IEEE Iran Section Report

July 2023
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Section Vitality

The 2022 election of the Iran Section Executive Committee began with the publication of “Call for Nominations” in September 2022. The election was started on December 2 and closed on December 28, 2022. In total, 22% of the members, who could vote, participated in this election. Prof. Hossein Askarian Abyaneh elected as Chair and Prof. Vahid Ahmadi elected as Vice-Chair. Also, Dr. Hadi Ali Akbarian as Secretary and Dr. Mohammad REZA Yousefi as Treasurer. It should be noted that 615 members participated in this election. Iran Section next elections is November 2023.

Students

Currently, we have 58 Student Branches (SB). Some of the members of SBs are members of the Students Activities Committee (SAC) and all 15 committees of the Section which helps the section body to be more dynamic. We have conducted the 13th IEEE Iran Section Awards Ceremony. Also, SAC was the responsible of conducting two main programs as Open Data Hackathon 2022 and inauguration meeting of the Board of Directors in 2022 and introduction of the Board of Directors in 2023. We have started a program to develop both Soft and Professional Skills for students named IEEE Iran Section Progress Event. As well as, we are planning for 14th IEEE Iran Section Awards Ceremony which will be held in next season.

Activities we have done:

- We have conducted 13th IEEE Iran Section Awards Ceremony which this year was held virtually (December 2022). This meeting is very important due to the gathering of the whole section and beyond. This year, the ceremony had the honor of hosting Prof. Saifur Rahman, 2022-2023 IEEE 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.
- The 20th Annual Meeting with the Executive Committee of IEEE Iran Section and Student Branches’ Counselors. In the presence of the executive committee, professors, counselors and members of the student branches (December 2022).
- Altium Designer software course held by Tarbiat Modares University Student Branch
- From zero to one hundred of processing ideas to patents workshop Tarbiat Modares University Student Branch
- Learning Django online course held by University of Science & Culture Student Branch
- Learning Django and its job market online workshop held by University of Science & Culture Student Branch
- Basics of GNSS positioning methods workshop held by Islamic Azad University – Science and Research Branch Student Branch
- Jadi’s magic: Quick browsing of Python and writing a strange program! held by K. N. Toosi University of Technology Student Branch
- IEEE Introduction Event held by University of Tabriz Student Branch in cooperation with the Young Professionals Committee
- Workshop for designing and simulating electronic circuits in ADS-2023 software held by Islamic Azad University – Science and Research Branch Student Branch in cooperation with the Telecommunication, Computer and Industrial Networks Research Center
- Training course on simulating power electronic circuits with MATLAB Simulink held by Buein Zahra Technical University Student Branch in cooperation with the Union of Electrical Engineering Student Scientific Associations of Iran
- Comprehensive protection and relay training course (relayage expert training) held by Buein Zahra Technical University Student Branch
- 6-hour online workshop on derivatives and integrals from zero to one hundred held by Technical and Vocational University of Shahrekord Student Branch in cooperation with the Union of Electrical Engineering Student Scientific Associations of Iran and University of Mohaghegh Ardabili
- Radio Frequency Receivers Course held by Tarbiat Modares University Student Branch
- A Series Of Discussion Meetings With Expert Engineers In The Electrical And Electronics Industry held by Tarbiat Modares University Student Branch in cooperation with the Open source hardware group of Iran ReadyBoard
- Python for the job market course held by Shahreza Higher Education Center Student Branch in cooperation with the Union of Electrical Engineering Student Scientific Associations of Iran
- Familiarization with electronic components workshop held by University of Science & Culture Student Branch
- Fiber optic sensors workshop held by University of Isfahan Student Branch
- Altium Designer online training course held by University of Science & Culture Student Branch
- Python programming language online course held by University of Science & Culture Student Branch
- The first entrepreneurial and motivational seminar on the key points of success in the labor market held by Technical and Vocational University of Shahrekord Student Branch
• The first national industrial automation event in Isfahan held by University of Isfahan Student Branch
• The 17th undergraduate project festival of the Faculty of Electrical and Computer Engineering, University of Tehran held by University of Tehran Student Branch
• Internet of Things project-oriented training course held by University of Science & Culture Student Branch
• Metaverse over Wireless Networks: Challenges and Opportunities Webinar
• IEEE Iran Section and Scientific Development of Iran Scientific Talk
• Soft and Hard Data Fusion for Intelligent Decision-Making Based on An Artificial Intelligence Approach Scientific Talk
• Deep Learning and its Applications Scientific Talk
• Application of Artificial Intelligence in Graph Mining and Complex Network Analysis Scientific Talk
• Planning and starting Progress Event
• Git for Daily Works Workshop
• Fundamentals of CI/CD with Git Workshop
• IoT and Connected Cars Webinar
• How to Have a Good Interview Webinar
• The Art of Writing a Research Paper Webinar
• Artificial Intelligence: Applications and Challenges with An Enterprize Approach Webinar
• Training and Simulation of Graphene-Based Periodic Absorbent Structures in Comsol Engineering Software Workshop
• Project Management Frameworks: Scrum
• Training and Simulation of Nanoantenna Design in COMSOL Engineering Software Workshop
• The active presence of student committee students in Chapters, fifteen Committees and other parts of Iran Section
• Formation of Student Team Up
• Creation of international activities group
• Checking and helping to organize more than 50 events of student branches (such as Khajeh Nasir University of Technology, Hamadan University, Shahrekord University and so on).
• Cooperation in holding the Data Challenge event
• Revision of regulations for student awards
• Guidelines for supporting student membership to develop membership
• Revision of regulations of the Top Counselor Award
• Active participation in IEEEXtreme programming competitions
• Holding a meeting with the board of directors of all branches and counselors of the branches
• Compilation of regulations for the review of student conferences
• Active participation in District 8 meetings
• Participate and help organize the ITU Smart City and Internet of Things event
• Cooperation with the student scientific organization
• Support and design of the 12th virtual award ceremony of IEEE Iran Section
• Support and design of the 20th Annual Meeting with the Executive Committee of IEEE Iran Section and Student Branches’ Counselors
• Support and planning of the final meeting of Round Table for sustainable supply of electric energy, peak load 1401 (2022) and after
• Support and design of Key Concepts in Blockchain Technology webinar
• Support and design introduction of hyper ledger fabric network webinar
• Support and design of the call for elections of the Control Chapter of the Iran Section
• Support and plan for the call for elections of the Electromagnetism and Photonics Chapter of Iran Section
• Support and design of the call for elections of the Computer Society of Iran Section
• Support and design of the call for the election of the Power Electricity Chapter of Iran Section
• Support and design how to write a research paper webinar
• Support and design of How to Become a Senior Member of IEEE webinar
• Support and design for the development of solutions based on the Internet of Things in smart islands webinar
• Support and design the Future of the Internet of Things webinar
• Support and design of introducing IEEE and the Iran section webinar of the membership development committee
• Support and design How to Become a Senior Member webinar of the IEEE Promotion Committee

