarbiat Modares University | Bashir.felegari@ieee.org |
| Danesh Amani | Tarbiat Modares University | Amani.danesh@ieee.org |
| Seyed Mustafa Afzouni | Yazd University | smafzouni@gmail.com |
| Mohammad Hasan Azad | K. N. Toosi University of Technology | mhazad1999@gmail.com |
| Amir Hossein Bagheri | K. N. Toosi University of Technology | amirhb.bagheri@gmail.com |
| Mahdi Abbasi | K. N. Toosi University of Technology | mahdiabbasi@ieee.org |
| Mohsen Boroughani | K. N. Toosi University of Technology | mohsenboroughani@yahoo.com |
| Mohammad Amin Ghasemi | Tarbiat Modares University | M.a.ghasemi@ieee.org |
| Maedeh Parivand | Islamic Azad University – Central Tehran Branch | ma.parivand@gmail.com |
| Seyed Amin Atabak | Shahrekord Technical and Vocational University | aminatabak@gmail.com |
| Ehsan Nouri | University of Tehran | ehsan.nouri@ut.ac.ir |

- **The 11th IEEE Iran Section Awards Ceremony**

The award ceremony was held virtually in the Zoom cloud platform with the presence of Prof. Vincenzo Piuri, 2021-2022 IEEE Region 8 Director-Elect, electrical and electronics prestigious professors from all over Iran, industry entrepreneurs, and deans, counselors, and student branches. The ceremony had 480 registrants and 270 unique participants in the Zoom session in addition to more than 50 live Instagram users on the IEEE Iran section Instagram page.

In the beginning, the host welcomed all prestigious guests around the world and started the session officially. IEEE Iran section 2019-2020 board of directors was introduced to the audience by a video clip.

Then **Dr. Hadi Moradi**, IEEE Iran Section chair, was the first presenter. He talked about the Iran Section activities in recent years and reported the most important ones, which are:

- MOU with UK and Ireland Section
- MOU with Turkey Section
    - Sister branches
- Joint webinars with other sections.
    - Oman
    - UAE

**Prof. Vahid Ahmadi** IEEE Iran section vice-chair appreciated Dr. Yazdanian, the ICT Research Institute chair, for all supports and collaborations with IEEE Iran Section. Plaque of appreciation handed over from IEEE Iran Section to Dr. Yazdanian.

Dr. Moradi introduced **Prof. Vincenzo Piuri**, 2021-2022 IEEE Region 8 Director-Elect by mentioning his academic career and invited him to distribute his talk.

**Prof. Piuri** mentioned the great potentials of the IEEE Iran section and its active members whose remarkable work is entirely voluntary for other members' growth.

Prof. Piuri's speech was about the new strategic plan for IEEE region 8 members and how to move forward based on this plan. The strategic plan consists of three actions: Empower and Engage, Be the Trusted Source, and Promote Inclusivity. Taking steps towards these dynamic actions adapts region 8 members better with IEEE. Details of his proposed strategic plan are:

1. Empower and Engage:
    - Identity flexible and sustainable membership models
    - Fees proportional to country average income
    - Personalize membership benefits
    - Human-centric approach
2. Be the Trusted Source
    - High-quality knowledge
    - Nurture technical activities and conferences
    - Podcasts and streaming
    - Emerging technologies
    - Practical knowledge for professionals
3. Promote Inclusivity
    - Underserved groups and geographical areas
    - Soft skills, mentoring services, and entrepreneurship
    - Pervasive support
    - Humanitarian activities
    - Cooperation: S/Cs, Sections, national associations.

It was time to introduce IEEE Iran section awards and a video clip to give specific details about each one was played. Then, IEEE Iran section Awards and Recognition Committee Chair, **Prof. Jawad Faiz**, started to give information about nominees of the 2020 awards. It must be noted that some of the award recipients are dealing with Covid-19 however, they stayed tuned with us from ICU. We wish well-being for all of them.

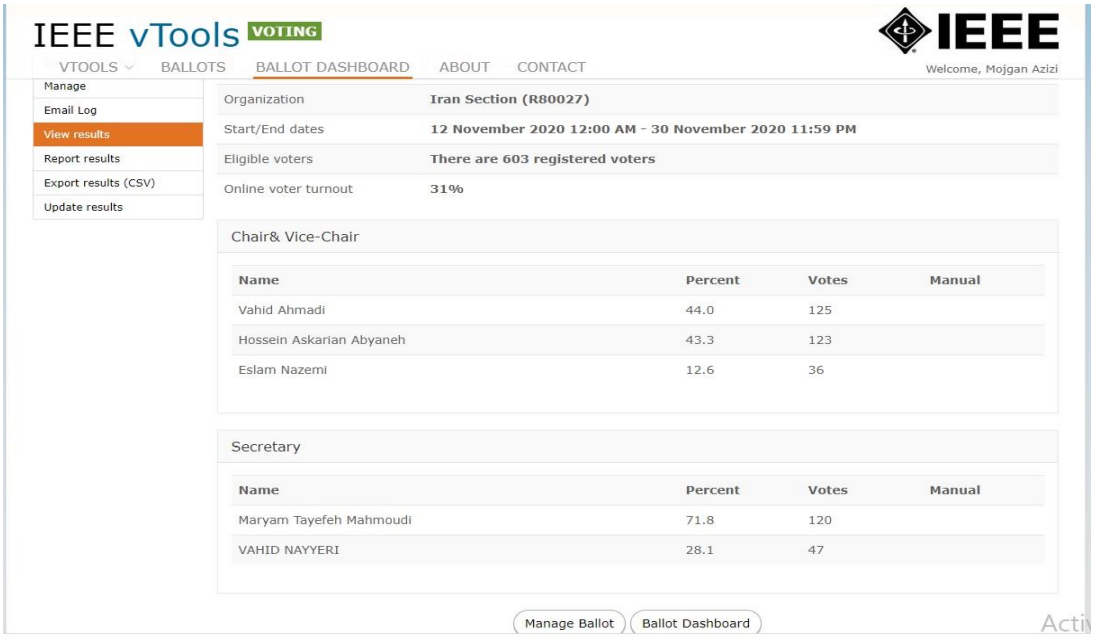
## List of awards, giver, and recipients of them are:

- **Lifetime Teaching Award:** Prof. Mohammad Reza Feyzi from the University of Tabriz, given by Prof. Jawad Faiz
- **Lifetime Research Award:** Prof. Seyed Hossein Hosseini from the University of Tabriz, given by Prof. Ahmadreza Sharafat.
- **Prof. Hakkak Award:** Prof. Abbas Mohammadi from the Amirkabir University of Technology, given by Prof. Hakkak's family.
- **Prof. Jabehdar Award:** Prof. Mahmud Tabandeh from the Sharif University of Technology, given by Prof. Parviz Jabehdar.
- **Prof. Caro Lucas Award:** Prof. Mohammad Teshnehlab from K. N. Toosi University of Technology, given by Prof. Reza Faraji Dana.
- **Prof. Fakhraei Award:** Prof. Reza Lotfi from the University of Mashhad, given by Prof. Mahmud Shahabadi.
- **Industry Veteran Engineer Award:** Eng. Mohammad Ali Chamanian from Nian Electronics, given by Eng. Hossein Riazi.
- **Top Entrepreneurs Award:** Dr. Mohammad Reza Pakravan from the Sharif University of Technology, given by Prof. Hamid Soltanian Zadeh.
- **Outstanding Student Branch Counselor Award:** Dr. Malihe Miri from Saravan Integrated Education, given by Prof. Nosrat Granpayeh.
- Prof. Piuri congratulated winning of this award to Dr. Miri and wished more success for the active counselor. Also, he noted that counselors have an important role in assembling and activating students for volunteer works.
- **Women in Engineering Award:** Eng. Vida Sina from Research Center of Informatics Industry, given by Dr. Maryam Tayefeh Mahmudi
- **Young Researcher Award:** Dr. Reza Davarpanah from the University of Tehran, given by Prof. Mahmud Fotuhi Fiuzabad
- **Best Ph.D. Thesis Award:** Dr. Rezvan Nasiri from the University of Tehran, given by Dr. Alireza Fereidunian.
- **Outstanding Ph.D. Thesis Award:** Dr. Soheila Nazari, Dr.Shiva Hayati Raad, and Dr.Sajad Daei from Amirkabir University of Technology, Tarbiat Modares University, and Iran University of Science and Technology, given by Dr. Alireza Fereidunian.
- **Best M.Sc. Thesis Award:** Sajad Arab Ansari from the Amirkabir University of Technology, given by Dr. Hajar Atrianfar.
- **Outstanding M.Sc. Thesis Award:** S. Mohammad Amir Dastgheib and Amir Sahraei from Sharif University of Technology and K. N. Toosi University of Technology, given by Dr. Hajar Atrianfar.
- **Best B.Sc. Thesis Award:** Reza Kazemi from the Amirkabir University of Technology, given by Dr. Shokrollah Karimian.
- **Outstanding B.Sc. Thesis Award:** Eisa Foroutan from Shahreza Higher Education Center given by Dr. Shokrollah Karimian.
- **Best Student Branch Award:** Buein Zahra Technical University given by Dr. Amir Hossein Nikoofard.
- **Outstanding Student Branch Award:** Islamic Azad University Majlesi Branch Islamic Azad University Najafabad Branch given by Dr. Amir Hossein Nikoofard.

In the final part of the session, IEEE Iran section Nominations and Appointments committee chair, Prof. Fotuhi, announced the 2020 IEEE Iran Section election and introduced the nominees: Prof. Vahid Ahmadi, Prof Hossein Askarian Abyaneh, and Prof. Eslam Nazemi for chair and vice-chair positions. Also, he announced Dr. Maryam Tayefeh Mahmoudi and Dr. Vahid Nayeri as secretary position candidates. Since Dr. Mohammad Reza Yousefi was the only candidate for the Treasurer position, therefore, he has been selected directly for the treasurer position. Also, Prof. Faiz announced the time of the next awards series.
The final words were from Eng. Mojgan Azizi, the IEEE Iran Section Web Development committee chair and the conductor of the 11th IEEE Iran Section Awards Ceremony Executive Team. She admired the relentless and unparalleled efforts of team members and noted there was not such a fabulous event without them. At last, A memorable group photo was taken with all the prestigious guests.

