Egypt Section

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

List of Student Branches (SB) in your Section:

1. October High Institute for Engineering & Technology
2. Al-Azhar University - Faculty of Engineering
3. Benha University - Benha
4. Institute of Aviation Engineering and Technology
5. Arab Academy for Sci Tech & Maritime-Smart Village
6. Ahram Canadian University
7. Galala University
8. Suez Canal University
9. Zagazig University
10. Arab Academy for Science Tech & Maritime Transport
11. October 6 University
12. Tanta University
13. October University for Modern Sciences and Arts
14. Benha University
15. German University in Cairo
16. South Valley University
17. Nile University
18. British University in Egypt
19. Helwan University Faculty of Computer & AI
20. Arab Academy for Sci Tech & Maritime Trans-Cairo
21. Pharos University in Alexandria
22. Fayoum University
23. Kafrelsheikh University
24. Modern Academy for Engineering and Technology
25. Future University in Egypt (FUE)
26. Mist University for Science & Technology
27. Egypt-Japan University of Science and Technology
28. Port Said University
29. Aswan University
30. Akhbar El-Yom Academy
31. Arab Academy for Sci Tech & Maritime Trans-Aswan
32. Sohag University
33. Canadian International College (CIC)
34. El-Gazeera Higher Institute of Engineering & Tech
35. Higher Institute of Engineering and Technology
36. Helwan University - Mataria
37. Heliopolis University-Cairo
38. Suez University
39. Al-Safwa High Institute of Engineering
40. Egyptian Chinese University
41. Knowledge Hub Universities
42. Damietta University
43. Badr University in Cairo
44. Horus University-Egypt
The newly formed SBs
1. Obour Computer Science High Institute
2. Higher Inst of Eng and Tech, New Damietta

List the student meetings held and Section activities addressed to Students and Young Professionals.

1. **IEEE Egypt Ramadan IFTAR**
   - IEEE SAC Egypt Organized the 2023 Iftar which hosted by IEEE NU SB. This event brought together IEEE Egypt Members from across Egypt for an evening of camaraderie.
2. IEEE PES Day Egypt Section
   - Thanks to the dedicated efforts of IEEE Egypt Student Ambassadors and the diligent follow-up by IEEE SAC Egypt, the country celebrated IEEE PES Day three times this year. The first event, hosted by IEEE Horus Student Branch, covered more than eight universities in the Delta region. The second event took place online, bringing together universities in the Cairo region. The third and final celebration was a grand gathering for all IEEE Egypt Student Members, hosted by IEEE New Giza Student Branch. This triple success underscores the commitment of the IEEE community in Egypt to promoting knowledge and collaboration in the power and energy sector.

3. IEEE Xtreme Egypt
   - The IEEE Egypt Xtreme Ambassadors achieved remarkable success this year, hosting the event with 272 competitors. Impressively, 12 teams from Egypt secured places in the top 100 globally, marking a significant achievement for the IEEE Egypt Xtreme community. This accomplishment reflects the dedication and talent of the participants, showcasing Egypt's prowess in the global programming landscape.

4. IEEE Day Egypt Section
   - Under the diligent follow-up of the IEEE SAC Egypt team, coupled with the dedication of IEEE Day Ambassadors and volunteers from IEEE New Giza, the IEEE DAY Egypt 2023 event unfolded seamlessly. More than 400 IEEE student volunteers from over 35 universities across Egypt came together to make this celebration a resounding success. The event not only showcased the unity and enthusiasm within the IEEE community but also highlighted the impactful role of IEEE in bringing students together for a memorable experience.
5. **IEEE Egyptian Student Paper Contest**
   - Since introducing the IEEE Sectional Student Paper Contest program in 2018, IEEE SAC Egypt proudly launched the first-ever Egyptian Student Paper Contest. Hosted by IEEE AAST Student Branch, this initiative saw active participation from 18 universities. The inaugural edition garnered positive feedback, highlighting the commitment and academic excellence of IEEE Egypt members. This contest signifies a significant stride in promoting research and scholarly achievements within the IEEE community in Egypt.

6. **IEEE R8 Entrepreneurship Egypt – Let's Embark Event**
   - IEEE BUB Student Branch, along with its Ambassador, demonstrated outstanding entrepreneurship prowess, clinching both the IEEE R8 Entrepreneurship Best Ambassador and Event Award.

7. **IEEE R8 SAC Workshop**
   - During the visit of IEEE Region8 SAC team to Egypt, IEEE SAC Egypt collaborated with IEEE BUB Student Branch to organize an insightful workshop. The session, facilitated by Region8 SAC members, provided valuable knowledge and insights into the activities of IEEE.
8. **Valeo Roadshow**
   - IEEE SAC Egypt and IEEE NGU Student Branch successfully hosted the Valeo Roadshow, a flagship program by Valeo Company. The event witnessed the enthusiastic participation of around 120 students.