Affinity Groups
Young Professional Committee

Plans and Missions:
• Serve young professionals with tailored events and initiatives to encourage networking, career development, and leadership in their early careers.
• Providing instructive materials for IEEETV.
• Evaluate career goals, refine skills, and grow a professional network for young professionals.
• Provide professional development opportunities for Young Professionals and create the building blocks for lifelong and diverse professional networks.
• Making connections and holding meetings with different YP branches among region 8 universities.
• Bridge the transition of Student members to Section members and encourage recent graduates to stay IEEE member.
• Support the establishment of YP Groups helping identify volunteers and training them.
• Maintain an advisory relationship with the local YP Affinity Group and provide guidance such as, new initiatives or assistance in the procurement of funds for activities that support the objectives of IEEE.

Professional Activities Committee (PAC)

Professional Activities at IEEE Iran Section include:
• Holding meeting, talks, and conferences
• Designing and holding competitions and challenges
• Providing and expanding the networks
• Providing publications and contents
  – All focused on the non-technical aspects of technology careers
• The main purpose of these activities are summarized as:
  – Helping members of IEEE Iran section:
    • To reach the public
    • To develop an awareness of professional issues
    • To develop their professional skills like
    • Finding a job searching
    • Communications
    • Project management

Missions:
• Develop programs within the scope of professional activities
  – To provide additional value for members of IEEE in the Section
• Recruit volunteers to ensure the continuity of professional activities in the Section
• Promote professional interests of the Iran section members on their professional needs
• Encourage and support the sections in ensuring the professional growth of the members
• Work with others in the Region to encourage, develop, and nurture programs that stimulate interest in science, technology, engineering, and math of pre-college students and encourage their later participation in the IEEE.
• Coordinate the work to optimize the effectiveness of the professional activity interface with Region, state and local government entities.
• Encourage student branches to hold events to promote professional awareness.

Responsibilities:
As part of its role, Professional Activities Sub-Committee aims at reaching out to members and achieving the aforementioned goals by taking the following actions:
• Organizing workshops
• Funding attendance of speaker(s) in events organized by another IEEE Section
• Representing IEEE and its members at national/international levels
• Facilitating availability of PA-related resources through webinars, websites, etc
• Publicizing PA products and services through written material
• Attending PA-related IEEE Activities
• Enhancing the knowledge on the productions of PA-related materials

Two-year plan:
• Professional Activities Workshops from Industry
• Scientific Talks
• Inviting Entrepreneurs
• Providing Professional Contents

Ethics Committee
Two-year plan:
Main Objective: Attracting the attention of Professor/Students/Professionals to the ethics related challenges in the day to day science and technology activities in the country and promoting the IEEE code of ethics/IEEE code of conduct through the following plan of actions:
➢ Holding a Student Ethics Competition (SEC) event in this period
➢ Increasing the Public awareness to the ethical challenges by:
  ❖ Publishing Fluent Persian translation of these two codes carried out by the committee
  ❖ Ethics corner in the IEEE Iran Section Web site
  ❖ Posting ethics related notes/posters/video clips in IEEE Iran Section Social media
  ❖ Publishing brochures on Current ethical challenges of science and technology activities in Iran
➢ Holding Science & Technology Ethics workshops in IEEE events (conferences/seminars/gatherings, …)
➢ Holding discussion panels on Science and Technology Ethics in IEEE events
➢ Cooperation with Societies with common missions, like
  ❖ Iranian Association of Ethics in Science and Technology
➢ Activating the necessary organizations in the MSRT universities by contacting the respective authorities:
  ❖ Ethics Councils
  ❖ Forming the ombudsman entity in the universities (promoting the world’s best practices)

Standards Committee
Executive priorities
• The training of IEEE standards announced by Tavanir following the exchange of MOU
• Training of declaration standards by the first companion following the exchange of MOU
• The formation of a working group for the preparation of standards declared by Tavanir (Iran organization for Management of Electric Power Generation and Transmission)
• Cooperation with the National Standards Organization of Iran
• Introduction of a representative to be a member of the standards development committee in the National Standards Organization of Iran
• Cooperation in translation, editing and compilation of national standards related to electricity and computer
• Definition of the project for the preparation of national standards in the industry related to electricity and computer
Activities done by Standard Committee

- Identifying and introducing IEEE standards with high priority related to the power sector required in industries
- Identification and introduction of IEEE standards with high priority related to the electronics sector required in industries
- Identification and introduction of high priority IEEE standards related to the control sector required in industries
- Identification and introduction of high priority IEEE standards related to photonics and electromagnetics required in industries
- Identification and introduction of high priority IEEE standards related to photonics and electromagnetics required in industries
- Identifying and introducing IEEE standards that are essential in the field of ICT
- Preparation and arrangement and exchange of a Memorandum of Understanding entitled "Memorandum of Development and Promotion of IEEE Standards related to the field of activities of Tawanir Company" between Tawanir, Niro Research Institute and the IEEE Standards Development Committee
- Receiving Tavanir's requirements for training and developing standards and guidelines related to the electricity industry and planning for their training in line with the exchanged memorandum.
- Preparing and arranging a memorandum of understanding with the first partner company regarding the development and promotion of IEEE standards and other fields in the IEEE Iran Section

Conferences Committee

Mission:

- IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

Vision:

- IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized
- for the contributions of technology and of technical professionals in improving global conditions.