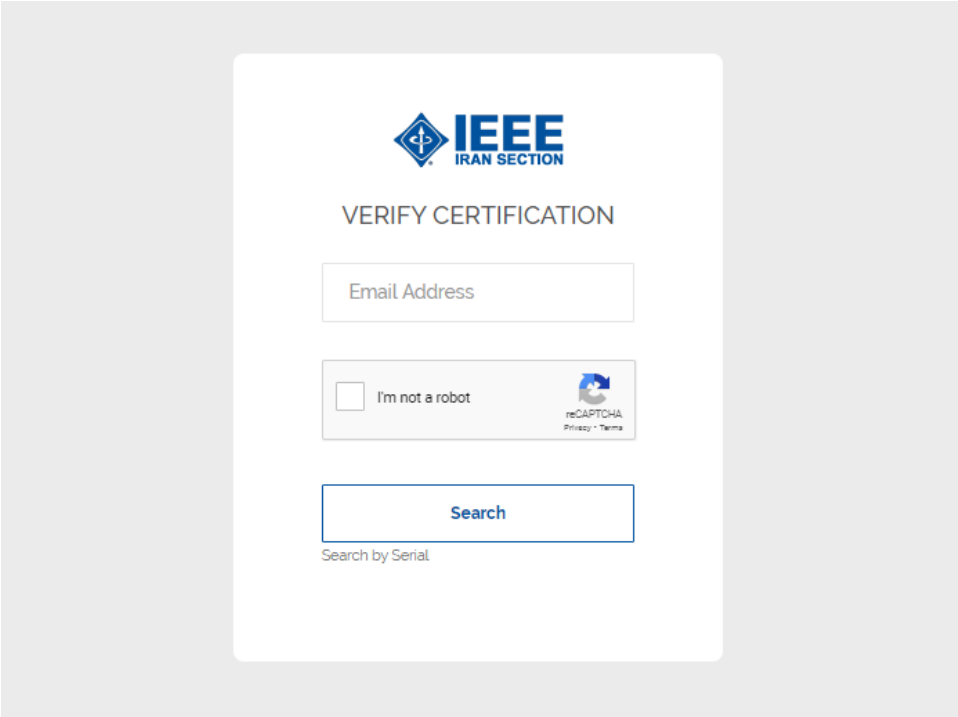
- **Pictures**

Picture 1. IEEE Iran Section Nomination Committee 2020, Iran Section office

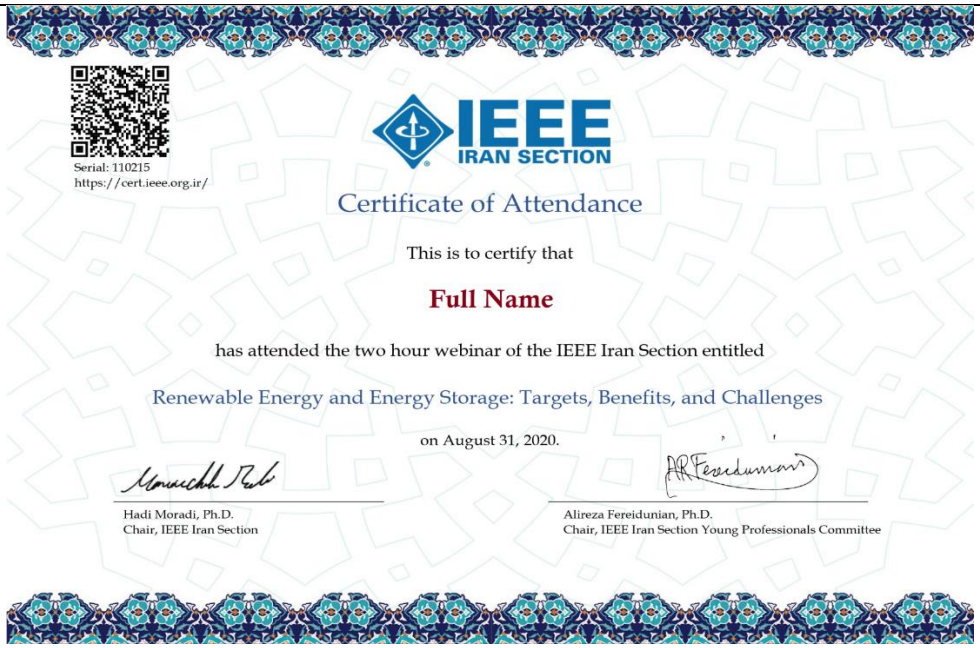



Picture 2. vTools status of IEEE Iran Section election 2020

Picture 3. First IEEE Iran Section ExCom (2021-2022) meeting




(a)

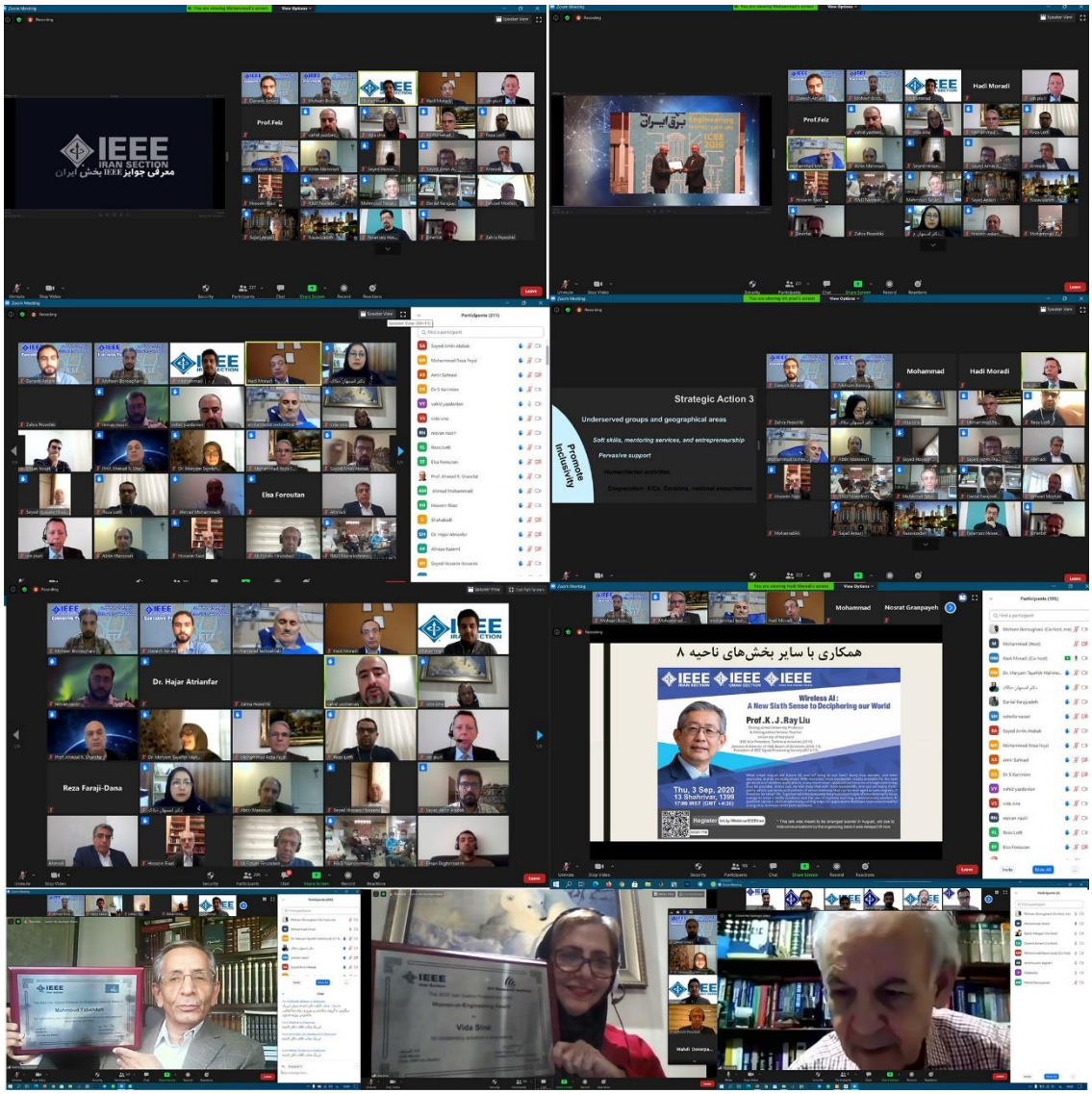



(b)

Picture 4. IEEE Iran Section Digital Certification System

Picture 5. Meeting for the 2019-2020 ExCom Appreciation and Introducing 2021-2022 ExCom.

Picture 6. Awards recipients group photo.




Picture 7. The 11th IEEE Iran section awards ceremony all in one photo.

**Iran Section** **Vahid Ahmadi**

# IEEE Iran Section Industrial Relations Committee Report

**March 2021**

# Table of Contents

**I. Organization of IEEE Iran Section Industrial Relations Committee** ..... 3
**II. IRC Action Plan** ..... 4
**III. Activities done by IEEE Iran Section IRC** ..... 4
**IV. IRC KPIs** ..... 5
**V. Pictures** ..... 6

# I. Organization of IEEE Iran Section Industrial Relations Committee

| Full name | Position | Affiliation | Email address |
|---|---|---|---|
| Hossein Riazi | Chair | Payaco Founder and Chair, Mobinnet Vice-Chair, and Iranian Telecommunication Industries Syndicate Chair | riazi@payaco.com |
| Soheil Radiom | Vice-Chair | BOD member of Mobinnet and MCI Consultant | soheil.radiom@gmail.com |
| Mojgan Azizi | Secretary | ICT Research Institute | mojgan.azizi@gmail.com |
| Mohammad Ali Chamanian | Member | CEO at Nian Electronic Co. | mchamanian@yahoo.com |
| Karim Mohammadpour-Aghdam | Member | CEO at Faraz Co. | kaghdam@ut.ac.ir |
| Amirnader Askarpour | Member | CEO at Faravid Co. | askarpour@aut.ac.ir |
| Siamak Hossein Khalaj | Member | Monenco Iran Consulting Engineers | khalaj53.siamak@gmail.com |
| Seyed Javad Seyedi | Member | Development Team Leader at TETA | javadsayedi@yahoo.com |
| Danial Farajzadeh | Student member | Buein Zahra Technical University (BZTE) | farajzadehdanial@gmail.com |
| Mahdi Asghar | Student member | Islamic Azad University – Central Tehran Branch | mahdi.asghar97@gmail.com |
| Maedeh Parivand | Student member | Islamic Azad University – Central Tehran Branch | ma.parivand@gmail.com |
| Shiva Asfari | Student member | Amirkabir University of Technology | asfari.shiva@gmail.com |
| Abolfazl Qiyasi | Student member | Shamsipour Technical and Vocational College | a.qiyasimoghadam@gmail.com |

### IRC Action Plan

IEEE Iran Section Industrial Relations Committee (IRC) is one of the main bridges between industry and academia which plays an important role. Our responsibilities are introducing new research and development opportunities to academia for business growth, industry can describe and give details about opportunities through IEEE. Industry must address IEEE topics of interest in order to attract attention and receive feedbacks. Bringing industrial opportunities to the academy through different ways such as lectures or various competitions to expand industrial topics. Introducing industrial projects in the universities, become sponsor for different parts, support for good student dissertations. There are about 60 student branches in Iran which IRC is able of conducting panels and lectures so new opportunities will be described for them. Now the academy can help the industry to achieve its goals by providing human resources. Therefore, the consequences of these actions are creating an awareness for the industry that people become more familiar with it, recounting works of the industry by professors which creates sort of publicity about what has the industry done. By achieving this goal, experienced based information exchange happens in the network and both sides take benefit from it. Also, a platform is provided for creating awareness of technology, its adoption and its benefits to increase our life quality. IEEE Iran Section IRC is trying to inform IEEE members, students and other groups with professional experiences in order to give them the needed industry knowledge through any available ways such as, lectures, seminars, webinars, industrial visits, internships and so on. On the other hand, IRC is working on retain and recruit Iran Section members by providing them useful and practical packages e.g. workshops on soft and technical skills holding by industry experts. Thus, members have good sight from industry or professional career. IEEE Iran Section IRC is formed of top, well known and highly experienced industry individuals as well as active students/volunteers which are great team workers and have good potential for development. The current chair of IEEE Iran Section IRC is a successful CEO of a large telecommunication company with 40 years of experience in the industry. He knows the telecom industry in Iran very well and he is in the BOD of the Iranian Telecommunication Industries Syndicate.