9. **IEEE Galala SB Workshop**
   - In line with our vision at IEEE SAC Egypt to foster the skills of student branch volunteers, our IEEE People and Admin Officer conducted an insightful workshop for IEEE Galala Student Branch. The session focused on logistics skills, event planning, and management, equipping the volunteers with essential tools for successful execution.
10. IEEE R8 Computer Society’s Digital Transformation Workshop
   - The Chair of IEEE SAC Egypt played a key role in the recent IEEE R8 Computer Society’s Digital Transformation Workshop. This event focused on current trends and challenges in the dynamic digital landscape.

11. SAC Egypt Partnerships & Collaborations
   - IEEE SAC Egypt has facilitated collaborative opportunities and partnerships for all student branches. These deals not only strengthen the bonds between IEEE and leading organizations but also provide valuable resources and opportunities for growth to our student branches.

12. Student Branch Officers
   - In an effort to enhance communication and collaboration among our student branches, IEEE SAC Egypt has launched a new initiative – the Student Branches Officers Night. Held every Friday, this dedicated platform provides an opportunity for student branch officers to come together, discuss pertinent topics related to their roles, and address any concerns or queries they may have. The initiative aims to foster a sense of community, encourage knowledge-sharing, and empower student leaders in their roles within the IEEE community. This regular gathering has already proven to be a valuable addition to our collaborative efforts within the section.
Affinity Groups

IEEE Egypt Consultants Network

1- Digital Transformation Workshop (August 2023)
2- Generation Z Entrepreneurs Business Strategy Hackathon for Digital and Electronics Pre-Startups (November 2023)
3- Generation Z Entrepreneurs Investor Pitching Session (December 2023)
IEEE Egypt Young Professionals (YP)

In addition to the IEEE YP Egypt annual programs, in 2023, the IEEE YP Egypt ExCom have developed a plan for the need to cooperate with various entities through technical sponsorship for scientific competitions and conferences, as well as cooperation with more technical societies in Egypt. Also, increasing cooperation with various industrial companies, which increases the IEEE YP Egypt impact on young professionals.

Recognition Award: 2023 The Region 8 Young Professionals Affinity Group of the Year Award
Section I: Regional and Global Events

Event #1: IEEE YP Egypt Organize the North Africa Student and Young Professional Congress (NASYP 2023)

IEEE Egypt Section had been known for its pioneering role since its establishment in 1955 to be the SECOND IEEE Section in Region 8, and IEEE Egypt Section is not only a section with a great history but also an effective role in the current engineering society, which supports by providing technical and non-technical activities throughout its different OUs, to make sure of the continuity of its pioneering role of serving society, and due to its pioneering role in the Region, IEEE Egypt Section and IEEE YP Egypt will host the IEEE North Africa Student and Young Professional Congress (NASYP 2023) this summer.

NASYP 2023 Dates
- From August 25-28 August 2023
Event #2: Empowering Future Innovators: Future Innovators: IEEE Mentoring!

Eng. Ziad Diab
Senior Business Intelligence Engineer

Data Analytics

Ziad Diab is a Senior Business Intelligence Engineer with years of experience in data and analytical solutions. He is an outstanding leader and crowd advocate. He has extensive experience in managing and managing technology and technology companies. He has led the team in developing and implementing business strategies and solutions that have led to successful projects. His leadership style has been described as innovative, motivating, and effective.

Eng. Mahmoud Ahmed
Embedded Software Architect

Embedded Systems

Mahmoud Ahmed is an accomplished expert in the field of embedded software architecture. He has extensive experience in managing and leading teams that develop software systems. His expertise includes designing and implementing software systems for various applications.

Eng. Mariam Berty
Senior Technical Instructor

Cybersecurity

Mariam Berty is a Senior Technical Instructor with expertise in cybersecurity. She has led numerous projects in developing and implementing cybersecurity solutions. Her expertise includes managing and leading teams in cybersecurity-related projects.

Eng. Nahel Amirah
Chair of IEEE TEMS EGYPT

Entrepreneurship

Nahel Amirah is a Chair of IEEE TEMS EGYPT and is an expert in entrepreneurship. She has a strong background in managing and leading teams in entrepreneurship-related projects. Her expertise includes developing and implementing entrepreneurship strategies.

Dr. Mohamed Fouad
Associate Professor in Computer Science SME

AI Applications

Mohamed Fouad is an Associate Professor in Computer Science SME and has expertise in AI applications. He has a strong background in managing and leading teams in AI-related projects. His expertise includes developing and implementing AI strategies and solutions.
Section II
IEEE YP Egypt Main Programs

Program 1: Made in Egypt (MIE) Program 2023

Program 2: Volunteers Empowerment Program (VEP) 2023
Program 3: NASA Space Apps Cairo 2023

Program 4: Egyptian Engineering Day 2023 (EED) 2023
Program 5: IEEE YP Egypt STEP 2023
Section III

IEEE YP Egypt Events in Technical Conferences

The International Microwave and Antenna Symposium (IMAS2023)

Event 1: IEEE YP Egypt Meet-Up and Panel Discussion IMAS2023
The first international fully sponsored IEEE conference in Africa International Microwave and Antenna Symposium-IMAS2023 will be held in Egypt at the Germany University in Cairo (GUC) from 6th of February 2023 to the 9th of February 2023. IMAS is the first international fully sponsored IEEE conference in Africa by the IEEE APS (Antenna and Propagation) and the IEEE MTT (Microwave Theory and Technology) societies.