1. Guide and nurture innovation towards industry through extensive collaboration and knowledge sharing
   - Facilitate Iran Section conferences for industry related collaboration program
   - Inspiring the students and the youth for innovation
   - Promoting Industrial clinics and industrial panels in the conferences
   - Providing support to the conferences to increase the industrial impact on national and international researches
   - Providing opportunities to the conferences for knowledge sharing through IEEE Digital Library
   - Supporting industry related workshops at the conferences

2. Provide opportunities for career and professional development
   - Supporting IEEE Iran section conferences to organize student competitions
   - Organizing workshops at the conferences for professional development
   - Supporting industry related events at the conferences
   - Emphasizing Ethics in research and publications
   - Promoting Industrial Exhibitions and open days at the conferences
   - Providing professional panel discussions and workshops at the conferences

3. Extension of international science, technology and innovation collaboration
   - Promoting Iran Section conferences for industry related collaboration program
   - Inspiring the students and the youth for innovation through conferences
   - Promoting Industrial clinics and industrial panels in the conferences
   - Providing support to the conferences to increase the industrial impact on national and international researches
   - Providing opportunities to the conferences for international collaboration through IEEE Digital Library
   - Supporting industry related workshops at the conferences

4. Support life long learning and become a trusted reference for educational services and resources
   - Promoting plagiarism awareness at Iran Section conferences
   - Promoting IEEE code of ethics/conducts at Iran Section conferences
   - Inviting distinguished IEEE speakers at the conferences as a trusted reference for education and research
   - Inspiring IEEE members for life-long learning
   - Supporting IEEE members for trusted educational services and resources
• Providing opportunities to the IEEE members to meet distinguished lecturers at the conferences

5. Enhance public understanding of engineering and technology and pursue standards for their practical application
• Promoting IEEE Iran section conferences to enrich public awareness
• Supporting conferences to organize standard-related workshops and programs
• Organizing workshops at the conferences for professional training
• Supporting industry-related events at the conferences
• Enhance public understanding of engineering at IEEE Iran section conferences
• Providing professional panel discussions to pursue standards for their practical application

Activities done by Conferences Committee
• Carrying out basic changes and improvements on the page of the conference committee of the Iran section
• Changing the user interface on the conferences web page in order to improve the clarity of the procedures for registering and inserting conference information
• Implementation of the flowchart of conference registration procedures along with the required links
• Improving and updating the frequently used links page in order to clear ambiguities
• Activating the integrated internal communication system to improve and speed up the conference registration process
• Setting up an electronic payment system
• Update of approved conferences on the site of the IEEE Iran section
• Holding a meeting with the board of directors and representatives of Technical Chapters of Iran Section
• Providing advice to event organizers

Iran Section is the sponsor of many conferences during each year as well as some of the section members help to organize events.

Awards and Recognition Committee
IEEE Iran Section Awards Committee is one of the 17 committees of the Iran Section, which is responsible for managing the awards presented by the IEEE Iran Section. Also, the selection of the candidates for the awards of the IEEE Iran section is done by this committee, and the regulations of the awards are compiled and revised by the awards committee.

Two-Year Plan
• Annual evaluation of IEEE Iran Section Awards
• Reviewing and revising the regulations of the awards according to the feedback
• Examining the new proposed awards with names and compiling regulations and conditions for awarding the award
• Nominations of outstanding individuals for IEEE Region 8 Awards as well as IEEE Headquarter.
• Introducing section awards and award recipients
• Holding meetings and reporting to the board of directors and uploading in vTools
• Preparation and compilation of policies, financing, amount and quality of award

Upcoming Activities
• Call for awards in 2023
• Preparing and sending the award ceremony report to District 8 and the IEEE
• Preliminary and specialized examination of all candidates for 2023 with the cooperation of technical chapters
• Nominations of outstanding individuals for the IEEE Region 8 Awards as well as the IEEE.

This section includes examples of awards presented by the IEEE Iran Section to recognize IEEE members, non-members, firms, individual IEEE members, etc.

Lifetime Teaching Award and Lifetime Research Award
The IEEE Iran section “Research Award” & “Educational and Teaching Award” is presented to Individuals to recognize their outstanding contributions to the field of Electrical, Electronics, and Computer engineering. The main criteria and basis of judgment are:

- Seminal education of contribution,
- Outstanding research achievements
- The practical impact on technological development,
- Breadth and depth of theoretical,
- Industrial and technological contributions.

**Prof. Hakkak Award**
Innovative participation of the late Professor Mohammad Hakkak in improving the quality of telecommunication engineering research in Iranian universities and research centers, in the field of microwave antennas, wave propagation, microwave circuits, mobile telecommunications, satellite communications, and space technology. Prompted IEEE Iran Section to approve an award entitled the Research Award of Professor Mohammad Hakkak. This award is given to those researchers in the country who have worked extensively in scientific research in the fields of microwave antennas, wave propagation, microwave circuits, mobile communications, satellite communications and space technology.

**Prof. Jabehdar Award**
The enduring role of Professor Parviz Jabehdar Maralani in stabilizing and improving the quality of electrical engineering education in the country's universities led the IEEE Iran Section to approve an award called the Educational Award of Professor Parviz Jabehdar Maralani. This award is given to those faculty members of the country's universities who like him, have considered the sustainable development of electrical engineering through extensive scientific efforts over the years.

**Prof. Fakhraei Award**
The innovative participation of the late Professor Seyed Mehdi Fakhraei in improving the quality of digital engineering education and research in Iranian universities and research centers, in the field of microelectronics, digital systems, integrated circuits, and the realization of the telecommunication systems hardware, led to the IEEE Iran Section to award an award called the Research Award of Professor Seyed Mehdi Fakhraei. This award is given to those researchers in the country who have worked with extensive scientific efforts in the fields of microelectronics, digital systems, integrated circuits, and realization of the telecommunication systems hardware.

**Prof. Caro Lucas Award**
The innovative participation of late Professor Caro Lucas in improving the quality of artificial intelligence and robotics education and research in Iranian universities and research centers, in the field of control and intelligent systems, led IEEE Iran Section to approve an award entitled the Caro Lucas Research Award. This award is given to those researchers in the country who have worked in such research fields with extensive scientific efforts. Based on the evaluation and recognition of the jury, this award is given annually to a researcher in the field of artificial intelligence and robotics with the most outstanding performance.

**Industry Awards**
- **Industry Veteran Engineer Award**
  Veteran industrial engineer is one of the most important assets of the country that can play a role in line with the goals of the country's development programs by relying on the huge capital of specialized manpower. This facilitates the transition from a resource-based economy to a knowledge-based and resilient economy. In this way, his/her valuable experiences will be provided to the young generation of the country. To this end, every year, the IEEE Iran Section Industrial Relations Committee awards the Veteran Engineer of the Year in the field of electrical and computer engineering in recognition of valuable and effective efforts.

