



IEEE



ENIS

IEEE Student Branch

IEEE ENIS STUDENT BRANCH

About

Since 2009, the IEEE branch has been founded at the National School of Engineers in Sfax. Its main aim is to motivate students, inspire them to support their creativity, foster their associative spirit, and communication skills, as well as to attend training sessions and competitions in various engineering fields.

Counselors

Name : Brahim MEZGHANI

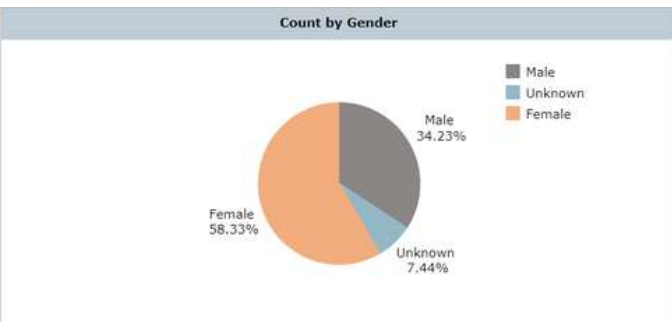
Email : dr.brahim.mezghani@ieee.org

Name : Fadoua DRIRA

Email : fadoua.drira@ieee.org

Count by Region and Grade					
Region	Council	Section	Grade Category	Grade	Total
R8	Africa Council	Tunisia Section	IEEE Grades	Associate Member	1
				Graduate Student Member	23
				Member	5
				Senior Member	1
				Student Member	304
				Total	334
Total					334
Region 8 - No Council	Iraq Section	IEEE Grades	Graduate Student Member	1	1
				Total	1
Total					1
Reg 8-Countries Outside	IEEE Grades	Graduate Student Member	1	1	
			Total	1	

Chapters , Affinity Groups & Units





IEEE



ENIS

ENIS SB IEEE Student Branch

EVENTS

14TH ANNIVERSARY OF IEEE ENIS SB



HELLO WORLD! 3.0



On the 15th of April, the IEEE ENIS Student Branch joyously marked its 14th anniversary, bringing together dedicated members for a day of celebration.

This special occasion provided a wonderful opportunity to gather all officers and active members in a festive atmosphere, fostering camaraderie and the exchange of valuable experiences.

The festivities included a myriad of entertaining activities and impromptu dances, creating an atmosphere of joy that resonated with everyone present. This celebration not only served as a moment of revelry but also as a platform for building lasting connections and strengthening the sense of community within the IEEE ENIS Student Branch.

Hello World is a Problem Solving event organized by the IEEE ENIS Computer Society Student Chapter. In its third edition, Hello World has been a major success. Having almost doubled the number of participants from the past 2 editions, our event has hosted 131 competitors divided to 52 teams from all parts of Tunisia. On that fateful Saturday, the 29th of April, The participants were welcomed to the Digital Research Centre of Sfax, introduced to the PC² Competitive Programming Platform they are to use and then began the three-hour-long Competition. A set of ten problems were hand-crafted by six well-established professors with our Problem-Solving Coach Doctor Atef Masmoudi as their head. After a grueling and highly competitive race to win it all, the top three teams were announced and claimed their prizes. The event received wide praise and is one of the ENIS SB's proudest achievements.



PES DAY 2023



Celebrating PES Day and in collaboration with Tunisia SB Chapters ,
 Tesnim Bel Ayadi, an accomplished energy and electrical engineer joined us as a keynote speaker for our upcoming event on cogeneration.

With her extensive knowledge and experience, Tesnim provided an engaging and informative presentation that will be of interest to both seasoned professionals and those who are new to the field

Melek Ben Ayed, a PhD student in control systems and renewable energy grid integration, joined us as a keynote speaker for our upcoming event on artificial photosynthesis.



IEEE SSCS TOOLKIT ONLINE EVENT

The IEEE SSCS TOOLKIT online event that took place on the 12th and 13th of August 2023. This event was a remarkable journey of learning and exploration, offering a diverse range of opportunities for all participants.