## II. Activities done by IEEE Iran Section IRC

- Connection with other committees and affinity groups to increase interactions.
- Holding Industrial Relations meetings and uploading reports on vTools.
- Announcing and inviting industry experts for conducting in IEEE Iran Section Technical Chapters (Computer Society, Electronic, Communications and so on.).
- Encourage and promote industry people and active organizations to volunteer cooperation with IEEE Iran Section.
- Supporting of student activities.
- Holding seven joint meetings with Technical Chapters Committee to present the white paper
- Presentation of white paper on methods for developing TRL-MRL in the telecommunications industry entitled "Investment and Entrepreneurship Opportunities in the Communications and Information Technology Industry".
- Held 22 up-to-date educational workshops and discussion panels to introduce IEEE and Iran Section in Iran Telecom Plus (20th International Exhibitions of Telecommunications, Information Technology, and Innovative CIT Solutions).
- Inviting successful entrepreneurs for specialized panels and lectures in IEEE Iran Section annual meetings and sponsored conferences.
- Supporting the booths of the IEEE Iran Section in conferences and exhibitions.

- Supporting and funding student visits and trips.
- Sponsored and funding two IEEE Iran Section annual meetings.
- Preparation and compilation of two by-laws for two awards in the field of industry (listed below) and inviting entrepreneurial and successful women to nominate for the Women in Engineering award.
    - Top Entrepreneur Award
    - Veteran Engineer Award
- Lunching Jobsite: a place for job opportunities, https://jobsite.ieee.org.ir/.
- Supporting student internships.
- Holding online events like webinars:
    - Soft Skills to Enter the Industry, by Eng. Mohammad Ali Chamanian, Managing Director Nian Electronic, this lecture held at Sharif University of Technology and K.N. Toosi University of Technology due to the very well received feedbacks from it
    - Industrial Relations Virtual Panel:
        - University-Industry Collaboration Opportunities, by Eng. Faramarz Rastegar, BOD member of Iranian Telecommunication Industries Syndicate
        - Research and Development Opportunities in Crisis, by Dr. Soheil Radiom, BOD member of MobinNet Telecom
    - Lean Management for Technical People Webinar
        - By Dr. Hormoz Mogharei, University of California, Berkeley
    - Vision, Roadmap, and Strategy of the Electricity Industry (Energy, Information Technology and Interdisciplinary Industries) Webinar
        - Eng. Hossein Riazi, IEEE Iran Section Industrial Relations Committee Chair
        - Dr. Hossein Askarian Abyaneh, Dean of the Electrical, Computer, and Bio-Medical Engineering School of the Amirkabir University of Technology, IEEE Iran Section Technical Chapters Committee Chair.
        - and Eng. S. Mohsen Marjanmehr, Vice President for Technology of Niroo Research Institute

## III. IRC KPIs

- MoUs with other industries and partners
- Meetings with Affinity Groups, Chapters, and Student Branches
- Updating internships and mentorships statics in websites
- Joining industry and entrepreneurship events
- Inviting representatives of other groups and chapters to join IRC

## IV. Pictures

Picture 1. Call for top entrepreneur and veteran engineer awards

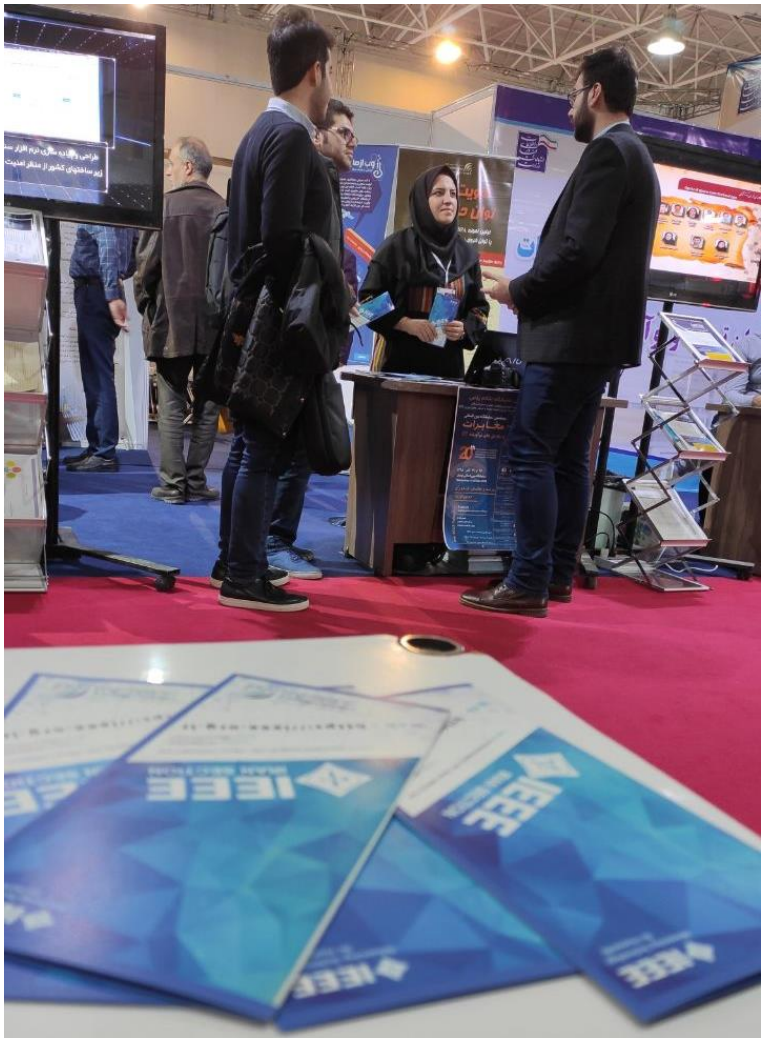
Picture 2. IEEE Iran Section Jobsite, https://jobsite.ieee.org.ir/

کارگاه‌های آموزشی نمایشگاه تلکام پلاس (۲۹-۲۶ آذر ۱۳۹۸)
کارگاه‌های آموزشی کمیسیون‌های آموزش و پژوهش اتحادیه صادرکنندگان
صنعت مخابرات ایران، سندیکای صنعت مخابرات ایران و کمیته ارتباط با صنعت بخش ایران IEEE
بیستمین نمایشگاه بین المللی
مخابرات
و راه حل های نوآورانه CIT
20th International Exhibition of Telecommunications, Information Technology and Innovative CIT Solutions
۲۶ تا ۲۹ آذر ۱۳۹۸
نمایشگاه بین المللی تهران
Tehran-Iran 17-20 Dec.2019
عرضه و تقاضای فن آوری
رونق تولید
Iran 2019 Telecom+
همزمان با
نمایشگاه دستاوردهای پژوهش و فناوری
همراه با
میزگردهای تخصصی
پویش ظرفیت / استعداد
محل برگزاری کارگاه‌ها: سالن VIP35
بازدید از غرفه‌ها: سالن‌های 37A و 38B
میزهای گفت‌وگو: بخش VIP سالن ۳۵
راهبری:
برگزار کننده:
ارائه گواهینامه معتبر (انستیتو ایزایران)
سه‌شنبه ۲۶ آذر ماه:
سیستم‌های رادیویی/
سامانه ارتباطات بی‌سیم
چهارشنبه ۲۷ آذر ماه:
5G / IOT / SDN
پنج‌شنبه ۲۸ آذر ماه:
بلاک چین و هوش مصنوعی
جمعه ۲۹ آذر ماه:
راه کارهای نوین در صنعت ICT

(a)

(b)

(c)



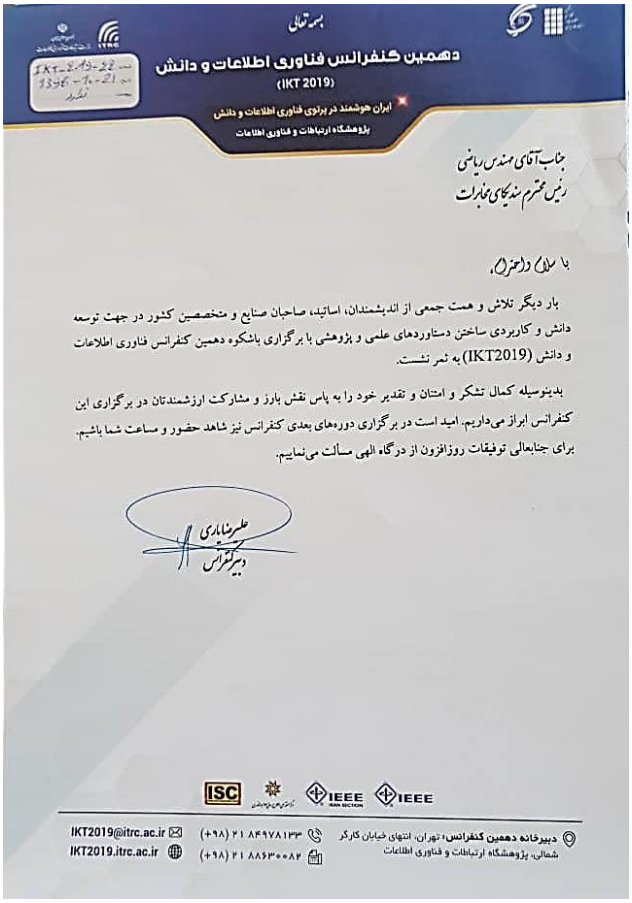
(d)

(e)
Picture 3. IEEE Iran Section IRC in Telecom Plus

Picture 4. Technical Chapters meetings

Picture 5. Cooperation with IEEE Iran Section Computer Society

Picture 6. Joint meetings with technical chapters committee to present white paper



بسمه تعالی

دهمین کنفرانس فناوری اطلاعات و دانش
(IKT 2019)

ایران هوشمند در پرتوی فناوری اطلاعات و دانش
پژوهشگاه ارتباطات و فناوری اطلاعات

جناب آقای مهندس ریاضی
رئیس محترم سندیکای مخابرات

با سلام و احترام،

بار دیگر تلاش و همت جمعی از اندیشمندان، اساتید، صاحبان صنایع و متخصصین کشور در جهت توسعه دانش و کاربردی ساختن دستاوردهای علمی و پژوهشی با برگزاری باشکوه دهمین کنفرانس فناوری اطلاعات و دانش (IKT2019) به ثمر نشست.