  - **Top Entrepreneurs Award**
    "Entrepreneurship" is a process through which the entrepreneur, while identifying opportunities through innovation and risk acceptance, creates new value in the economic or social spheres and plays an important role in the growth and development of the country due to the changes and transformations that he/she creates in conventional practices. In fact, entrepreneurship is one of the most important strategies that can help the country's development goals in line with the policies of the country's development programs, relying on the huge capital of specialized manpower and the transition from a resource-based economy to a knowledge-based economy. To this end, every year, the IEEE Iran Section Industrial Relations Committee awards the Best Entrepreneur Award in the field of electrical and computer engineering industry in recognition of the valuable and effective efforts of the entrepreneur.

**Young Investigator Award**
The IEEE Iran section Young Investigator Award is given to honor young Iranian scientists under the age of 40, who have made significant contributions (Research and Educational) to the field of Electrical, Electronics, and Computer engineering in Iran. This award is given annually and considers the activities of the nominee during the past 5 years before the award nomination.

**Women in Engineering Award**

In order to honor prominent women in universities, research centers, the field of industry, and entrepreneurship, eligible individuals will be nominated by prominent professors or specialists in these fields in accordance with the conditions for receiving the annual Women in Engineering Award.

**Student Activities Committee Awards**

In order to encourage undergraduate, postgraduate, and doctoral graduates, counselors, and student branches, and to honor their efforts in promoting and excelling the scientific position of the country, the IEEE Iran Section annually awards prizes to these groups as the following:

- **Outstanding Student Branch Counselor**
- **Best Ph.D. Thesis Award**
- **Outstanding Ph.D. Thesis**
- **Best M.Sc. Thesis Award**
- **Outstanding M.Sc. Thesis**
- **Best B.Sc. Thesis Award**
- **Outstanding B.Sc. Thesis**
- **Best Student Branch Award**
- **Student Branch Excellence Award**

**WiE**

**Mission & Vision**

- Expanding the WIE network by collaborating with similar scientific and industrial groups and associations such as the Association of Women Entrepreneurs, Iranian Women in Photonics, Women in AI, Academy of Science Women in Engineering, etc. in order to hold webinars, workshops, internships, etc.
- Expanding WIE network representatives in various universities, research institutes and 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 introduce WIE objectives, and hold empowering workshops and side meetings by inviting scholars and experts from academic, industry and research institutes.
- Plan for webinars, virtual and online workshops and presentations by inviting a broad spectrum of experts in education and industry.
- Expanding international communications to interact and collaborate with other WIE committees worldwide, especially in Region 8, to exchange experiences and to promote the potential and expertise of Iranian women in related international events.
- Identifying and disseminating information related to the WIE members’ achievements via the website of the IEEE Iranian branch and Region 8 Newsletter.
- Indicating the methodology of executing WIE’s objectives in universities and industry 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. The 118th IEEE Region 8 Hybrid http://april-2022.ieeer8.org/ Committee Meeting Warsaw, Poland, 1-3 April 2022
- Setting up the WIE membership site or via other social networks and WIE members database in order to facilitate future interactions and communications with them.
- Examining how to promote the effective and competent presence of women in the area of technology and engineering science, especially in Electrical and Computer Engineering.
- Encouraging and promoting young students (especially WIE members) to achieve leadership positions in the industry by arranging and organizing enrichment events and workshops.
Activities done by WiE
- The WiE Committee of Iran Section and the Women's Unit of the Ministry of ICT are planning joint events through MoU, which the first joint event is in the field of artificial intelligence.
- Holding regular meetings of the Women in Engineering Committee
- Round table meeting with entrepreneurs
- Launching podcasts of leading women
- Webinar about data science
- Fake news detection webinar
- Familiarization with Fazoor Webinar
- TBD Webinars
- Machine vision workshop
- Deep learning workshop

Chapters
Currently, we have 8 active Technical Chapters as follows:
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
7) Computer Society
8) Electronics Chapter

Activities done by Technical Chapters
- Quantum Communications Networks: Opportunities and Challenges Scientific Talk
- Call for Control Chapter Elections
- Call for Electromagnetic and Photonic Chapter Elections
- Call for Computer Society Elections
- Call for Power Chapter Elections
- Call for Electronics Chapter Elections

Industry
Industrial Relations Committee.
IEEE Iran Section elects the chair of the Industrial Relations Committee every two years. Dr. Mohammadreza Pakravan is in charge of the 2023-2024 term

Industry Mentorship
- Job Site is a place for those who are in need of mentorship, have any questions and any help for career design and opportunities. We are trying to connect expert people (with high experience from well-known companies/trade unions such as the Iranian Telecommunication Industries Syndicate) to individuals which are in need of consult.
- IEEE Iran Section IRC is formed of top, well known and highly experienced industry individuals as well as active students/volunteers who are available for helping and consulting section student members in their relevant fields

Engagements with Companies
Our active industry partnerships are well-known companies/trade unions in the country which have been mentioned already in our reports however they are listed as follows:
Entrepreneurship
Participation of industries to request the need for training in relevant standards
Participation of industries to hold the Smart Data Challenge

Internship Opportunities and Student Oriented Activities

- We have 50 internship opportunities this year, some of them are now active as full-time employees in top companies in the country
- Our Communication with students is through Iran Section website so that every content related to is industry will be stored and published is available in the Industrial Relations Committee page. Also, we have lunched a place for job opportunities as Job Site, https://jobsite.ieee.org.ir/. Job Site is for those who are seeking for job opportunities and also companies which have a job offer/opportunity (employer and employee)
- Support for Amirkabir University of Technology CoOp project
- The Industrial Relations Committee page is active and available on the Iran Section website. All content related to the industry will be stored and published through our web page. Also, we refer to the published content via all section/student branches and social media to make the content available to students and the public faster and easier.

