

# IEEE Tunisia Section Newsletter

IEEE Tunisia Section

June 2018

2018 Edition, Vol. 3

## **IEEE Tunisia Section Chair's column**

IEEE Tunisia section becomes one of the largest professional and scientific association in Tunisia with more than 2500 members. More than 300 IEEE volunteers are working hard to organize great national and international activities, to participate in international competitions, and to develop technical projects dedicated mainly to advancing technology for humanity.

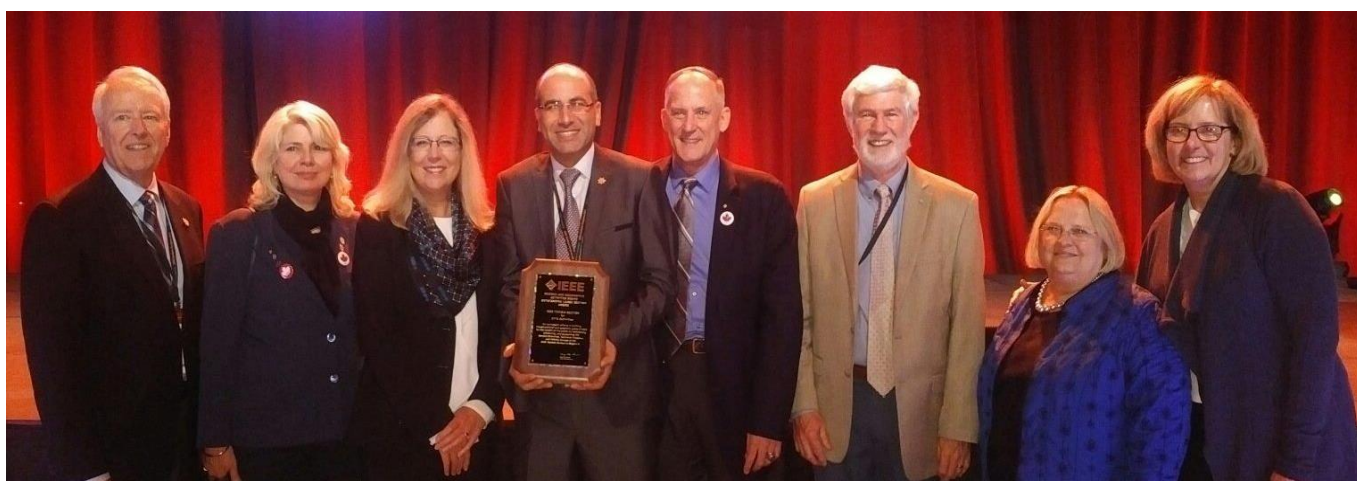
IEEE Tunisia section was honored on August 2017 in Sydney with the IEEE MGA Outstanding Large Section Award, the most prestigious award for IEEE sections.

IEEE Tunisia section succeed to sign MOU with main IT companies (Primatec, Cynapsys, and Logidas) and MOU with well known organizations (ALECSO and TAASTI). These agreements will enhance our IEEE activities in Tunisia.

During this year, we will be honored by the visit of the 2018 IEEE president Jim Jefferies to Tunisia on 28 June to celebrate the 10th IEEE Tunisia Section Anniversary!

As always, we encourage you to contact us by email to <tunisia-officers@ieee.org> if you need any help. Your remarks and suggestions are very welcome!

*Habib M. KAMOUN, IEEE Tunisia  
Section Chair*



## **IEEE Tunisia Section was recipient of the IEEE MGA Outstanding Large Section Award**

From Left to Right: James A. Jefferies (2018 IEEE President), Marina Ruggieri (2017 IEEE Technical Activities Director), Karen Bartleson (2017 IEEE President), Habib M. Kammoun (2015-2018 IEEE Tunisia section chair), Barry L. Shoop (2016 IEEE President), Howard E. Michel (2015 IEEE President), Mary Ellen Randall (2017 IEEE Member and Geographic Activities Director), Cecelia Jankowski (IEEE Member and Geographic Activities Managing Director)

## Section News & Highlights

### Section ExCom Meeting, December 2017

ExCom members to present their achievements towards their projects presented in the previous ExCom meeting.

First, the section chair presented

M. Bouguerra and I. Cherif provided also a talk about previous and next students activities especially the MESYP and the TSYP 2017.



IEEE Tunisia Section ExCom

**The ExCom meeting was a good occasion to discuss the section actions towards IEEE 2019-2020 strategy**

The 5<sup>th</sup> edition of the ExCom took place at the El Mouradi Palace Hotel in Sousse El Kantaoui on 16-17 December 2017. The meeting was a good occasion for

the main activities organized by the section during 2017. A great highlight was provided for the awards won by the section and its entities, especially the Outstanding Large Section Award delivered by the IEEE MGA Board. He also thanks the efforts made by all the ExCom members to reach such milestones. Then, M. Neji, the section treasurer presented the 2017 financial report.

One of the main items discussed during the meeting was the 2019-2020 section strategies. A. Alimi provided a talk resuming the IEEE strategy for the next years, and members discussed their vision towards every target point.