- **World of Opportunities:** The event encouraged participants to explore a world of opportunities, whether they were interested in electronics or aimed to enhance their communication and leadership skills.
- **Two-Day Program:** The event spanned two exciting days, each with its unique focus. Day 1 aimed to boost personal growth and improve communication skills, while Day 2 introduced participants to the captivating world of small satellites, CubeSats.



WIE GATHER

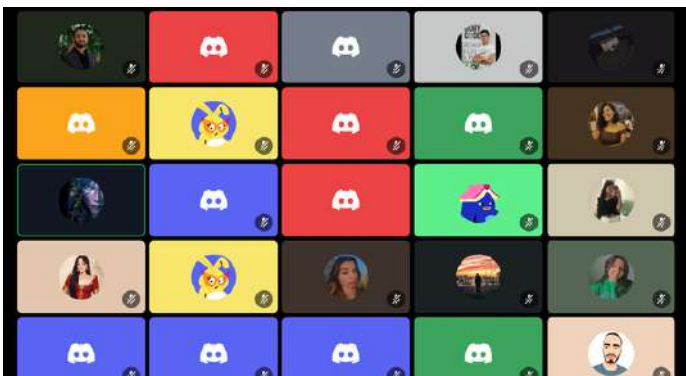


The event commenced with an opening ceremony, followed by an engaging workshop where we delved deeper into the realms of AI and ML. We explored the fascinating intersection of Machine Learning and climate change, acquiring practical skills to create a simple predictive model for future CO2 emissions.

On the second day of WIE Gather, participants engaged in an insightful workshop centered around asset tokenization.

The workshop delved into the transformative potential of blockchain technology and how it can revolutionize the way we represent and trade assets.

We gathered for a compelling panel discussion, featuring accomplished women from diverse backgrounds, who shared their remarkable experiences, insights and strategies for success in tech and project management realms.



WIE ACT 2.0



The IEEE Women In Engineering Annual Congress of Tunisia, organized by IEEE WIE ENIS SAG & IEEE WIE ENETCOM SAG, and IEEE Women in Engineering Tunisia Section & IEEE ENIS SB & IEEE ENETCOM SB, took place on September 30th and October 1st at the Amir Palace Hotel in Monastir. The event successfully brought together a diverse community of students and professionals, providing a platform to exchange knowledge, build networks, and explore groundbreaking ideas in both women's empowerment and the field of Artificial Intelligence.

Throughout the congress, attendees had the opportunity to expand their professional networks and deepen connections through team-building activities. The BLACK and White themed evening added a touch of lively celebration, providing everyone with a chance to unwind and enjoy the joyful atmosphere. It was a delightful respite, allowing participants to recharge and create lasting memories.



IEEE TALKS: CHAPTERS' FEST AND PATHWAY TO SUCCESS



IEEE TALKS: Chapters' Fest and Pathways to Success is an event organized by IEEE ENIS SB that aims to present the student branch and its units by giving insights about every unit's field of interest as well as every unit's upcoming events. "IEEE TALKS: Chapters' Fest and Pathways to Success" is also an opportunity for the attendees to get to know more about this community by meeting former officers and young professionals who will share their experience as part of the IEEE family and tips to lead your way as an engineering student and a future leader.

INTELLIGENT DECISION SUPPORT SYSTEMS WORKSHOP IDSS'8 JUNIOR & KIDS: "BUILD AI APPS WITH CHATBOTS"

During this IDSS 8th edition, JUNIOR & KIDS will raise awareness and train on Chatbots and transfer learning with the workshop "Build AI Apps with chatbots" event for junior & kids. If you have JUNIOR (12-18 years) & KIDS (8-12 years). The purpose is to improve the understanding of chatbots and transfer learning while encouraging the creation of AI Apps and Chatbots. Junior & kids will display their skills, earn recognition and contribute to the world of AI progress.



CELEBRATING IEEE DAY IN SFAX: A REGIONAL GATHERING



In celebration of IEEE Day, a collaborative effort between IEEE ENETCOM SB, IEEE Polytech SB, IEEE ISGI SB, IEEE ENIS SB, IEEE ENIS SB, and IEEE FSS SB was organized in Sfax. The day kicked off with check-in, followed by an engaging opening ceremony where esteemed speakers congratulated us on IEEE Day and expressed their gratitude for joining this significant event.