بدینوسیله کمال تشکر و امتنان و تقدیر خود را به پاس نقش بارز و مشارکت ارزشمندتان در برگزاری این کنفرانس ابراز می‌داریم. امید است در برگزاری دوره‌های بعدی کنفرانس نیز شاهد حضور و مساعت شما باشیم.
برای جنابعالی توفیقات روزافزون از درگاه الهی مسألت می‌نماییم.

علیرضا یاری
دبیر کنفرانس

ISC IEEE IEEE

دبیرخانه دهمین کنفرانس: تهران، انتهای خیابان کارگر شمالی، پژوهشگاه ارتباطات و فناوری اطلاعات
(+۹۸) ۲۱ ۸۴۹۷۸۱۳۳
(+۹۸) ۲۱ ۸۸۶۳۰۰۸۲
IKT2019@itrc.ac.ir
IKT2019.itrc.ac.ir

Picture 7. Financial support of industrial companies for IEEE Iran Section sponsored conferences

.

Picture 8. Speech at the Annual Meetings

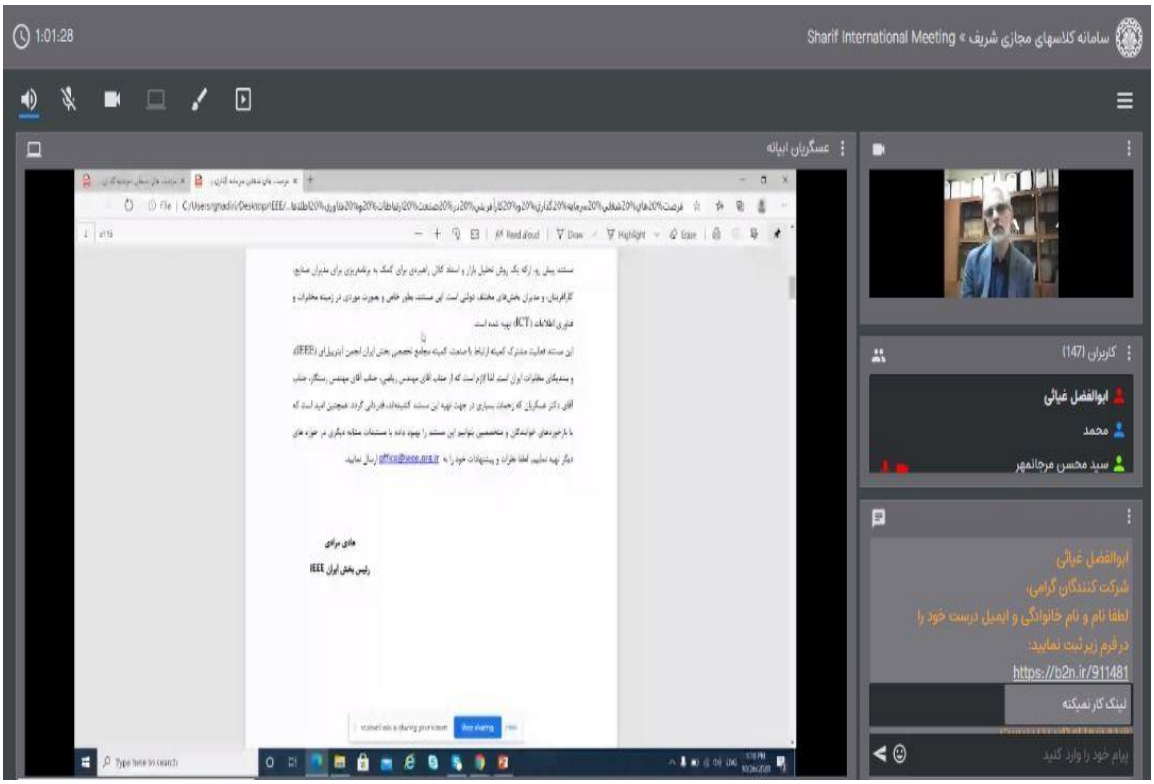
Picture 9. Student visit

Picture 10. Support of student activities.

Picture 11. Industrial Relations Virtual Panel

Picture 12. Lean Management for Technical People Webinar

(a)




(b)

Picture 13. Vision, Roadmap and Strategy of the Electricity Industry (Energy, Information Technology and Interdisciplinary Industries) Webinar

**Iran Section** **Vahid Ahmadi**

# IEEE Iran Section Young Professionals Committee Report

**March 2021**

# Table of Contents

**I. Organization of IEEE Iran Section Young Professionals Committee** ..... 3
**II. Activities and Plans** ..... 4
**III. Pictures** ..... 6

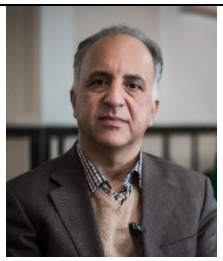
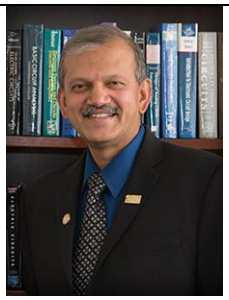
# I. Organization of IEEE Iran Section Young Professionals Committee

| Full Name | Position | Affiliation | Email Address |
|---|---|---|---|
| Alireza Fereidunian | Chair | K. N. Toosi University of Technology | fereidunian@eetd.kntu.ac.ir |
| Mojgan Azizi | Secretary | ICT Research Institute | m_azizi@itrc.ac.ir |
| Mohammad Ghaderzadeh | Assistant Chair | K. N. Toosi University of Technology | Ghaderzadeh@ieee.org |
| Saman Akbarian | Student Member | University of Melbourne | akbaryan@ieee.org |
| Bashir Felegari | Student Member | Tarbiat Modares University | Bashir.felegari@ieee.org |
| Danesh Amani | Student Member | Tarbiat Modares University | Amani.danesh@ieee.org |
| Abolfazl Qiyasi | Student Member | Shamsipour Technical and Vocational College | a.qiyasimoghadam@gmail.com |
| Mohammad Hasan Azad | Student Member | K. N. Toosi University of Technology | mhazad1999@gmail.com |
| Amir Hossein Bagheri | Student Member | K. N. Toosi University of Technology | amirhb.bagheri@gmail.com |
| Mahdi Abbasi | Student Member | K. N. Toosi University of Technology | mahdiabbasi@ieee.org |
| Mohsen Boroughani | Student Member | K. N. Toosi University of Technology | mohsenboroughani@yahoo.com |
| Yalda Ghorbani | Student Member | Islamic Azad University, Majlesi Branch | yalda_ieee19@yahoo.com |
| Pouya Khademian | Student Member | Isfahan University of Technology | p.khademian@ec.iut.ir |
| Amir Zahedi | Member | MTN Irancell | amir.zahedi@ieee.org |
| Pouya Ahadi | Student Member | Iran university of science and Technology | ahadi@ieee.org |

## II. Activities and Plans

The primary mission of the IEEE Iran Section Young Professionals committee is to encourage the youth to be proactive and take responsibility, promote the process of creating and applying knowledge about technologies and sciences, and equip youth to become stronger leaders and more successful. In order to achieve this goal, every year, we present and introduce the YP committee to all new IEEE members so that every student after graduation should have a side plan like joining YP programs. On the other hand, the YP committee is one of the bridges between industry and university. Therefore, we are trying to connect students who have good potentials with the industry. Also, one of our plans is to make the career and education path clear to students so they can make better decisions about their future careers. It led us to provide a webinar entitled "Career Design". The talk concluded with issues of what people face after entering the field of industry or academia. In recent months, we planned webinars with academy/industry persons to continue updating and introducing top academy and industry faces and essential topics to the engineering crowd. The presenters are highly educated and well-known worldwide. As a result, webinars were successfully held in the Zoom cloud platform, with more than 170 participants worldwide in each one and the presence of IEEE prominent persons. The summary of the abovementioned webinars shown in Table 1.

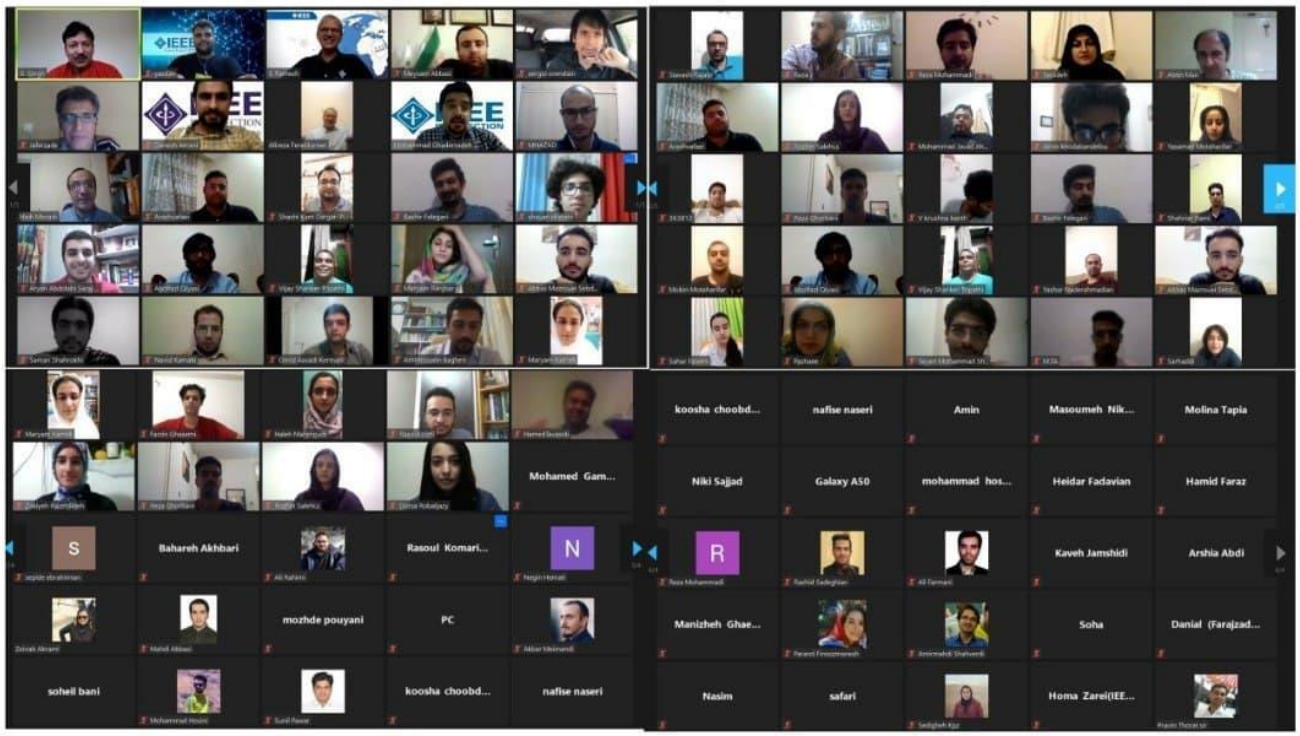
Table 1. IEEE Iran Section YP Committee Webinars