Activities done (or contributed) by IEEE Iran Section IRC

- Participation in IEEE Region 8 MENA Section Industry Ambassador Virtual Meeting
- Participation of IRC Past Chair Eng. Hossein Riazi as the head of the Industrial Relation and Exhibitions committee at the 6th International Conference on Millimeter-Wave and Terahertz Technologies (MMWaTT) is organized by K.N. Toosi University of Technology
- Git for Daily Works Workshop
- Fundamentals of CI/CD with Git Workshop
- IoT and Connected Cars Webinar
- How to Have a Good Interview Webinar
- Project Management Frameworks: Scrum
- Sending committee report to Region 8 AFI
- Liaise with other committees and affiliated groups to increase interactions
- Encourage and promote industrial people and active organizations to cooperate voluntarily with the IEEE Iran Section
Activities since the last report

- Competition in The Field of Persian Language and Script Perception: Persian Text Analysis in Social Networks
  In recent years, one of the challenges and basic issues of the general products and services that can be provided in the virtual space of the country is natural language processing and the challenges of calligraphy and Persian language. In other words, these services face limitations such as the lack of bodies and data sources and the lack of infrastructure tools with the necessary quality and standards.
  One of the ways to provide quality products is to establish a system of evaluation and validation of tools, products and services in the field of calligraphy and Persian language, so as to provide a mechanism to encourage people to produce better products while providing the infrastructure, platforms and benchmark data required for it. To be In this regard, in the ParsiAzama laboratory, with the aim of promoting and improving Persian language and calligraphy products and services, it intends to solve the real problems and challenges of the country's native services by identifying capable people and using their creative ideas in a healthy competitive environment.

- Ideation on Generative Artificial Intelligence for Women:
  In recent years, artificial intelligence technology has provided the field for various economic activities in the world. Iranian women have also played a role in this field, most of which can be attributed to the graduates of artificial intelligence and related fields. Nevertheless, considering the high potential of ideation in the field of productive artificial intelligence in various applications, we can always expect to encounter new ideas in this field that can lead to the creation of a significant market and income generation. The Artificial Intelligence Development Center of the Communication and Information Technology Research Institute, in cooperation with the Women's Affairs of the Ministry of Communication and Information Technology, and also by using the capacity of the IEEE women's section in Iran, aims to empower women who, despite having a high potential for generating ideas in the field of artificial intelligence, are productive for economic activities. artistic and research, due to family responsibilities, they have not been able to operationalize this potential. In order to hold the event as well as possible and to make appropriate educational and leadership planning possible, it is necessary to identify these women and their areas of interest in the first step of this event, so that based on that, in the next steps, they can be trained, empowered and hold a The operational event of implementing the idea in order to create economic, artistic and research activities with the use of productive artificial intelligence models should take necessary measures.

**Goal of the event:** Acquainting and empowering female students and graduates of computer science, computer science and especially artificial intelligence with the opportunities of economic activity based on productive artificial intelligence makes it possible to independently of conventional employment structures, along with the important responsibilities of wifehood and motherhood, knowledge-based economic activity and generate income from their knowledge and expertise and play a role in the development of the country's digital economy. Holding this event in a virtual/in-person manner, for a large part of its audience, who are young girls and expert women living in cities far from the capital and without the possibility of growth and flourishing of knowledge-based ideas, provides the opportunity to carry out scientific and research activities with the aim of earning money.

- 7th Conference on Organizational Architecture Advances in Iran:
  National Conferences on Advances in Enterprise Architecture are being held annually since 2017 with the cooperation of enterprise architecture laboratories located in universities across the country and with the support of public and private organizations and companies, with the aim of creating a platform for presenting and exchanging the latest research, educational and experimental achievements of researchers, specialists, students and stakeholders in this field. The first conference was held at Shahid Beheshti University, the second at Shiraz University of Technology, the third at Sharif University of Technology, the fourth at Tehran University, the fifth at Ferdowsi University of Mashhad and the sixth conference at Shahid Beheshti University.
  The seventh conference, focusing on the "Enterprise Architecture and Digital Governance" will be held on 15 and 16 November 2023, hosted by the ICT Research Institute. All public and private organizations and companies, universities and institutes of higher education, researchers, specialists and all activists and enthusiasts in the field of enterprise architecture are invited to participate in the conference and its side events, to accompany us and share their research, experiences and opinions.

- Obtaining 2021 Region 8 Outstanding Medium Section Award at the Cairo IEEE R8 Committee meeting for delivering excellent services to its members.

- Developing the section strategic plan. This plan is one of its kind for clarifying the section roadmap by providing duties to all section. Our action plan is include of:
  - Guide and nurture innovation towards industry through Extensive Collaboration and Knowledge Sharing.
  - Provide opportunities for Career and Professional Development
  - Extension of International Science, Technology and Innovation Collaboration
Supporting lifelong learning and becoming a trusted Reference for Educational Services and Resources

- Enhancing Public engineering and technology and pursuing standards for their Practical application

- Memorandum of Understanding (MoU) between IEEE Iran Section and ICT Research Institute which will be described more in below topics.

- Open Data Hackathon 2022. The detail of this event can be found in below.

- We have started a project for defining the section Timeline which provides all section events during a year. The project helps all units to plan more precisely as well as members, students and branches and the outside community become aware of all section events.

- Holding elections for the new term based on the new statute

- Presenting the progress report of the committees, chapters and affinity groups related to the Iran Section

- Preparation of a Manual for holding workshops

- Informing the Iran section awards in social media and following up on sending the documents of the participants

- Compilation of IEEE and Iran Section Introduction booklet

- Evaluation of the candidates for the Iran section awards

Planned activities

- Developing section strategic plan
- Promotion of activities in international cooperation (participation in 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 and scientific associations
- 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 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 mentioned in our previous reports, we are facing the following issues:

- 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), Future 50, etc. are not available for our members so they cannot take benefit from such a program which causes loss of motivation in the members. We believe that if some programs become available for our members it will motivate our students and members to interact more with IEEE and its benefits
Pictures

Picture 1. Photo of the Executive Committee, January 4, 2023 - announce the election results

Picture 2. 2021 Region 8 Outstanding Medium Section Award at the Cairo IEEE R8 Committee meeting
استاد احمرضا شرافت
استاد، گروه مهندسی برق - مخابرات
دانشکده مهندسی برق و کامپیوتر، دانشگاه تربیت مدرس