The IEEE YP Egypt has an event included in the IMAS conference program from 6th to 9th February 2023. IEEE YP Egypt is the largest network of Academia Researchers, innovation practitioners and tech enthusiasts.

The event’s objective is to bridge the gap between industry and academia in Microwaves and Antennas. It would be a great opportunity for young professionals to network more and individually interact with panelists immediately following the panel to stimulate subsequent discussion.
Event 2: IEEE YP Egypt Antenna Design Contest IMAS2023
Following the conference announcements, we are happy to share that the Antenna Design Contest that will be a part of IEEE IMAS (International Microwave & Antennas Symposium conference) and

The contest requirements:
1. A low cost and a low profit dedicated Antenna with high gain to operate at Bluetooth Range.
2. The antenna is to be placed in a metallic light column.

The antenna specifications:
1. Operating frequency: 2.4 GHz
2. Maximum allowed antenna Size: 10 cm X 5 cm
3. Antenna to be fed with a 90 degrees SMA connector
Section IV
IEEE YP Egypt Technical Sponsorship

Event 1: Technical Sponsor of the International Competition on Smart Innovation Technologies, IC-SIT’2023

In January 2023, we announced being a technical co-sponsor for the International Competition on Smart Innovation Technologies, IC-SIT’2023 in Alexandria. For all Students and IEEE Young Professionals!! Participate in the International Competition on Smart Innovation Technologies, IC-SIT’2023, July 19 – 20, 2023, Alexandria, Egypt. [https://lnkd.in/dXcN4uNt](https://lnkd.in/dXcN4uNt) Organized by IEEE Egypt AP-S / MTT-S Joint Chapter in Hybrid Mode. Registration is NOW Open - [https://lnkd.in/gGd-bg7c](https://lnkd.in/gGd-bg7c) (Register by February 15, 2023).

The competition is for high school students and students at universities and institutes and aims to stimulate students' interests and enable them to understand and experience the role of engineering in scientific and engineering innovation.

- The competition allows anyone to present and develop their experience on a global scale.
- All participants can face challenges that require practical participation and thinking outside the box.
- Challenge Areas: [https://lnkd.in/gTqEg7Ka](https://lnkd.in/gTqEg7Ka)
- Register at: [https://lnkd.in/gGd-bg7c](https://lnkd.in/gGd-bg7c)
- Proposal Template: [https://lnkd.in/deMqFXUhb](https://lnkd.in/deMqFXUhb)
- Proposal Submission: [https://lnkd.in/gJYH_3Fq](https://lnkd.in/gJYH_3Fq)
Event 2: Technical Sponsor of the Second International Science and Engineering Innovations Competition (ISEIC’2023)

The IEEE Young Professionals Egypt will be a technical sponsor for the Second International Science and Engineering Innovations Competition (ISEIC’2023), which will be held on 1-2 May 2023 at Air Defense College, Alexandria, Egypt. For more information about the ISEIC’2023: https://iseic-adc.org/#hero
Event 3: Technical Sponsor of the Project Competition in the International Telecommunications Conference (ITC EGYPT ADC 2023) Conference

In May 2023, IEEE Young Professionals Egypt will continue collaborating with the IEEE prestige conferences. This time the collaboration with The International Telecommunications Conference (ITC EGYPT ADC 2023) conference, as being a technical co-sponsor for the project competition, which will be held during the conference activities from July 18-20, 2023, at Air Defense College, Alexandria, Egypt.

- All undergraduate engineering students are invited to submit a one-page proposal to the ITC-Egypt’2023 and demonstrate their engineering skill, talent, and capability of defending their innovative ideas through posters and seminars.
- Project posters are intended to cover all areas of interest as listed in the conference topics.
- The participating students could attend all the conference activities, free of charge.

Competition Important Dates:
- Submission deadline: May 1, 2023
- Acceptance Notification: June 1, 2023

Competition Prizes:
- 1st Place: Receive a cash award of 10000 EGP.
- 2nd Place: Receive a cash award of 8000 EGP.
- 3rd Place: Receive a cash award of 6000 EGP.

To know more information about the project competition and how to apply: [https://www.itc-egypt-adc.org/proj.php#authorr](https://www.itc-egypt-adc.org/proj.php#authorr)
Section V

IEEE YP Egypt Collaboration with IEEE Woman in Engineering (WIE)

Event 1: The 1st IEEE Mobile Application Development Bootcamp (MoDev Bootcamp’2023)

We are starting 2023 with a collaboration with IEEE Egypt Women in Engineering (WIE) Affinity Group in an amazing bootcamp for the mobile application development.

- Dates: 4-6 February 2023
- Venue: Online
Section VI

IEEE YP Egypt with Egyptian Woman Collaboration

Event 1: IEEE YP Egypt Partnership with the Women in Data Science (WiDS) Cairo

In February 2023, we announced that IEEE Young Professionals Egypt has a partnership with Women in Data Science (WiDS) Cairo on their International Women's Day in Egypt!! WiDS is a conference that focuses on showing off the contribution of females toward the community in various fields! The event is FREE and open to both genders. Get ready to be inspired by original success stories, and their authors live on the 11th of March 2023 at Nile University.