| No. | Topic | Presenter | Date | Presenter Photo |
|---|---|---|---|---|
| 1 | Career Design | **Eng. Hassan Etaat**<br>Business Facilitator,<br>Founder, CEO at Persian New Ideas | July 29<br>2020. |  |
| 2 | Engineering the Future in the Post-COVID Era | **Prof. S. K. Ramesh,**<br>Fellow IEEE - 2016-17 IEEE Vice President Educational Activities<br>Director AIMS2 Program, and Professor of Electrical and Computer Engineering<br>California State University, Northridge, USA | 23 August 2020 |  |
| 3 | The Smart City Building Blocks and Their Synergy with Smart Villages | **Prof. Saifur Rahman,**<br>Joseph Loring Professor of Electrical Engineering Virginia Tech, Director, Virginia Tech Advanced Research Institute, USA, President, IEEE Power & Energy Society, 2018 & 2019 | 25 August 2020 | |
| 4 | Renewable Energy and Energy Storage: Targets, Benefits, and Challenges | **Dr. Babak Enayati,**<br>Vice-Chair 1547 IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems -<br>Manager, Technology Deployment at National Grid Waltham, Massachusetts | 31 August 2020 | |

| | | | | |
|---|---|---|---|---|
| 5 | Wireless AI: A New Sixth Sense to Deciphering our World | **Dr. K. J. Ray Liu,** Distinguished University Professor and a Distinguished Scholar-Teacher of University of Maryland, College Park, IEEE Vice President, Technical Activities 2019 | 3 September 2020 | |
| 6 | Ambient Intelligence for Smart Living | **Prof. Vincenzo Piuri,** IEEE Vice President for Technical Activities (2015) - IEEE Director, President of the IEEE Computational Intelligence Society - Department of Computer Science Università Degli Studi di Milano, Italy | 22 September 2020 | |
| 7 | Frequency control in low-inertia power systems | **Prof. Igor Kuzle** Professor and the Head of the Department of Energy and Power Systems at the University of Zagreb, IEEE Region 8 Vice-Chair for Technical Activities 2015-2016 | 30 September 2020 | |
| 8 | IoT based Decentralized Architectures for Flexibility Service Provision | **Prof. Pierluigi Siano** Professor and Scientific Director of the Smart Grids and Smart Cities Laboratory at Department of Management & Innovation Systems, University of Salerno, Italy. | 9 October 2020 | |
| 9 | Haptic Technology in Intraocular Surgeries Webinar | **Prof. Hamid D. Taghirad et al.** Professor at K. N. Toosi University of Technology, Director of Advanced Robotics and Automated Systems (ARAS) | November 2, 2020 | |
| 10 | Swarm Robotics in Oil Spill Monitoring and Cleanup Webinar | **Prof. Hamid D. Taghirad et al.** Professor at K. N. Toosi University of Technology, Director of Advanced Robotics and Automated Systems (ARAS) | November 30, 2020 | |

## III. Pictures

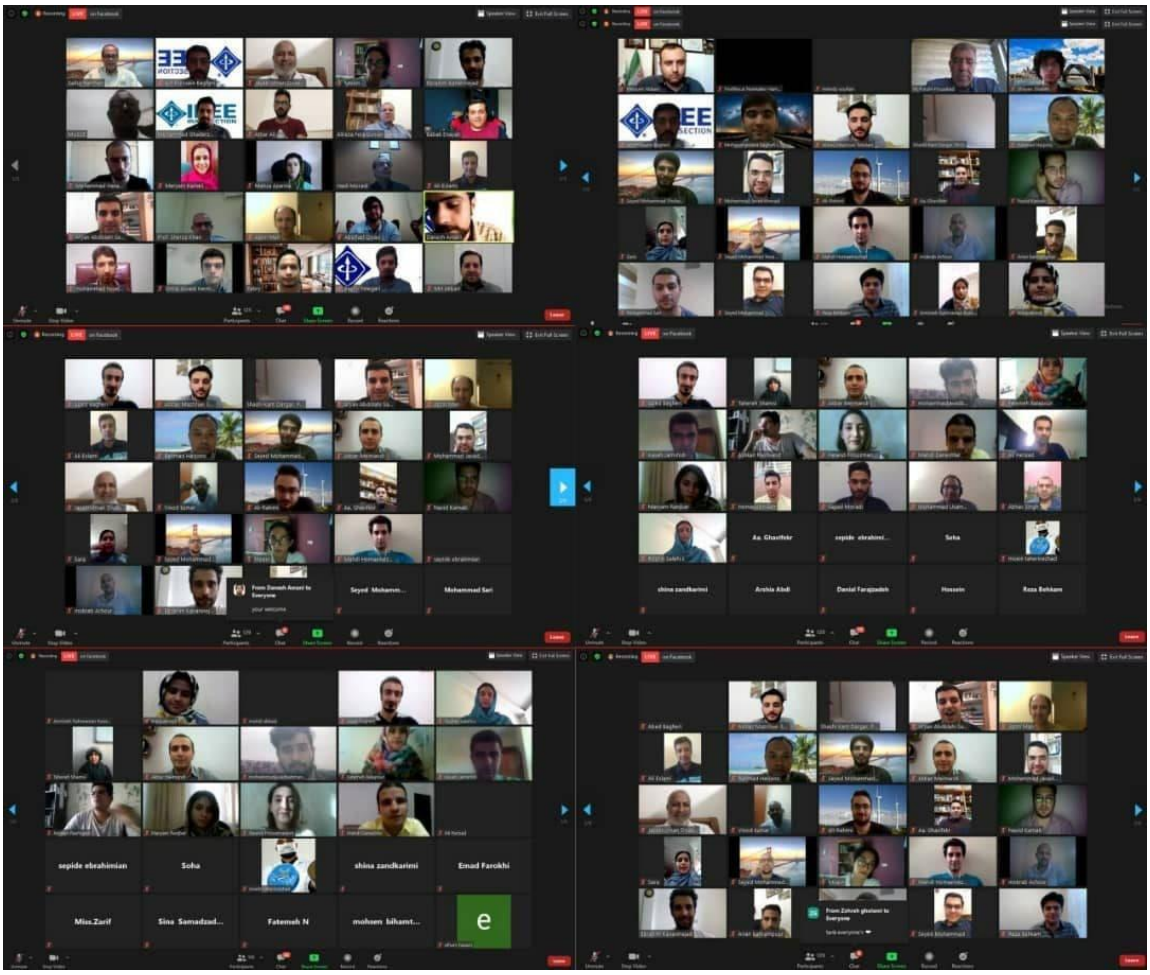
(a)




(b)

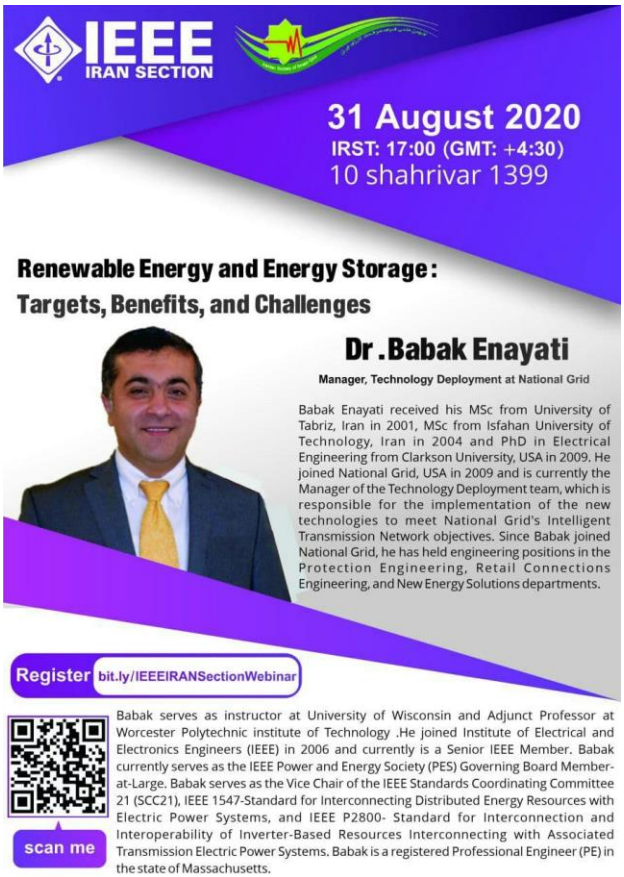
Picture 1. Engineering the Future in the Post-COVID Era webinar with 140 participants

(a)

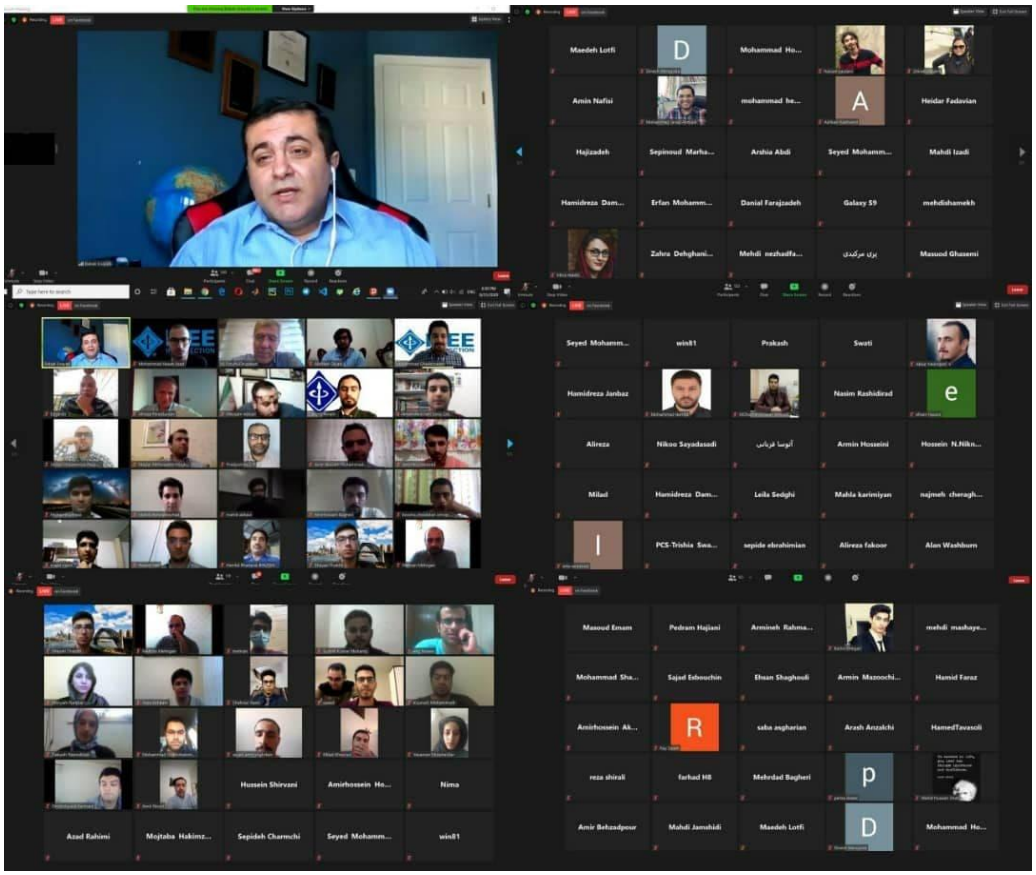


(b)