تحصیلات و سابقه علمی

- کارشناسی مهندسی برق، دانشگاه صنعتی شریف (۱۳۵۲)
- کارشناسی ارشد و دکتری مهندسی برق، دانشگاه استنفورد کالیفرنیا (۱۳۵۴ و ۱۳۵۹)
- عضو ارشد ماده الکتریکی IEEE (سال ۲۰۱۷ و ۲۰۱۸)
- عضو مدیر فرهنگستان علوم ایران (از سال ۱۳۹۱ تا کنون)
- رئیس اتاق فکر هوش مصنوعی فرهنگستان علوم ایران (از سال ۱۳۹۰ تا کنون)
- نائب رئیس، گروه مشاوره توسعه ارتباطات (TDAG)
- نائب رئیس، کنفرانس جهانی توسعه ارتباطات (۱۳۹۱)
- تالیف ۴ کتاب در زمینه مخابرات
- ثبت ۱۲ اختراع
The 121st IEEE Region 8 Committee Meeting

http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023
به پژوهشی استاد مهدی حکاک

استاد مجمعیه نماینده گلاری
استاد گروه مهندسی مکانیک
دانشکده مهندسی برق دانشگاه صنعتی شریف

تحصیلات و سابقه علمی
- کارشناسی و کارشناسی ارشد مهندسی برق دانشگاه صنعتی اصفهان (1364 و 1365)
- دکترای مهندسی برق دانشگاه علوم و فناوری اصفهان (1371)
- انتشار آثاری بیش از 25 مقاله در مجلات و کنفرانس های مختلف بین‌المللی
- سرمایه‌گذاری ارزش 20 ساله درکتیو هنری بیش از 5 پایان نامه کارشناسی ارشد
- اساتید برای مهندسی منابع فرهنگستان اولوم در سال 1392
- پژوهشگر برتر دانشکده مهندسی برق دانشگاه صنعتی شریف در سال 1389
- اساتید برتر دانشکده مهندسی برق دانشگاه صنعتی شریف در سال 1384
- اجرا یاری از 10 طرح تحقیقاتی
The 121st IEEE Region 8 Committee Meeting

http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023

Women in Engineering Award
The 121st IEEE Region 8 Committee Meeting

http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023
The 121st IEEE Region 8
Committee Meeting
http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023

Prof. Jabelehdar Award

Congratulations to Professor Jabelehdar on receiving the Prof. Jabelehdar Award for his outstanding contributions to the field of electrical and computer engineering. His research and leadership have significantly advanced the state of the art in these areas.
چاپ روزهای استاد کارلوس

استاد محمد باقر منهج
استاد غیر مهندسی مرق- کنترل
مادمارکه مهندسی زن- دانشگاه صنعتی اسفراین

تحصیلات و سوابق علمی

- دکتری مهندسی نرم‌افزار، دانشگاه اسلامی، آمریکا (1371)
- میزبانی کنترل در 35 نسخه کنترل
- 30 بیان دانشگاه کارشناسی ارشد
- 12 مقاله در زمینه های مختلف: ژستیک، ترکیب، سیستم های کنترل
- انتشار بیش از 100 مقاله و پژوهش در مجلات مختلف: مجله انتشارات، کنفرانس های مختلف
- انتخاب به عنوان دانشمند نومنه از سوی موسسه ای، در سال 1382
The 121st IEEE Region 8
Committee Meeting

http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023
The 121th IEEE Region 8 Committee Meeting
http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023

28
The 121st IEEE Region 8 Committee Meeting

http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023
دکتر هیمن گل پیا
دانشیار، گروه مهندسی برق - قدرت
دانشگاه مهندسی برق و کامپیوتر، دانشگاه کردستان

تحصیلات و سوابق علمی

- کارشناسی مهندسی برق، دانشگاه کردستان (1387)
- کارشناسی ارشد مهندسی برق، دانشگاه تربیت مدرس (1389)
- دکتری مهندسی برق، دانشگاه تربیت مدرس (1394)

انتشار کتاب "Renewable Integrated Power System Stability and Control"
Wiley - IEEE Press

توسط انتشارات

انتشار و ارائه بیش از 40 عنوان مقاله در مجلات و کنفرانس‌های معترف بین المللی

اجرا 4 طرح تحقیقاتی

هدايت بیش از 10 پایان نامه کارشناسی ارشد

ثبت اختراع "شیب‌های ساز ترم طراحی ماشین"
Picture 3. The 13th IEEE Iran Section Awards Ceremony
Picture 4. Photo of the Open Data Hackathon 2022 final meeting

Picture 5. Sign and exchange of the MoU by Dr Seyed Mohammad Razavizadeh, head of the ICT Research Institute (right) and Prof. Vahid Ahmadi, the chair of IEEE Iran-Section (left)
The 121th IEEE Region 8 Committee Meeting

http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023

Picture 6. IEEE Iran Section Progress Event
پژوهشگاه ارتباطات و فناوری اطلاعات یا همکاری نخست ایران IEEE برگزاری می‌کند:
جاذب توسه سرویس متنی بر داده‌های باز

یک‌هزار و دویست و سومین نهایی: ۲۰ از ۲۷ ماه آبان ۱۴۰۰
برگزاری داوری و کنکور تفکر: نهایی: ۲۰ از ۲۷ ماه آبان ۱۴۰۰

جذابت ویژه از طرح‌های برگزیده و دارای ارزش کسب و کاری‌ها در جوهر‌های "ارتباطی" و "بولي و باکی"،

به‌منظور اجرای و برنامه‌ریزی برای انتخاب و استفاده مناسب از انواع توسه‌های گزارش‌های خدمات بیشتر تاکید گردیده.

همچنین صاحب‌نظر در بستر داده‌های نهایی، بخش دو و سه کسب و کارهای جدیدی با بهره‌وری از اجرای آن‌ها، انتخاب شده،

فاز اول با رویکرد بهترین مدل‌سازی، بهترین مدل‌سازی و بهترین مدل‌سازی بهترین مدل انتخاب شده.

جهت دانش‌پژوهی، کارگری‌های ویژه از طرف این پروژه برگزاری اطلاعات، بررسی و تحقیقات انجام شد.