The FB event: https://web.facebook.com/events/822099242215019
Section VII

IEEE YP Egypt Community Service Collaboration

Event 1: IEEE YP Egypt Partnership with the Egypt International Science and Technology Fair (EISTF)

In February 2023, we announced that IEEE Young Professionals Egypt has a partnership with EISTF!

The Egypt International Science and Technology Fair is Egypt's largest international science competition for secondary school and university students, and it will take place this year in Educational on October 6, from February 24 to 26, 2023!

At EISTF, participants have the opportunity to present their research projects in various categories such as biology, medicine, mechanical and electrical engineering, physics, astronomy, computer science, chemistry, environmental sciences, behavioral and social sciences, etc.

You can get 40% off your ticket right now by using the promo code “IEEEYPEGYPT” at this link: https://www.easykash.net/NWA9368
Section VIII

IEEE YP Egypt Partnership with Industry

Event 1: IEEE YP Egypt Partnership with Valeo Egypt

In March 2023, IEEE Young Professionals Egypt was announced the launch of the Valeo TechBites webinar series in partnership with Valeo Egypt. Techbits will take you through a wide variety of technology trends and applications in the automotive industry through the Valeo team of experts who will guide you through different technology flavors and help you to get prepared for the different industry needs. Valeo TechBites will be 4 sessions and was take place through 2 webinars per week starting at 9:00 PM. The TechBites attendees was +2500 from all over Egypt.
Event 2: IEEE YP Egypt Partnership with DELL Technologies Egypt

DELL IN CLASS
Edge Compute, “The Key to Unlocking the Potential of Real-Time Data Processing”
Sunday, 17th September at 09:00 PM

Event 2: IEEE YP Egypt Partnership with DELL Technologies Egypt

DELL IN CLASS
Zero Trust Security: Unleashing the Power of End-to-End Protection
Sunday, 24th September at 09:00 PM

DELL IN CLASS
5G, Technical Insights and Business Strategies for Competitive Advantage
Monday, 25th September at 12:00 PM

Ahmed El Nemr is a technical specialist with a track record of establishing and leading small and large software engineering teams for Dell Technologies, and currently he manages a large Product Engineering organization that is leading Dell’s 5G portfolio. Ahmed’s career has involved defining future-looking R&D strategies, overseeing technology acquisitions and investments, and leading the shipping of 5G software development and implementation.
Section IX
Social Activities 2023

Event 1: Iftar Ramadan for Egypt Section 2023

This gathering happens every year where all YP members and SB Officers from all around Egypt gather on one table with each other and with the officers of the IEEE Egypt Section, IEEE YP Egypt, and SAC Egypt. It is a great opportunity to get closer to all YP members and SB officers and the section/YP/SAC officers and may open gates for more collaboration and information.

- Venue: Nile University (IEEE NU SB)
- Date: Friday, 14 April 2023
- Time: 4:00 PM to 8:30 PM
Event 2: IEEE YP Egypt VEP Program Iftar Ramadan 2023

Event 3: IEEE YP Egypt MIE Program Iftar Ramadan 2023
IEEE Egypt Women in Engineering (WIE)

EVENT 1: The 1st IEEE WIE Regional Forum for Enhancing Education and Gender Inclusion for Energy Transition and Climate Action in MENA Region

Forum Description
A Great Successful Forum and IEEE Egypt WIE Activities during "The Regional Forum for Enhancing #Education and #Gender Inclusion for #Energy Transition and #Climate Action in MENA", Organized and hosted by Arab Academy for Science and Technology (AASTMT) - College of Engineering & Technology, Monday 30th OCT 2023.

This comes in cooperation with the #World Bank, the Regional Network for Women in Energy (#RENEW MENA), the International Energy Support Program (ESMAP), and the #IEEE WIE Egypt Section. Many experts from Egypt, foreign and Arab countries are participate in the forum (USA, Canada, Algeria, Tunisia, Lebanon, Greece, ... etc.).

Student Activities & discussion panels to promote education, STEM and enhance the role of women in technology & climate change-resistant societies and to enhance youth participation in mitigating the effects of climate change, in order to achieve the goals of sustainable development.

It was a Bright opportunity to communicate, exchange ideas, knowledge and experiences on successful strategies and initiatives, and cooperate to serve as a platform through which educational programs and capacity building can be developed to include gender as a driver of the energy transition and climate change.

The forum included several interesting sessions addressing many topics concerning jobs in the new energy model and youth participation in mitigating the effects of climate change. The role of the private sector in the energy transition, as well as how to develop education programs that respond to climate and energy action.

Great thanks to our esteemed speakers and panelist Elisabeth Maier, Amira El Mazni, Affouda Lêon Biaou, Tu Chi Nguyen, Mostafa Abdel Gelil, Nihal Samaha, George Victor and Raei Sameh. Moving towards the energy transition and developing clean energy in countries in the Middle East and North Africa region, encouraging the improvement of working conditions in the public and private sectors, combating prevailing gender stereotypes on the role of women in the fields of science, technology, engineering, and increasing the visibility of women in this sector. As well as promoting employment, entrepreneurship and financial inclusion.