Picture 2. The Smart City Building Blocks and Their Synergy with Smart Villages webinar with 178 participants



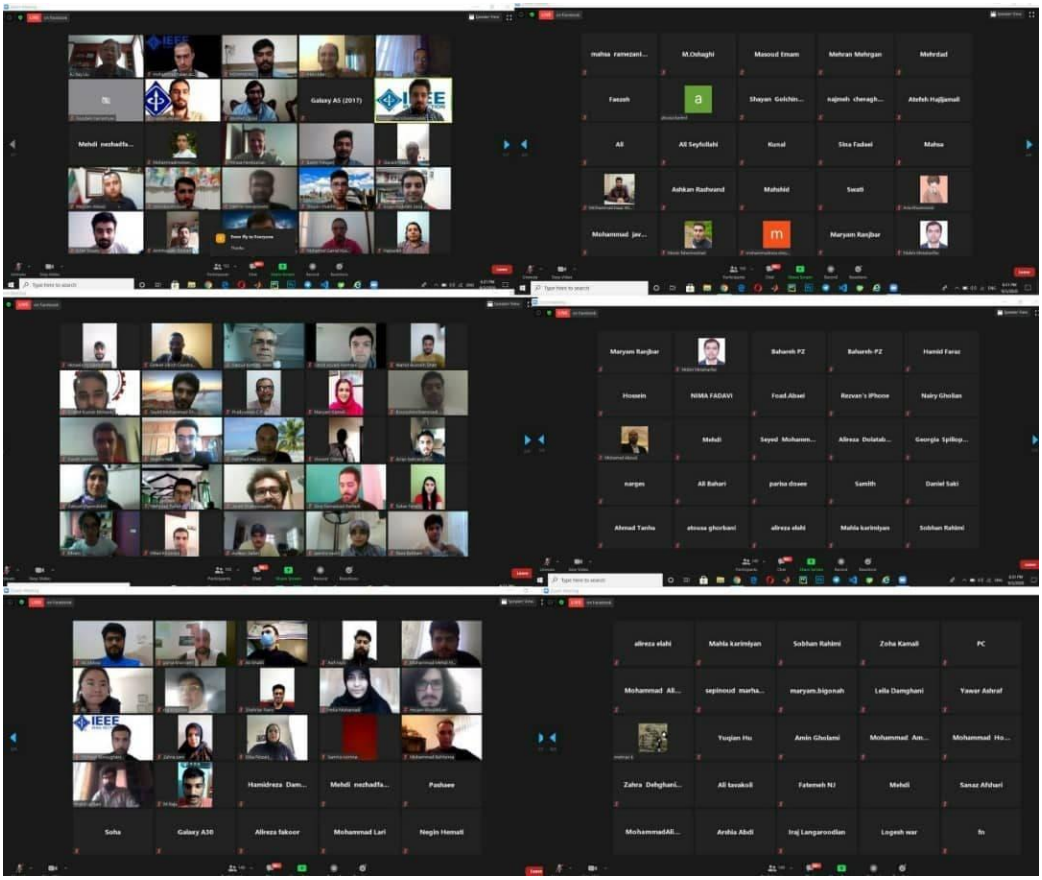

(a)



(b)

Picture 3. Renewable Energy and Energy Storage: Targets, Benefits, and Challenges webinar with 171 participants.

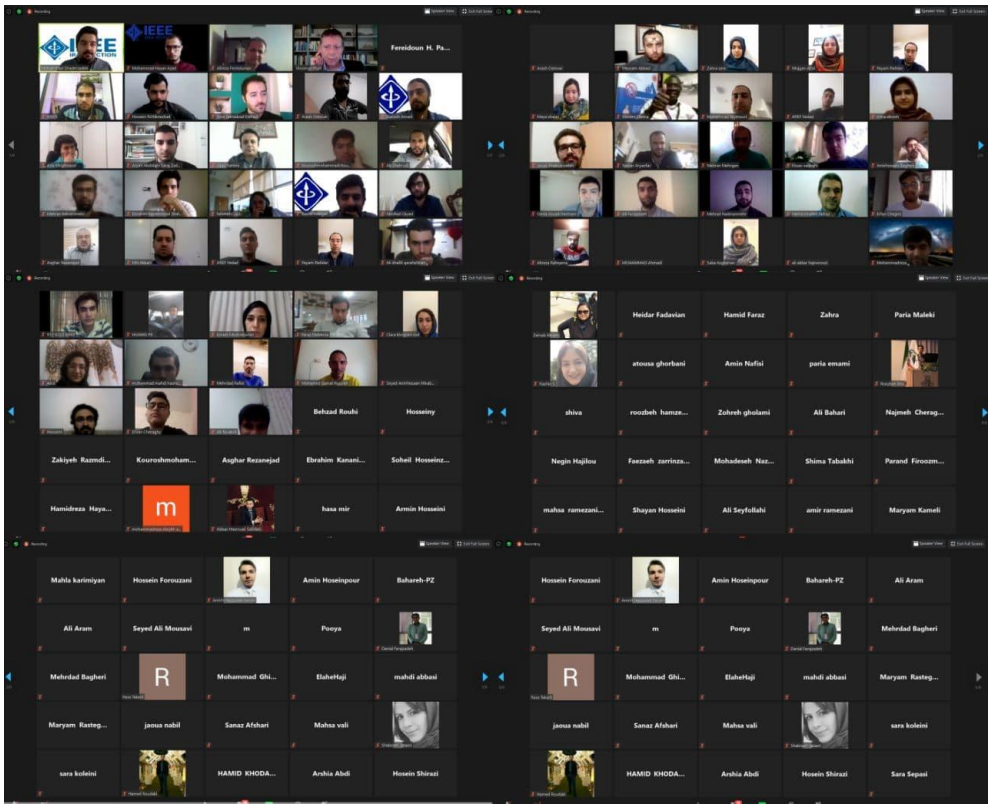
(a)



(b)

Picture 4. Wireless AI: a New Sixth Sense to Deciphering our World with 184 participants

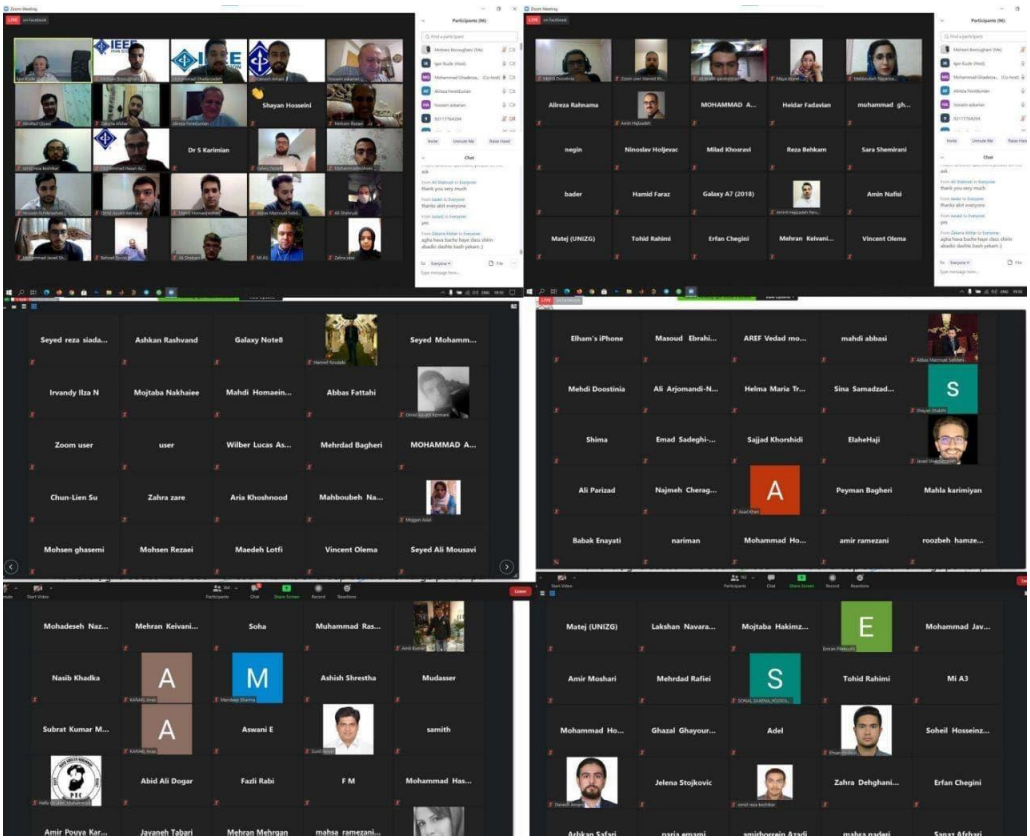
(a)



(b)

Picture 5. Ambient Intelligence for Smart Living webinar with 177 participants

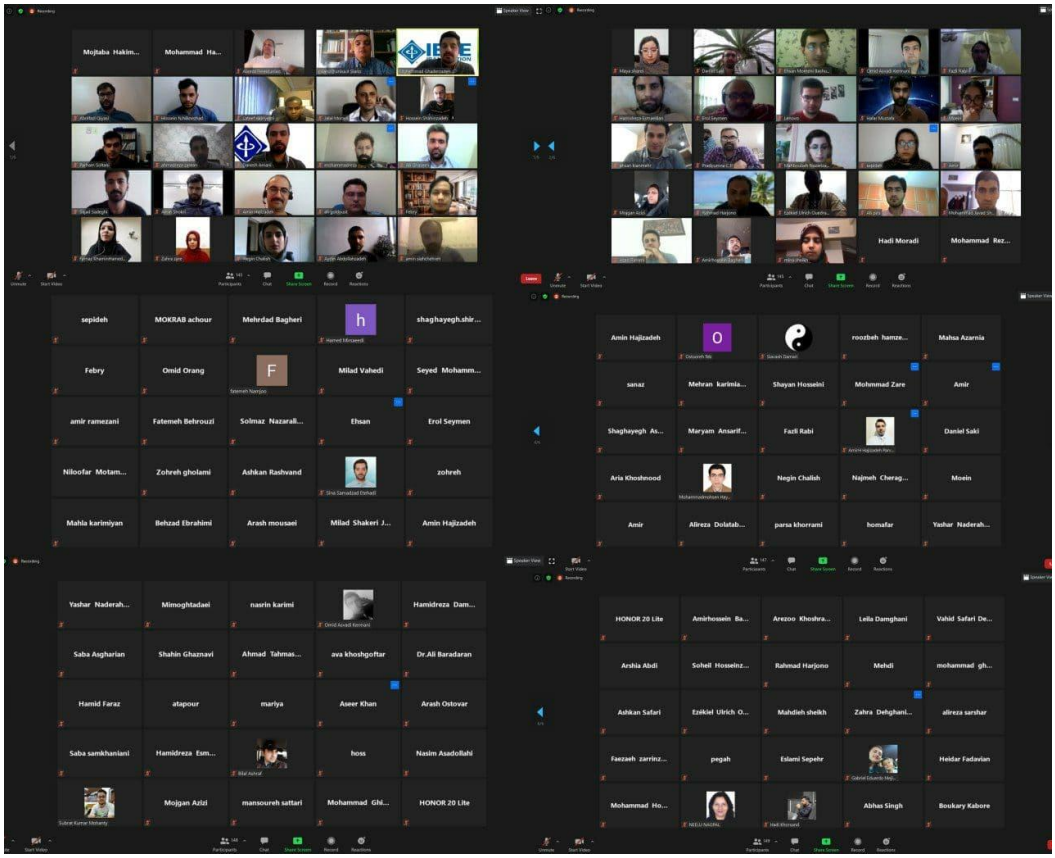
(a)