کد: MTN ۰۹۹۸۹۹۸۶۷۰۶۶

Picture 7. Open Data Challenge 2022
نوبت و راه اندازی
رسم مدار در محیط شبیه‌ساز
انواع شبیه‌سازی مداری
نواحي شبیه‌سازی مداری
نمایش نتایج
نمودار

کارگاه رایگان

زمینه برگزاری:
دوشنبه ۱۲ تیرماه ۱۴۰۲ ساعت ۱۵ تا ۲۰
شرکت در دوره رایگان است ولی تیم نام لازم است
ثبت نام:
https://forms.gle/X86t8AC11EM6Yqsf9
شرکت در ادوری:
http://ims5.srbiau.ac.ir/ads-2023/

محوری و مدرس کارگاه: دکتر بهراد محبوبی (عضو هیئت علمی گروه بر ق و رئیس مرکز تحقیقات شبکه)
راهنی ارتباطی: جهت شرکت در کارگاه:
تلفن ثبت نام کارگاه ها: ۹۰۸۸۳۳۶۵۸
کانال تلگرامی کارگاه ها: @workshops_networkrc
شناسه مدیر کارگاه ها: @Nastaran_Noorivatan
دوره آموزشی شیبه سازی مدارهای الکترونیک قدرت با سیمولینک (همراه با ایجاد اصول تنویع الکترونیک قدرت)

@ieeebzteinfo

با اعطای کواهی از
IEEE BZTE Student Branch

مهلت ثبت نام: 20 اردیبهشت 1402
شروع دوره از 21 اردیبهشت (4 جلسه)

آگاهی

130 هزار تومان

ارائه: با همکاری اتحادیه انجمن های علمی دانشجویی مهندسی برق ایران برگزار می‌گردد

مدرس: مهندس هما زارعی زهدی

کارشناسی ارشد مهندسی برق

مدرس دوره های آموزشی تخصصی

نویسندگی مقاله‌های علمی

برگزیده بنیاد ملی نخبگان

سر فصل های دوره

ارائه تمرینات الکترونیک قدرت

توضیحات کلی مدل های الکترونیک قدرت

در مورد و شبیه سازی بکسوساز ها

معرفی و شبیه سازی ابزار ها

معرفی روش‌های کنترل مدل‌های الکترونیک قدرت

بررسی کاربرد الکترونیک قدرت

و....
دوره صفر تا صد مشتق وانتگرال

با تدریس: مهندس رضا مهاجری

- فارغ التحصیل رشته مهندسی برق از دانشگاه تبریز
- دانشجوی دکتری تخصصی مهندسی برق از دانشگاه محقق اردبیلی
- پژوهشگر مرکز تحقیقات مدیریت انرژی دانشگاه محقق اردبیلی

این دوره در روز های ۱۳۹۲.۱۲.۱۳ از ساعت ۱۸:۰۰ تا ۲۰:۰۰ به صورت غیر حضوری برگزار می‌گردد.

هزینه ۳ جلسه: ۶۰ هزار تومان

جهت ثبت نام و کسب اطلاعات بیشتر با ما در ارتباط باشید، ۰۸۱۹۵۷۷۷۳۴۷
The 121st IEEE Region 8 Committee Meeting
http://august-2023.ieeer8.org/
Ottawa, Canada, 11 August 2023

 دوره گیرندههای بهسادی رادیویی (RF)

دکتر انصاری قاسمی
دانشجوی مهندسی مخابرات می‌داند و موج دانشگاه
تربیت مدرس، با ۱۰ سال سابقه حرفه‌ای

سرفصل های دوره (8 جلسه):

۱) آشکاری با گیرندههای سوپر جدید
۲) آشکاری با پارامترهای گیرنده و استانداردهای طراحی
۳) معرفی مانه‌های مهم در گیرنده
۴) بررسی دیتاشیت الکترونیکی و معرفی شرکت‌های معروف تولید کننده
۵) شبیه‌سازی مقدامتی در نرم‌افزار ADS

شماره دیجیتال

ASA@TMU_IEEE

Linkedin: tmu-ieee-student-branch

@TMU_IEEE

Instagram: IEEE_TMU
سلسله نشست گفتگو با مهندسین جدید در صنعت برق و الکترونیک

موضوع جلسه:
ترسیم نقشه راه برای مهندسین صنعت الکترونیک

ساعت 13:00 از 13:30

برای ورود به صنعت الکترونیک از کجا شروع کنیم؟
چه توانمندی هایی جهت ورود کنزن است؟
بررسی تحولات و تولیدهای جدید و آینده صنعت الکترونیک؟

شرکت در این ویژگی برای عموم آزاد و رایگان است

@TMU_IEEE
@ReadyBoard

www.evand.com
دبورتیان مهارت های کاربردی برق و کامپیوتر با همکاری شاخه IEEE در دانشگاه علم و فرهنگ برگزار می‌کند

مدرس
مهندس سامانه‌ساز
Embedded system developer
کارشناسی ارشد مهندسی برق
دانشگاه علم و صنعت

دبورتیان مهارت های کاربردی برق و کامپیوتر با همکاری شاخه IEEE در دانشگاه علم و فرهنگ برگزار می‌کند

مدرس
مهندس سامانه‌ساز
Embedded system developer
کارشناسی ارشد مهندسی برق
دانشگاه علم و صنعت
ولین نشست کارآفرینانه و انگیزشی

سخنرانان: حسن فرهادی و حسین فرهادی (کارآفرینان صنعت برق و موسسین هلدینگ ماهر اصفهان)

صندوقی معتبر از دانشکده فنی و حرفه‌ای پرسن شهرکرد و موسسین هلدینگ ماهر

تاریخ برگزاری: ۱۰/۱/۱۴۰۰ ساعت ۳:۰۰ تا ۱۱:۳۰

محل برگزاری: سالن آمفی تئاتر

https://survey.porsline.ir/s/UKi74kH

جهت مشاهده هایی برای شماره دهل تماشای بکر

(k)
همراه با اعیان دکتر از سامان فی و جوادی و دکتر علی نژادی

جهت مشاوره رایگان، ثبت نام و کسب اطلاعات بیشتر به شماره 09396377777 در پیام دهید و با QR کد مقابل اسکن کنید.
دوره مقدماتی و پیشرفته آلتیوم دیزاینر (Altium designer)

مدرس: مهندس علی یاشایی
مدت دوره: 20 ساعت به صورت آنلاین
زمان: دوشنبه و یونشنبه هر هفته، شروع دوره 22 تیر
با ارائه گواهی معیار از شاخص IEEE دانشگاه تربیت مدرس
شهریه: دانشجویان 450, شهریه آزاد 800 هزار تومان

http://tmu.ieee.org.ir
@TMU_IEEE
کارگاه صفر تا صد پردازش ایده تاثیت اختراع
ویژه تمامی رشته‌ها، گرایش‌ها و مقاطع فنی مهندسی: اساتید و دانشجویان

سرفصل‌ها:
- لیست چه کسی؟ چه زمان؟ این کلینیک؟
- به همراه مشارکت راگلی به مدت چه‌گونه؟
- tmu-ieee-student-branch
- instagram.com/ieee_tmu
- @TMU_IEEE