As the sun began to set and the day transitioned into evening, the atmosphere became increasingly festive. The culmination of the IEEE Day Regional Sfax was a lively and vibrant party that brought together all attendees. Laughter and music filled the air as everyone let their hair down, celebrating not only the accomplishments of the day but also the enduring spirit of innovation and collaboration that defines IEEE.



IEEEEXTREME 17.0 FSS X ENIS



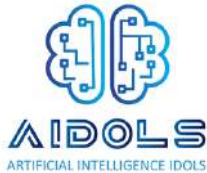
In a remarkable display of synergy and teamwork, IEEE CS ENIS SBC and IEEE CS FSS SBC recently united for the IEEEEXTREME 17.0 programming competition.

With the two respective universities of both SBCs, it seemed like a natural step to consider a collaborative effort in order to improve the prospects of the event.

The collaboration between students from the two universities resulted in a dynamic exchange of diverse talents and innovative ideas. This allowed for cross-pollination of ideas, which fueled creative problem-solving and broadened their network.



AIDOLS 1.0



"AIDOLS" is an AI competition dedicated to the theme of "individuals with specific needs." The event features a series of artificial intelligence training sessions led by renowned experts in the field and soft skills training sessions. To conclude, teams of engineering students, under the supervision of experienced PhD candidates and researchers, will have the opportunity to present their projects focused on harnessing artificial intelligence to address the needs of this particular group and get interesting prizes.



EMB FORUM 4.0



The 4th edition of the "Engineering in Medicine and Biology Society Forum," founded at the National School of Engineers in Sfax, is an opportunity to promote the knowledge and skills of engineering students in various fields of medicine and biology. It also aims to ensure the development of a motivated generation with a strong foundation in human and social skills. The combination of innovation and technology shared between the guests and engineering students formed the basis of the Forum, ensuring a true exchange of information on various discussion topics. This year, we organized a competition that served as an excellent way to stimulate competitiveness, creativity, and innovation. The theme of the competition focused on the valorization of waste from the food and pharmaceutical industries in the Sfax region, with the aim of promoting sustainable development.



ENIS Industrial Form (ENIF 4.0)



ENIF 4.0 : "Enis Industrial Forum " is an annual forum organized by the IEEE IAS ENIS SBC which has been held three times so far.

The event gathers students from various regions of Tunisia and serves as a platform to bridge the gap between them and new technologies prevalent in the industry. Through a combination of workshops and competitions, participants are offered an immersive experience in the industrial landscape.

This year's edition contained a competition which problematic was about air pollution and its impact on people's health. Participants ought to find a solution that merges different technologies.

The event also contained a series of workshops about IoT, AI and their applications to health care. These workshops were held by industrials.

Industrials are also part of the evaluation jury in the competition held on the 3rd of December.



IEEE CS TECHX TUNISIA SECTION



TechX is an IEEE CS event designed for students and young professionals. It focuses on new technologies and offers various sessions, including technical demonstrations, talks on emerging technologies, and interactions with industry experts. TechX also emphasizes leadership development and soft skills, providing sessions to help students become effective leaders and prepare for interviews.

The IEEE ENIS CS SBC has applied for the TechX initiative and has been accepted to organize the event under the name of "IEEE CS TechX Tunisia Section". The event includes various workshops with the crown jewel of the event being a hackathon to be discovered the day of the event.

This event is a pride to the ENIS SB and is a great last event for this year's ExCom. Only time will tell on what experiences await you during TechX!



I-PROTECT V6



I-PROTECT is an annual workshop that unites students, researchers, and academics from Tunisian public and private universities, as well as industrials. This event allows attendees to learn about the most recent advancements in Cybersecurity. I-PROTECT v6 is organized by IEEE Tunisia Section, University of Sfax, Digital Research Center of Sfax, National Agency of Cybersecurity-TunCERT, TEEE SPS Tunisia Chapter, TEBE CIS Tunisia Chapter, ENIS IEEE Cybersecurity Unit, REsearch Groups in Intelligent Machines, ENIS IEEE CS Student Chapter, IEEE RAS Tunisia Chapter and D Jagora Foundation, from December 22 to 24, 2023 at the Digital Research Center of Sfax, Tunisia. Cyberdefense is "A global challenge, A national priority" The objective of the 6th I-PROTECT edition is to acquire several skills in Cyberdefense to guard against computer attacks and guarantee data security in Cyberspace. The program will include technical, professional and educational activities presented by highly qualified speakers.