(b)

Picture 6. Frequency Control in Low-Inertia Power Systems webinar with 167 participants

(a)



(b)

Picture 7. IoT based Decentralized Architectures for Flexibility Service Provision webinar with 162 participants

**Iran Section** **Vahid Ahmadi**

# IEEE Iran Section Technical Chapters Committee Report

**March 2021**

# Table of Contents

**I. Organization of IEEE Iran Section Technical Chapters Committee** ..... 3
**II. Missions of IEEE Iran Section Technical Chapters Committee** ..... 4
**III. The vision of IEEE Iran Section Technical Chapters Committee** ..... 4
**IV. List of Active Chapters** ..... 4
**V. Activities done by Technical Chapters Committee** ..... 4
**VI. Activities done by Computer Society** ..... 5
**VII. Activities done by Control Chapter** ..... 5
**VIII. Activities done by Power Chapter** ..... 5
**IX. Activities done by EM & Photonics Chapter** ..... 5
**X. Pictures** ..... 6

# I. Organization of IEEE Iran Section Technical Chapters Committee

| Full Name | Position | Affiliation | Email Address |
|---|---|---|---|
| Heidar Ali Talebi | Current Chair | Amirkabir University of Technology | alit@aut.ac.ir |
| Hossein Askarian Abyaneh | Ex-Chair | Amirkabir University of Technology | askarian@aut.ac.ir |
| Amir Abolfazl Suratgar | Ex-Vice-Chair | Amirkabir University of Technology | a-suratgar@aut.ac.ir |
| Mojgan Azizi | Secretary | ICT Research Institute | m_azizi@itrc.ac.ir |
| Jalil Rashed Mohassel | Electromagnetics and Photonics Joint TC Chair | University of Tehran | jrashed@ut.ac.ir |
| Ahmadreza Sharafat | Communications and Information Theory Joint TC Chair | Tarbiat Modares University | sharafat@modares.ac.ir |
| Behzad Moshiri | Control Systems Joint TC Chair | University of Tehran | moshiri@ut.ac.ir |
| Mostafa Parniani | Power Engineering Joint TC Chair | Sharif University of Technology | parniani@sharif.edu |
| Ali Ahmadi | Computer Society Chair | K. N. Toosi University of Technology | ahmadi@kntu.ac.ir |
| Faramarz Hossein Babaei | Electronic Joint TC Chair | K. N. Toosi University of Technology | fhbabaei@kntu.ac.ir |

## II. Missions of IEEE Iran Section Technical Chapters Committee

- Improving the quality of higher education and real-world research in electrical and computer engineering across the country by enabling the personal and professional growth of the members.
- Efforts to improve the scientific level of conferences and planning to hold new conferences
- Collaborate on evaluating conferences and designating eligible conferences for IEEE logo licensing or indexing on the IEEE Xplore website (in coordination with the Conferences Committee)
- Holding educational courses (in coordination and cooperation with the Education Committee)
- Encourage and establish educational cooperation between universities of Iran
- Establishing international scientific communication through various means such as participating in international and regional activities and inviting prominent scientific figures to participate in conferences and hold scientific courses in Iran.
- Encouragement and planning of student scientific activities (in coordination and cooperation with the Student Committee)
- Establishing relations with the industry sector and cooperating with the Standards Committee in related fields
- Continuous effort to increase the number of members and their level and scope of activity

## III. The vision of IEEE Iran Section Technical Chapters Committee

Forming a network of Iranian professionals in electrical and computer engineering capable of providing the services required for further development of the country.

## IV. List of Active Chapters

IEEE Iran Section Technical Chapters Committee started its work with four specialized chapters as Telecommunication, Electromagnetics and Photonics, Power and Control. Recently, with the establishment of two computer and electronics chapters, the number of chapters in the IEEE Iran Section has reached six
There are 6 active Technical Chapters as following:

1) Communications and Information Theory Joint Chapter
2) Control Systems Joint Chapter
3) Electromagnetics and Photonics Joint Chapter
4) Power Joint Chapter
5) Electronics Joint Chapter
6) Computer Society

So far, IEEE Iran Section held 11 meetings in person and 42 online due to the spread of COVID-19.

## V. Activities done by Technical Chapters Committee

- Call for Academic-Industrial Specialists to Establish IEEE Iran Section Computer Society
- Election of Computer Society
- Call for academic-industrial specialists to establish IEEE Iran Section Electronic Chapter
- Election of Electronic Chapter
- Holding meetings and presenting of White Paper in the Telecommunications Industry entitled "Investment and Entrepreneurship Opportunities in the Communications and Information Technology Industry" by Mr. Riazi from Telecommunication Syndicate. Completing a review of the paper and then finalizing for public announcement on IEEE Iran Section website.
- Holding meetings and presenting of White Paper in the electricity industry by Mr. Marjanmehr from Niroo Research Institute and full review for public announcement on IEEE Iran Section website considering the confidentiality conditions for public announcement.
- Holding a meeting and presenting White Paper in the telecommunications industry (Sovereignty) by Dr. Yari from the ICT Research Institute. and preliminary review for public announcement on IEEE Iran Section website considering the confidentiality conditions for public announcement.
- Call for Candidacy in IEEE Iran Section Electromagnetic Chapter. A new steering committee was also elected
- Call for candidacy in the Power Chapter according to the end of the current term and receiving the information of the candidates
- Reviewing and evaluating conferences of IEEE Iran Section
- Holding Joint Meetings with the Awards Committee to Amend and Revise the Awards Regulations of IEEE Iran Section
- Receiving Documents Related to the awards of Young Researchers and Students from the Country and Planning to Extend it due to the Spread of COVID-19 and the Postponement of Programs

## VI. Activities done by Computer Society

- Review and evaluation of more than ten scientific conferences in the computer sector to obtain a license
- Planning to host specialized panels by Computer Society - IEEE Iran Section, focusing on software exports, Digital currencies, Blockchain, and the Smart Economy
- Concluding a cooperation agreement with the Information and Communication Technology Association of Iran and Shahid Beheshti University and planning to hold two panels and workshops in the ”11th International Conference on Information Technology and Knowledge- IKT2020”
- Negotiation with " Software Companies Association (Ashena) ” for cooperation and holding a joint workshop
- Action for cooperation in:
    - The Second National Informatics Conference of Iran
    - 4th National Conference on Organizational Architecture Achievements
    - 26th International Computer Conference Computer Society of Iran
- Launching the website of IEEE Iran Section Computer Society
- Activation of social networking groups
- Preparation of documents of mission and vision of IEEE Iran Section Computer Society
- Planning and carrying out measures to assess needs related to the IT industry
- Developing the strategic documents and relevant standards as a suitable reference for the country's IT industry
- Preparing invitations to attract and join professors, researchers, students, and industry activists to Computer Society - IEEE Iran Section
- Identifying universities and prioritize and plan activities to activate IEEE computer student branches
- Determining the scope of activities in industry, university, and government
- Holding regular monthly meetings of Computer Society
- Participating in the monthly meetings of the Organization of the IEEE Iran Section Technical Chapters Committee
- We have started a program to form Student Branch Chapters which is a new action in the whole Iran section. We sent invitations to computer faculties of 50 universities and we are trying to expand our network. Some universities showed their interest and we are in the process of SB formations with them.

## VII. Activities done by Control Chapter

- The Digital Transformation & industry 4.0 webinar
- The panel of the Iranian Society of Control Engineering and International Cooperation
- The fusion of Hard and Soft Data, Principles and Practice Lecture
- Preparation of documents on the goals and missions of the Control Chapter
- Needs assessment in the field of instrumentation control systems and automation for the future of Iranian industry
- Development of a strategic plan document and relevant standards
- Inviting professors, researchers, students, and industry individuals to joint Control Chapter
- Identify universities, prioritize and plan activities to activate student branches

## VIII. Activities done by Power Chapter

- Review and evaluation of IEEE Iran Section conferences
- Receiving and evaluating award documents related to the IEEE Iran Section Power Chapter.
- Futurology in the field of power
- Proposing a series of technical webinars

## IX. Activities done by EM & Photonics Chapter

- Preparation of vision, goals, and missions document of EM & Photonics Chapter
- Prepare a proposal to share the laboratory facilities of universities to offer courses related to students
- Investigating the reasons for students' reluctance to study engineering and developing strategies to improve it
- Participate in the evaluation of IEEE Iran Section Award nominees
- Start of technical webinars and seminars by inviting top international experts
- Appointing chapter representatives in universities across the country and starting the activities of this group
- Provide numerous suggestions to improve the recruitment status and scientific activity of related members in the country
- The most important activity is to register the chapter in IEEE and we are trying to make this happen however R8 can help us in this manner
- Conformal Planar High-Gian Antennas webinar

- Near Field Antenna Pattern Measurement webinar

## X. Pictures

Picture 1. IEEE Iran Section Computer Society

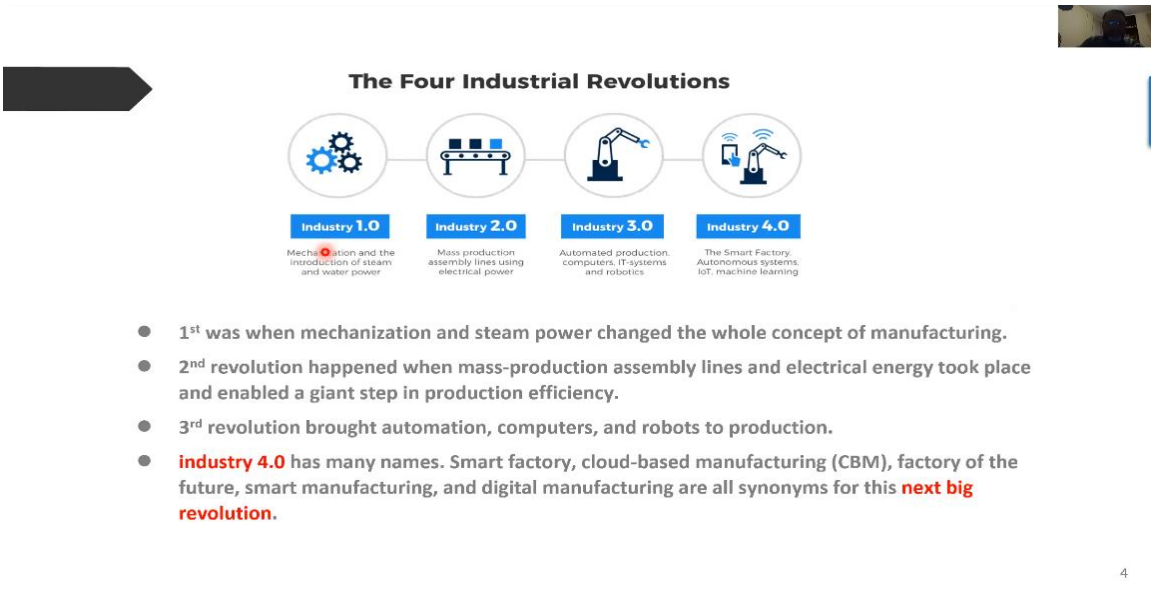
Picture 2. IEEE Iran Section Electronic Chapter