جای گرفتن و کسب اطلاعات بیشتر به آیدی تلفن ۹۷۴ مراجعه فرمایید. @Leilaa_974
دیپارتمان مهارت های کاربردی برق و کامپیوتر با همکاری شاخه IEEE در دانشگاه علم و فرهنگ بر گزار می‌کند

دوره آنلاین جنگو

مدیر
مهندس روزان جریان
Django Developer

بهبود مدیریت شرکت آوای توآوری کوروش

سه شنبه‌ها
ساعت ۹ تا ۱۲
طول دوره: ۳۶ ساعت
شرح دوره: ۲۷ تیر
شهریه: ۷۰۰ هزار تومان
شهریه ثبت نام تا ۴ تیر: ۶۵ هزار تومان

ASEC_USC_1401

ASEC_USC_1401

USCPEC IR
دیارتمان مهارت های کاربردی برق و کامپیوتر
همکاری شاخه IEEE در دانشگاه علم و فرهنگ برگزار می‌کند
آشنایی با جنگو و بزار کار آن

سخنران
مهندس روزان جلالیان
Django Developer

رئیس هیئت مدیره شرکت آوای نوآوری گروه

زمان برگزاری
جمعه ۱۹ خرداد
ساعت ۱ صبح

سیرفصل ها:
مسیرهای برنامه نویسی
وب
دلیل بزار کار و ب
جنگو و مزیت های آن

(۵)
مبانی روش‌های مکانیابی

از سری دوره‌های مرکز تحقیقات شبکه‌های مخابراتی، کامپیوتری و صنعتی دانشکده مکانیک، برق و کامپیوتر

روش‌های مختلف مکان‌بایی

روش‌های مختلف حلق مکان‌بایی

إصول مکان‌بایی مبتنی بر ماهواره

GPS

مکان‌بایی مبتنی بر ماهواره

فناوری‌های دیگر مکان‌بایی

ماهواره‌ای

تراکم‌های، کامپیوتری و صنعتی

زمان برگزاری: روز چهارشنبه ۳ خرداد ماه ساعت ۱۶ الی ۲۰
شرکت در کارگاه رایگان است اما تهیه آن را تضمین نمی‌کنیم.
ثبت نام از طریق:
https://forms.gle/KwHxc7Jx7DuGFvDv7
لیمک ایندی کالکت ورود به کارگاه:
http://lms5.srbiau.ac.ir/gnss/

معمیر و مدیر دوره: دکتر بهزاد محمودی

(عموم‌های علمی گروه برق و رئیس مرکز تحقیقات شبکه)

راه‌های ارتباطی جهت شرکت در کارگاه:
تلفن تماس: ۰۹۱۲۳۴۵۶۷۸۹
@workshops_networkrc
@Nastaran_Noorivatan

(t)
جادویی جادی
مرور سریع پایتون و نوشتن به زبانه عجیب!
شنبه ۶ خرداد ۱۴۰۲
ساعت ۱۰:۳۰ الی ۱۵:۳۰

محرر برگزاری:
سالن همایش های دانشگاه مهندسی برق
تهران، سید خندان

youtube: JADI

آرزوی نمایش دادن موجودی
IEEE دانشگاه صنعتی خریiation کردن کد نوین طراحی

اطلاعات بیشتر از وب‌سایت:
HTTPS://EVAND.COM/EVENTS/IEEE-JADI

@IEEEKNTU
KNTU.IEEE.ORG.IR

SCAN ME
Picture 8. Student Activities
Picture 9. Competition in The Field of Persian Language and Script Perception
Picture 10. 7th Conference on Organizational Architecture Advances in Iran
Call for the initial step: event for “Ideation on Generative Artificial Intelligence for Women”

Objective
The event aims to acquaint and empower female students and graduates in computer science, computer-related fields, and particularly artificial intelligence (AI), by offering opportunities for economic activities based on generative AI. It provides them with the chance to participate in knowledge-based economic activities and to generate income through their expertise, irrespective of conventional employment frameworks. Additionally, it enables them to contribute to the development of the country’s digital economy, while balancing their important responsibilities such as marriage and motherhood. Organizing this event, whether virtually or in-person, provides an opportunity for a significant portion of its target audience, namely young girls and professional women residing in non-metropolitan areas who lack the resources for the growth and flourishing of their knowledge-based ideas. It enables them to engage in scientific and research activities with the aim of income generation.

Event Description
In recent years, AI technology has provided a foundation for various economic activities worldwide. Iranian women have also played a significant role in this field, particularly the ones graduated in AI and related disciplines. Nevertheless, the high potential for innovative ideas in generative AI across various applications, there is always the expectation of encountering novel ideas in this domain that can lead to the creation of new markets and significant income generation. Center of Development of AI (CDA), in ICT Research Institute, in collaboration with the Women’s Affairs Department of the Iranian Ministry of Information Communications Technology (ICT), leveraging the capacity of the Women in Engineering (WIE) Committee of IEEE Iran Section, aims to empower women who possess a high potential for ideation in the field of generative AI. These women, due to their familial responsibilities, have not had the opportunity to operationalize this potential in economic, artistic, and research activities. In order to organize the whole event in the most possible way and to facilitate appropriate training and directing the target population, it is important to identify these women and their areas of interest in the first step of this event. This identification will serve as the basis for subsequent steps, including training, empowerment, and the implementation of practical activities aligned with the creation of economic, artistic, and research endeavors using generative AI models.

Stages

- **Call for receiving of areas of interest**
- **Receiving participants’ areas of interest and capabilities**
- **Planning for essential trainings and selecting interested areas of interest**

Important dates
- Registration and declaration of areas of interest: From May 22, 2023 until June 6, 2023
- Planning for trainings and selection of preferred areas of interest: From June 7, 2023 until June 21, 2023
- Announcement of the schedule for the second phase: June 22, 2023

The second phase will consist of training, directing, supporting, and fulfilling the requirements for implementing ideas.

Main areas
The call includes the utilization of generative AI to facilitate economic, artistic, and research activities in the following areas:
- E-commerce and online sales
- Health and wellness
- Media and content production
- Art and handicrafts
- Family and parenting
- Tourism
- Transportation
- Education
- Environment
- Entertainment
- And more

Picture 11. Ideation on Generative Artificial Intelligence for Women