Why WIE Regional Forum for Enhancing Education and Gender Inclusion for Energy Transition and Climate Action?

- Enhancing Education and Gender Inclusion in Egypt.
- Promote Energy Transition and Climate Action in Egypt and MENA
- Promote Women in Technology and Climate-Change Resilient Societies
- Inspiring youth in awareness on how climate change will impact societies
- Propose innovative solutions for green technology for Egyptian society and MENA.
- Advance youth participation in Climate Change Mitigation
- Encourage and inspire Women Jobs in new energy paradigm
- Empower Women in Technology, Energy and Climate-Change Resilient Societies
- Implement the First RENEW MENA event in Egypt to inspire Women and Gender inclusion
- Enhancing IEEE WIE technical leadership position in climate actions and new solutions for green energy.
- Engaging Women, young girls, Egyptian young professionals and students in energy solutions.
- Demonstrate the role of the IEEE WIE in solving environmental and societal problems in the public life of Egypt.
• Collaborate between the IEEE WIE Egypt and the regional Network of Women in Energy – World Bank – and involve students and young professionals to propose solutions for Egypt's problems in energy and Climate Change.
• Addressing the challenges existing in pollution, energy and climate change on a regional basis (Africa and MENA).
• Fostering the role of IEEE WIE to be part of Education programs responding to climate action and energy with gender inclusion.
• Encourage partnership with private and public sectors in planning new solutions for climate action mitigation.

Forum Organizers
The IEEE Women in Engineering Egypt Section focuses on the theory, analysis, design, practical implementation of circuits, and circuit theory to systems and signal processing in industry and academia. The Chapter provides a forum where participants can network, learn and exchange ideas in a welcoming, professional environment.

The Regional Network of Energy for Women RENEW in the Middle East and North Africa

IEEE Egypt Section, IEEE Egypt.

Forum Host
The Arab Academy for Science, Technology and Maritime Transpor (AASTMT) is a non-profit organization belonging to the League of Arab States, in Egypt. Founded in 1972, working in Education, training and consultation, with the support of the Egyptian Ministry of Higher Education and United Arab League. The AASTMT have several assets which we will depend on it like several spaces for teams to work on their projects. Also, a big auditorium to host the opening and closing sessions.

Forum Collaborator

• World Bank, RENEW MENA Co-TTL experts
• Regional Center for Renewable energy and Energy Efficiency (RCREEE)
• Energy Specialist and Program leader in World Bank
• Egyptian Gas Regulatory Authority (GasREG)
• Private Sector “Infinity Group”
• Egyptian Electricity Transmission Company (EETC)

Forum Organizing Committee

<table>
<thead>
<tr>
<th>Position</th>
<th>Chair</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Forum Chairs</td>
<td>Prof. Sherin Youssef</td>
<td>IEEE WIE Egypt Chair</td>
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<tr>
<td>Forum organizers</td>
<td>Dr. Magi Mashaly</td>
<td>IEEE WIE, Egypt, Treasurer</td>
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<td>Dr. Rania Assem</td>
<td>IEEE WIE, Egypt</td>
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<td>Eng. Yousra Assaker</td>
<td>RENEW MENA</td>
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<td>Program manager</td>
<td>Dr. Eman Azab</td>
<td>IEEE WIE, Egypt Secretary</td>
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<td>Dr. Mohamed Ramzy</td>
<td>AASTMT, Egypt</td>
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<td>Eng. Eman Hamdy</td>
<td>AASTMT, Egypt</td>
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<td>Social Media Officer</td>
<td>Eng. Noha Sobhi</td>
<td>IEEE Egypt WIE</td>
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<td>Dr. Nezar ElShenawy</td>
<td>AASTMT, Egypt</td>
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Forum Speakers
Forum Prizes

Forum Participation Guidelines (Eligibility Criteria)

- Participants from all universities and high schools are welcome.
- Participate alone or as a team.
- Participant age between 14 and 60 years old.
- Follow the organizing committee rules during the period of the forum
- Registration fees is free.

Forum student Activity participation Jury Criteria

Students and young generation activities taken place during the Forum, with proposal submission and representation. Suggested innovative project solutions for climate actions., with:

Originality - Is the application/model/system unique and/or innovative,
Social Impact - Public health, poverty, impact on the problem addressed, and wide adoption of product/service in energy sector, and how sustainable development goals are met.
Presentation Skills, System/Model Scalability’s - Is the idea feasible and can be expanded,
Data Analysis (capture, cleaning, and analysis).
Forum Awards
SPEAKERS:
EVENT 2: IEEE WIE Egypt Developed programs for Career Development, Life Coaching and “Your Way and Road Map for Innovation & Creativity”

Supporting University Students, STEM and Young Girls for Skill Development - In Cooperation with ITI Institute of Information Technology – Ministry of Communication and Information Technology

In Summer 2023, 10 July – 25 August, successful development training programs are organized by IEEE WIE Egypt in cooperation with ITI Egypt. These programs targeting University Students, STEM and Young Girls to develop the skills of youth and graduates and connect them to the labor market.