Picture 3. Meeting of presenting a white paper in the telecommunications industry

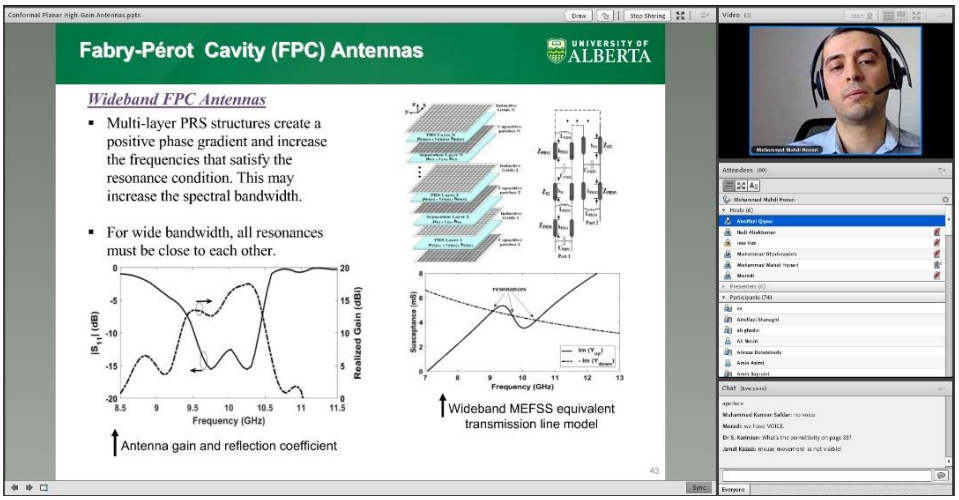
Picture 4. Meeting of presenting white paper in the telecommunications industry (Sovereignty)

Picture 5. Meeting with Awards Committee to Amend and Revise the Awards Regulations of IEEE Iran Section

Picture 6. The panel of the Iranian Society of Control Engineering and International Cooperation




Picture 7. The Digital Transformation & industry 4.0 webinar




Picture 8. Conformal Planar High-Gian Antennas webinar

**Iran Section** **Vahid Ahmadi**

# IEEE Iran Section
# WIE Committee Report

**March 2021**

# Table of Contents

**I. Organization of IEEE Iran Section WIE Committee** ..... 3
**II. IEEE Iran Section WIE Committee** ..... 4
**III. Mission and Vision** ..... 4
**IV. Responsibilities** ..... 4
**V. Two-year plan** ..... 4
**VI. Activities done by WIE Committee** ..... 5
**VII. Pictures** ..... 6

# I. Organization of IEEE Iran Section WIE Committee

| Full name | Position | Affiliation |
|---|---|---|
| Zohreh Azimifar | Current Chair | Shiraz University |
| Maryam Tayefeh Mahmoudi | Ex-Chair | ICT Research Institute |
| Bahareh Akhbari | Member | K. N. Toosi University of Technology |
| Fariba Bahrami | Member | University of Tehran |
| Parisa Dehkhoda | Member | Amirkabir University of Technology |
| Afrooz Haghbin | Member | Science and Research Branch, Islamic Azad University |
| Samira Kooshkestani | Member | TaninPardaz Pasargad |
| Shohreh Kasaei | Member | Sharif University of Technology |
| Masoumeh Nasiri Kenari | Member | Sharif University of Technology |
| Maryam Dehghani | Representative | Shiraz University |
| Faezeh Farivar | Representative | Science & Research Branch, Islamic Azad University |
| Mahnaz Hashemi | Representative | NajafAbad Branch, Islamic Azad University |
| Somayeh Rais Dana | Representative | Ghazvin Branch, Islamic Azad University |
| Leila Sharifi | Representative | Urmia University |
| Atefeh Torkaman | Representative | ICT Research Institute (ITRC) |
| Leila Yousefi | Representative | University of Tehran |
| Maryam Zekri | Representative | Isfahan University of Technology |
| Farah Torkamani Azar | Advisor | Shahid Beheshti University |

## II. IEEE Iran Section WIE Committee

Women in Engineering (WIE) at IEEE Iran Section, as a part of one of the largest international professional organizations, is dedicated to facilitate the status and career advancement of women in engineering/science and to promote efficient collaborations between engineers and scientists through the WIE network. WIE Committee at IEEE Iran Section aims to Inspire, engage, encourage, and empower IEEE women worldwide, especially Region 8. In this regard, WIE provides members with opportunities including events, meetings, workshops, conferences, technical panels, and internships as well. We believe in and try to improve

Networking

Visibility

Long Life Learning

Joint Activities

Career Building

## III. Mission and Vision

Our mission is to inspire, engage, encourage and empower the contribution of women in science and technology worldwide and more specifically in Iran.

Our vision is a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity.

## IV. Responsibilities

- Our major responsibilities are as follows but not limited to:
- Increase the participation of women within IEEE; especially in Region 8.
- Organize reception at major national technical conferences to enhance networking and to promote membership in WIE.
- Organize workshops, conferences, technical panels, meetings, visiting tours, internships, etc. to empower our members in technical, professional, and social aspects.
- Keep graduated engineers, especially young women, updated with new technologies.
- Gather and circulate information regarding the status of women.
- Promote WIE member grade advancement to Senior and Fellow.
- Recognize women's outstanding achievements in IEEE-related majors through IEEE awards nominations.
- Address ways to improve the climate for women in workplaces.

## V. Two-year plan

- Expanding WIE network through collaboration with similar scientific & industrial groups & associations such as Association of Women Entrepreneurs,… to hold workshops, internships, etc.
- Expanding WIE network representatives in various universities, research institutes & industries among academics and student branches as well as professional engineers.
- Participating actively in national conferences and workshops to promote networking among WIE members and to introduce WIE objectives, and also to hold empowering workshops and side meetings by inviting scholars and experts from academic, industry, and research institutes.
- Expanding international communications to interact and collaborate with other WIE committees worldwide, especially in Region8, to exchange experiences and introduce potential Iranian women experts and academics in related international events and competitions.
- Identifying and disseminating the information related to the WIE members' achievements via the website of IEEE Iranian branch and Region8 Newsletter.
- Indicating the methodology of executing WIE's objectives in universities by defining and classifying the essential activities, such as:
- Launching academic/ technical/ job advisors among researchers, engineers, scientists, industry experts, academics, and senior students to mentor young students.
- Interacting and collaborating with other Iran Section IEEE Committees.
- Setting up the WIE membership site and providing WIE members database to facilitate future interactions with them.
- Examining how to promote the effective and competent presence of women in the area of technology and engineering science, especially in Electrical & Computer Engineering.

## VI. Activities done by WIE Committee

- The panel of Entrepreneurship Experience
- Sincere and Intimate Meeting between Professors and Students at the 25th Conference on Electrical Engineering
- Women in the Opportunities and Challenges Engineering at the Third International Women's Day and Information Technology Day
- Panel "Role & Place of Women in Engineering: "Challenges and Concerns"
- The role of self-confidence in individual success
- Research at University
- Workshop Introduction to Electromagnetic
- The key to persuasive presentations
- Empowerment Workshops in the Field of Business by Women in Engineering (WIE) Committee: We would like to empower our students in the field of business, who are going to be graduated. In this regard, series of workshops are considered to be presented. The first series covers 7 workshops as follows:
    - Creative Thinking
    - Accounting Fundamentals
    - Startup Fundraising
    - Fundamentals of Entrepreneurship
    - Time Management/ Scheduling
    - Generating the business model and value proposition design
    - A Practical Guide to Starting and Running a New Business
- Effective Communication webinar
- Stress Management and Relaxation of the Family Environment During the Corona webinar
- Leading Women in Engineering Sciences webinar

## VII. Pictures

Picture 1. IEEE Iran Section WIE Committee

(a)

(b)

Picture 2. Leading Women in Engineering Sciences webinar

Picture 3. Stress Management and Relaxation of the Family Environment During the Corona webinar

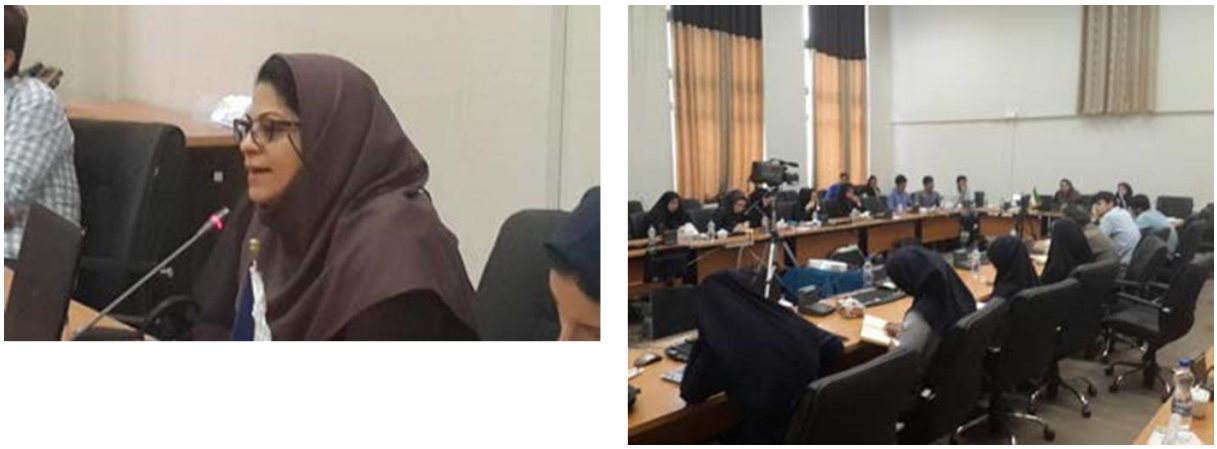
Picture 4. The role of self-confidence in individual success.

(a)

(b)

Picture 5. Research at University

Picture 6. Creative Thinking workshop.



Picture 7. Fundamentals of Entrepreneurship workshop.

Picture 8. Time Management/Scheduling workshop