J. Ezzine, one of the founders of the section, provided a talk about how to make Tunisian IEEE members efforts more effective and efficient for the Tunisian economy and society. He also presented an overview of the UNESCO Chair on Science, Technology and Innovation Policy. Finally, a memorandum of understanding was signed between the IEEE Tunisia section and the UNESCO Chair on Science, Technology, and Innovation Policy for experts' exchange, joint projects, and capacity building joint programs.

The ExCom was also an opportunity to discuss the chapters and affinity groups priorities, and achievements.

*Reported by Amin ZRIBI, Tunisia Section Newsletter Editor*



**H. Kammoun (IEEE Tunisia Section) and J. Ezzine (UNESCO Chair on Science, Technology and Innovation Policy)**



## IEEE MESYP 2017 in Tunisia, A big success!

collaborate, and to increase effective networking, discover new cultures and get introduced to new technologies.

technical and professional activities, and helped therefore IEEE members gain significant knowledge in different aspects of their future

MESYP participants photo



The 5th IEEE Middle East Students and Young Professionals (ME-SYP) congress was held on 1-4 August 2017 in Ramada Plaza Hotel in Tunis, Tunisia. The event was organized by IEEE INSAT Student Branch.

Highly renowned international guest speakers and VIPs from Egypt, Jordan, Pakistan, Greece and more were present at the MESYP congress in order to share their experiences, knowledge, interact with participants and provide them

careers.

The Delegation Of Aspiration (DOA) competition was organized between IEEE student branches, and

**the MESYP congress brought together 195 participants, mainly from the MENA region.**

MESYP organizers and M. Anouar Maarouf (Tunisian ministry of the communication technologies and digital economy)



In this edition, the MESYP congress brought together 195 participants, mainly from the MENA region, in order to learn, to interact, to

tools to help them sharpen their skills as well as their social impact.

The program included Humanitarian, social, educational,

the winner, which will organize the next edition of the MESYP Congress in 2019, was announced during the closing ceremony after being able to successfully fulfill all the requirements of the competition phases. The organization of the congress was under the high patronage of Minister of Communication Technologies and the Digital Economy of Tunisia Mr Anouar Maarouf. MESYP was also honored by the active participation of the IEEE President, Karen Bartleson, and the IEEE R8 President Elect Magdalena Salazar Palma.

*Reported by Skander MANSOURI*

## IEEE Leaders visit to Tunisia 2017

Being the 2017 IEEE MGA Outstanding Large Section, the IEEE Tunisia Section was honored by the visit of Karen Bartleson, the IEEE President and Magdalena Salzar Palma, the IEEE R8 President-Elec from 1 to 6 August 2017.

Magdalena first participated to the opening ceremony of the MESYP congress and provided a talk about IEEE benefits.

August, 3rd IEEE leaders had a meeting with Mr. Khalil Lamiri, Secretary of State to the Minister of

opportunities to promote collaboration in various areas, especially the promotion of young

education, and a wider impact of engineering innovation on local development.



### Meet IEEE Leaders

Celebrating the 2017 IEEE Outstanding Section Award!

**Date:**  
04 August 2017

**Time:**  
16:30 to 19:00

**Location:**  
SESAME University  
Elgazala Technopark  
Tunisia



Karen Bartleson  
(USA)  
IEEE President



Magdalena Salazar Palma  
(Spain)  
IEEE R8 President-Elect

**IEEE Leaders with representatives from the higher education ministry and M. Khalil Lamiri (Tunisian secretary of state in charge of scientific research)**



Higher Education and Scientific Research in charge of Scientific Research. They discussed

leaders, women in engineering, the development of ethical standards in research and in engineering

The Gala dinner of MESYP started by a word from IEEE President Mrs Karen Bartleson, who joined the celebration at the second day of the event.

During the IEEE leaders visit, IEEE Tunisia Section organized in partnership with the SESAME University at the Elgazala Technology Center, on Friday 4 August 2017, a scientific seminar where all IEEE Tunisian members were invited to discuss with IEEE leaders.

*Reported by Amin ZRIBI, Tunisia  
Section Newsletter Editor*





## Tunisian Student & Young Professional (TSYP) Congress 2017

### The Report

December 2016 was the beginning of a new challenge, IEEE ENIS SB got Tunisia Section SBs trust to

#### TSYP 2017, another opportunity from IEEE ....

organize TSYP 2017 Congress. We started preparing to host the fifth edition of the Congress. We formed groups of IEEE ENIS SB volunteers.

A real opportunity to improve our competence, enlarge our experience, and to work more on our soft and technical skills. From the beginning we tried our best to leave an imprint on this Congress. First, we worked on

improving communication between the organizing committee and all SBs, so we appointed an ambassador from each SB which was very helpful. Many thanks to all the Ambassadors and SB Chairs for their collaboration. Second, we encouraged SBs to work on Chapters Activities so we contacted CS, IAS, PES and RAS Tunisia Chapters and they were cooperative.