The students participated in a dialogue session about benefiting from their training in partnership between IEEE WIE Egypt and ITI and the tremendous opportunities that connect them to the labor market through training them on the latest modern technologies in the field of information technology. They discussed many recommendations regarding smart business skills, network administration and cybersecurity. In the honoring ceremony, male and female students received professional certificates for completing their acquisition of programming skills for iOS smartphone applications and Linux Administration operating systems for high-speed processors.
EVENT 3: IEEE Egypt Women in Engineering Educational Forum (IEEE WiED'2023) under the theme “Technological Advances and Sustainable Future”

"Supporting Women in Embedded Technology and Electron Devices"

Empower youth, Women Engineers and inspiring girls in University, pre-university levels and STEM. Envision Education to be prioritized to accelerate progress towards all the Sustainable Development Goals. Professional Training Sessions included Smart humanoid Robots, Internet of Things Applications, programming skills, Sensing platforms and practising on Wireless control and networking. Encourage inclusion and diversity and keep all connected. "So impressive to see talented youth with passion, positive energy and eager to learn." Their motivation & passion was really incredible. IEEE WIE Egypt Bridging the gap between technology and academic life. Encouraging creativity, innovation, inclusion and team work with gender equality. Providing a fruitful community that is equipped to address challenges that students face today. Supporting women in technology and enhance entrepreneur skills among young girls realizing Sustainable Development Goals SDGs and Egypt Vision 2023.
EVENT 4: IEEE WIE Egypt Empowering STEM and university Students
IEEE Egypt WIE/EDS Educational Day Forum on Technological Advances and Sustainable Future

Organized by IEEE Egypt WIE and IEEE Young Professional Affinity Groups.
“Promoting Applications for women safety and Women Life Coaching
Training and inspiring gender inclusion in Mobile Development Technology”

EVENT 6: Professional Development in Engineering (Panel Discussion)

IEEE Egypt WIE Chair introducing an inspiring talk in “ Professional Development in Engineering“ at Nile University, in sponsorship of the British Council and IEEE.
EVENT 7: WIE Industry Forum “Empower Women in Cybersecurity”
"Protecting Women and young Girls against Cyber Violence”

Brief Description of the Forum:
“Empower women in Cybersecurity”
“Protecting Women against Cyber Violence”

On celeration of IEEE WIE Day 2023

Forum date: **August 16th, 2023, from 10:00-19:00**

Different pathways to cybersecurity careers are important to closing the gender gap and filling open cybersecurity jobs. IEEE Egypt WIE organized a session and discussion panel, on Wednesday 16th August 2023, to empower women and prepare the future workforce through training and hands-on activities.

**VISION:** WIE envision offering girls a glimpse into why cybersecurity is so important. We strive to discover and promote opportunities for women to lead, diversify, as well as to join the mission to engage the younger generation of women on pathways to cybersecurity.

The youth session and panelist discussed many issues related to the emergence of cyber violence against women and girls (VAWG) as a growing global problem with potentially significant economic and societal consequences.

Cyber violence hampers the full realization of gender equality and violates women’s rights. The increasing reach of the internet, the rapid spread of mobile information, and the widespread use of social media, has led to many threads.

Violence against women including in an online environment can take many forms of cyber harassment and threats. Violence and abuse online may limit women’s right to express themselves equally, freely and without fear. Cyberviolence affects women disproportionately, not only causing them psychological harm and suffering but also deterring them from digital participation in political, social and cultural life.

The panel discussed technology related to cyber security and the Hacking process and Phishing. Practical examples of fake mails and messages. Knowledge about cyber blackmailing and how to report it. Malware types and how can a non-technical person analyze malware. Solutions to prevent malicious activity on computer devices and cyber intelligence.
Awarding Session:
EVENT 8: WIE Industry Session in partnership with DELL Technologies

Brief Description:
“WIE IEEE INSIGHTFUL DISCUSSION"
"International Women in Engineering Day 2023 #IEEEWIE
INSIGHTFUL DISCUSSION "D"SCUSSION PANEL" "–une 2023
DELL Technologies and IEEE Egypt WIE Board
It was a very interesting and amazing INSIGHTFUL DISCUSSION in cooperation between DELL Technologies and IEEE Egypt WIE.

The penalist discussed many interesting issues related to IEEE Egypt Women in Engineering Vision, career dissatisfaction, what it is like to be a woman in engineering and how gender gives different perspective. In addition, the advice that can be given for women interested in engineering, the kind of practical experience they should have and more about technical skills they should pick up. As IEEE WIE focuses on how to benefit and inspire women in stem field, also Dell/ WIA - --tem aspire program - - ave great focus and objective. The event discussed many fruitful ideas and areas of collaboration that they can work on together in future.
EVENT 9: IEEE WIE Egypt Arab Women's Day 2023"
the 1st Collaborative Event organized by IEEE WIE Egypt in Cooperation with IEEE WIE-Jordan, IEEE WIE-Lebanon Section and IEEE WIE United Arab Emirates (UAE).