IEEE JUNIOR

CYBERKIDS



The event commenced with an introduction that highlighted the significance of security for the children and the strategies employed to safeguard against attacks and hackers. Screenshots of online publications were presented, demonstrating how to effectively address such issues. A practical exercise resembling a phishing site was conducted, wherein participants were enticed to enter their Facebook passwords for a supposed reward. Some individuals fell victim to the ruse, revealing the importance of understanding online threats. As passwords appeared on the screen, the lesson emphasized the need to protect sensitive data and avoid falling into such traps.

COMPUTER SCIENCE FOR YOUNGLINGS



Having agreed upon a 2 hour session on the 10th of May with the primary school's director, the workshop started at 3 PM and ended at 5 PM in Hay Lahbib 1 Primary School. 13 Students volunteered to help organize and teach the kids. Around 50 primary school students flocked to the workshop. A crowded but excited room was eager to learn. The IEEE ENIS Computer Society Chairman would handle the presentation while the Bureau and other volunteers would each deal with a small group of children to guide them and maintain an orderly workshop. The kids were receptive and enjoyed the session, demanding we would come host more sessions. This will surely motivate them to study harder and pursue the field of Computer Science.

COMMUNICATION



The IEEE WIE ENIS SAG, in collaboration with the EMBS IEEE ENIS SBC and ENIS SB, recently organized a significant humanitarian activity in partnership with IEEE Junior. This project, addressing various crucial themes, made a lasting impact on the community by promoting healthy living, emphasizing hygiene, and fostering environmental responsibility. Beyond physical well-being, the initiative aimed to empower children, providing them with a platform for communication, expression, and meaningful connections. The holistic approach demonstrated a commitment to both individual and collective well-being. The event concluded with a promise to return, resonating with the enthusiastic children who eagerly requested a follow-up. The organizers express gratitude to "EL HABIB" Primary School for generously facilitating this impactful day.

PARTICIAPATIONS

Participation in the IASTAM non-technical challenge



Participation in the PESTGM non-technical challenge



Participation in Computer Society Tech Congress 3.0 : AINS



Participation in the PESTGM technical challenge



Participation in National RoboticsWeekend-NRW

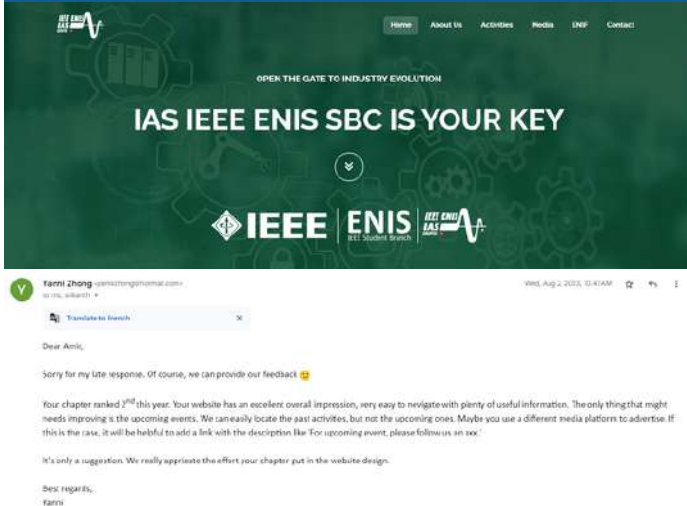


Participation in IAS Annual meeting



AWARDS

Second place : CMD web contest



Second place : PESTGM technical challenge



2023 Outstanding IEEE WIE Student Affinity Group (SAG) award



First place in : PES&IES TSYP Challenge



Third place in : PCB-PM TSYP Challenge



Third place in TSYP Booth Challenge



First place in IEEE Day Video Contest Judges' Pick