Brief Description:
The IEEE WIE Egypt Arab Women's Day 2023" - the 1st Collaborative Event organized by IEEE WIE Egypt.
IEEE WIE Egypt in collaboration with Industry DELL Technology

Brief Description:
The Future of Women’s Empowerment in the Era of Digital Transformation”
"Obstacles and opportunities for an inclusive, digital world"
A Great session and discussion panel are introduced by DELL Technologies in Cooperation with IEEE WOMEN-IN-ENGINEERING Egypt Section.
Highlighting turning the promise of IoT Technology and AI into reality for customers. Shed light into industry at tipping points, skill shortage and cyber security.
A very interesting "Inspiring Session" is also introduced by Eng. Hana Amer: Seek to know yourself, Team lead (Learning & Development) and Attributes to success: Persistence, Patience and Push out of Comfort. Thanks so much Dell Technologies and our distinguished SPEAKERs, Eng. Hana Amer, and Eng. Mostafa Hashem.
EVENT 11: IEEE WIE Egypt "#Yes She Can" - Supporting Baheya Foundation for Breast Cancer

Brief Description:
IEEE AAST SB
"Engineering in Baheya" Wednesday 3rd of May 2023

Wait for an amazing Session introduced by IEEE WIE Egypt "#Yes She Can" - Supporting Baheya

EVENT 12: "Women Empowerment in Maritime and Logistic: Challenges and Growing Opportunities (WIMLog'2023)"

On the Occasion of the International Women Day and realizing the Sustainable Development Goals SDGs on Women Empowerment and Gender Equality,

The IEEE WIE Egypt Section has a great pleasure to announce partnership cooperation in organization of a workshop on: "Women in Maritime and Logistic: Challenges and Growing Opportunities (WIMLog'2023)". In cooperation with the Arab Women in Maritime Association (AWIMA), Ms. Shireene Galal Director of AWIMA General Secretariat on behalf of H.E. Eng. Hessa Al Malek President of Arab Women In Maritime Association (AWIMA), Regional Ambassador of the Global Maritime Club.
EVENT 13: IEEE Egypt WIE participate as Technical Sponsor and "Technical Partner" in the International Exhibition and Competition on Smart Innovation Technologies (IC-SIT’2023) in cooperation with IEEE Egypt AP-S/MTT-S Joint Chapter

Brief Description:
On celebration of IEEE WIE Day'2023
So delighted to participate IEEE Egypt WIE, as Technical Sponsor "Technical Partener" in the International Competition on Smart Innovation Technologies (IC-SIT’2023) organized by IEEE Egypt AP-S/MTT-S Joint Chapter, the International Competition on Smart Innovation Technologies (IC-SIT’2023) - July 16 – 17, 2023, Alexandria, Egypt.

Great pleasure to share with my colleagues Prof. Ahmed H. Median Prof. Maha Elsabaroty and Dr. Mohamed Saieed - the exhibition and judging of the winning innovative projects.
Lots of passion, creativity and empowerment
Great thanks to Prof. Yasser Madany - the Chair of IC-SIT'2023.
Empowering Girls in Technology and innovation is crucial for achieving gender equality in the workforce. With the right approach and support, we can ensure that girls have the opportunity to excel in these fields of technology and reach their full potential.
Pictures:
https://www.facebook.com/share/p/oKK1CLgCZ9FzJpGY/?mibextid=WC7FNe
**EVENT 14: IEEE WIE Egypt (CaDevCBF'2023) Forum "IEEE WIE Career Development and Capacity Building Forum " towards Achieving a More Gender Balanced STEM Workforce" - 12th July 2023.**

*WIE CaDevCBF2023 Forum*

**IEEE WIE Egypt Career Progression Key to achieving a More Gender Balanced STEM Workforce**

**Brief Description:**
Panel Discussion by young Female Engineers and Successful Creative Projects with gender inclusive and Great impact on community. More about Digital transformation applications and entrepreneurship. Awarding & Empowering Women Participation recognize Creative projects with Great impact on Community. Recognition of young women engineers role models and Women Leadership in both industry and Academic filed. More than 240 Participants from university senior and junior students, industry experts, Academic Faculty members and graduates.

**EVENT 15: "IEEE WIE Career Development and Capacity Building Forum " towards Achieving a More Gender Balanced STEM Workforce" - 11 July 2023.**

**Brief Description:**
EVENT 16: IEEE WIE Egypt "WiCyS: Empowering Women in Cyber Security" "Combating Cyber Violence Against Women and Girls"

IEEE Egypt WIE WiCyS WORKSHOP "WiCyS: Empowering Women in Cyber Security" "Combating Cyber Violence Against Women and Girls"
Date: October 18th, 2023
Panel Discussion!
Gain valuable insights and contribute to the advancement of our society. Let's navigate together! 🌟 This event included a series of two workshops that consisted of four sessions. (1) Awareness Sessions about Media and Cyber Attacks, (2) Combating Cyber Violence Against Women and Girls, (3) Gender inclusion in Cyber Security Technology new jobs, (4) Practical Session and Awarding.
Recognition Awards:

- “2023 Women in Leadership Award” for IEEE WIE Egypt Chair – Prof Sherin Youssef

- Outstanding Women in Engineering Student Volunteer Award
IEEE Egypt SIGHT

Participation in the North Africa Student and Young Professional Congress (NASYP 2023)

NASYP 2023 Dates
- From August 25-28 August 2023
The 122th IEEE Region 8 Committee Meeting

Vienna, Austria, 2–3 March 2024

Lwanga Herbert
CHAIR, IEEE HUMANITARIAN TECHNOLOGIES BOARD

Advancing Technology for Humanity in Action with IEEE SIGHT and EPICS

Dive into SIGHT and EPICS programs to solve community problems with support from IEEE and accelerate your career!

Nour Sbaoulji
IEEE SIGHT Tunisia Section Treasurer
The 122th IEEE Region 8 Committee Meeting

Vienna, Austria, 2–3 March 2024

Utilization of Photovoltaic Technology for the Agricultural Sector in Egypt

Ibrahim Mohamed
Vice Chair at SIGHT Egypt

Yasmine Elgail
Vice Chair at SIGHT Egypt

Kareem Moussa
Vice Chair at SIGHT Egypt

Amr Khairy
Co-founder at GEBAL, Egypt

Hassan Hussein
Agricultural Engineer, GEBAL, Egypt

WORKSHOP

IEEE Humanitarian Technologies Board
The 122nd IEEE Region 8 Committee Meeting
Vienna, Austria, 2–3 March 2024

Meet the Board

Chairman
Mohamed Saeed
Professor of Computer Science at Nile University

Vice Chairman
Youssef Elzayat
Assistant Professor of Nanotechnology and Nanoelectronics, Kuwait City

Secretary
Abdel Moneim Haque
WIU Researcher, Nile University

President
Eng. Sadek Mohamed
AGT Researcher, Faculty of Engineering, Cairo University
Educational Activities

Future Sustainable Technology Day and Workshop

“Future Sustainable Technology” Teacher and Student Workshop to Arab Academy for Science, Technology & Maritime Transport (AASTMT), Abu Kir campus in collaboration with a local school. Three professional talks, a lab tour, and a planetarium visit. Organized by IEEE-HKN Mu Beta Chapter in collaboration with IEEE Egypt Section educational activities. The event was attended by 60 participants with 5 IEEE members.

vTools Report: https://events.vtools.ieee.org/m/361546
Sustainable Future Technology: Science Fair and Competition

The second part of a collaborative event with a local school in Alexandria. A STEM science fair and a competition for pre-u students themed Future sustainable technology. Organized by IEEE-HKN Mu Beta Chapter in collaboration with IEEE Egypt Section educational activities. The event was attended by 300 participants with 3 IEEE members.

vTools Report: https://events.vtools.ieee.org/m/363649
Prelim of IEEE-YESIST12 2023 by IEEE-HKN Mu Beta (Egypt Section) at Arab Academy for Science, Technology & Maritime Transport, Alexandria

Prelim stage of 2023 IEEE-YESIST12 challenge. A global platform to showcase your valuable projects and to get recognized in a global community. Here arrives the platform to showcase your valuable projects and to get recognized in a global community. IEEE-Yesist12 is a two tier global competition with five different tracks over two phases. The prelim stage of Mu Beta chapter will be hosted by College of Engineering and Technology at Arab Academy for Science, Technology & Maritime Transport Abu Kir. The prelim will be conducted during 16-17 July 2023. Finalists from each track will compete in the global finale which took place in hybrid mode in September 2023 in Egypt. Organized by IEEE-HKN Mu Beta Chapter in collaboration with IEEE Egypt Section educational activities. The event had 110 participants with IEEE members. The competition has five tracks for different categories with special track for school students namely, Junior Einstein track.

vTools Report: https://events.vtools.ieee.org/m/389958
IEEE YESIST12 Grand Finale 2023

Grand Finale of IEEE YESIST12-2023 (YOUTH ENDEAVOURS FOR SOCIAL INNOVATION USING SUSTAINABLE TECHNOLOGY) at Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alex. A collaborative event among IEEE Education Chapter of Madras Section, IEEE-HKN Mu Beta Chapter and IEEE Egypt Section. Attended by 450 participants from 20 countries with 50 IEEE volunteers in hybrid format.

vTools Report: [https://events.vtools.ieee.org/m/395167](https://events.vtools.ieee.org/m/395167)
Toward a Green and Sustainable Future School Initiative Competition

Competition and closing ceremony at Arab Academy for Science, Technology & Maritime Transport (AASTMT), Abu Kir campus as a part of school initiative to raise awareness about UN’s SDGs. Organized by IEEE-HKN Mu Beta Chapter in collaboration with IEEE Egypt Section educational activities. Attended by 50 students and teachers, and 3 IEEE volunteers.

vTools Report: https://events.vtools.ieee.org/m/395196
Chapters
List of Chapters and SB Chapters in your Section, the newly formed or dissolved Chapters, if any since the last meeting reporting. Indicate how many have reported on time and received rebate. Highlight some of the activities.

Industry
List the activities carried out to foster relations with Industry and the results obtained.
  - Step event with inclusion for many companies inside the market and students and professional form different filed.

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

Planned activities.
Highlight some of the future activities and initiatives in your Section.
  - IEEE Entrepreneur week
  - IEEE officer meeting
  - IEEE ESYP Congress
  - Six conferences will be carried out in collaboration with Technical chapters.