A lot of members especially new IEEE members who attended the TSYP have discovered a lot from Chapters Sessions, affinity Groups were present also YP WIE and "SIGHT" also had a special session. Tunisian and foreign quality Speakers were planned:

- P. Magyar, IAS CMD Chair
- T. Sebastian, President, IAS
- T. Lahdhiri, Strategy Leader for Real-Time Control Systems Simulations and Automation, General Motors
- A. Rubaai, Chair of the IAS

#### TSYP 2017, A real opportunity to improve our competence, enlarge our experience, and to work more on our soft and technical skills

Publications Department and an Executive Board Member

- B. Jamoussi, TSB at ITU
- W. Mathlouthi, Innovation technologist at Google





- N. Bardaa, IEEE R8 Professional Activities Speaker.

December 17th was the Big day it was so tiring very stressful especially with the task of "Check In" of more than 650 participants but in the end of the day it was extremely rewarding, it was the fruit of a year of hardworking and sacrifices from IEEE ENIS SB Volunteers. Almost everything went as it was planned from the Opening Ceremony till the party. The first day was memorable, for both Organizers and Participants. The second day was full of SBs hardworking, the presentations

showed the efforts that Tunisian SBs are doing: many activities and many projects. IEEE is growing faster and faster in Tunisia. The selection made ENIT, INSAT and ENSI SBs finalists and the third day was fantastic. Teams showed up Hard working results, the presentations and the debating session were amazing. The competition was intense, even in the voting session until the last vote we didn't know who will be the winner. INSAT SB won the Contest. We would like to congratulate them, we will strongly support them and we will be always available for help.

## MD Statistics, May 2018

By the end of May 2018, Tunisia Section counts 1678 members as follows:

IEEE Current Grade Description	Count of Members
Associate Member	5
Graduate Student Member	189
Member	129
Senior Member	69
Student Member	1286

Currently,

- ◆ 590 members for WIE AG
- ◆ 22 members for YP AG

It wasn't easy to organize the largest congress in the region 8 with nearly 700 participants and more than 25 SB in this edition but finally Tunisian IEEE members achieved this Goal.

*Reported by Mezri AZAIEZ, TSYP 2017 Coordinator*

## IEEE Tunisia Section Awards 2017

The 2017 TSYP was a good occasion to hold the IEEE Tunisia Section Awards ceremony. Six awards were delivered, and the recipients are:

Award Name	Winner(s)
Outstanding Student Branch Award	IEEE ENIT Student Branch
Outstanding Student Chapter Award	IEEE IAS INSAT SB Student Chapter
Outstanding Student WIE Award	IEEE WIE ISSAT Sousse Affinity Group
Outstanding Chapter Award	IEEE RAS Tunisia Chapter
IEEE Student Publication Award	Sobhi BARG
IEEE Publication Award	Amin ZRIBI
Outstanding Achievements Award	Abir CHERMITI

Be ready for the 2018 Tunisia Section Awards. IEEE Tunisia Section is offering the same awards for IEEE sub-units and IEEE members in Tunisia.



## **Affinity Groups Activities and News Recognition to IEEE Tunisia Section WIE AG**

IEEE Tunisia Section WIE affinity group was awarded the Honorable mention for the 2016 IEEE WIE AG of the year. The IEEE WIE Tunisia Affinity group was established in August 3, 2009. It counts 720 WIE members by 12 February 218. The IEEE WIE Tunisia AG encourages the establishment of Student Affinity Groups (SAGs).

### **WIE Rule, IEEE ENIT SB**

IEEE ENIT WIE affinity group made amazing work and endless efforts during the first part of the year. Starting with a Yoga session right after the

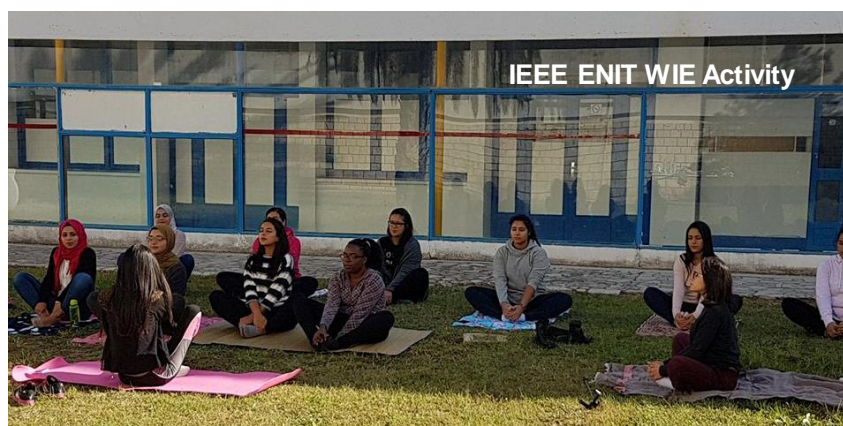
vibes. It is always the right time to get a fresh start. After that, an innovation workshop took place in collaboration with the TEMS chapter. The goal was too simple; to make a road with a height of 2 meters that the egg can go through safely. The main objective of this workshop is to unleash the creativity and the innovation of IEEE ENIT SB members. A workshop titled "How to succeed our life project" led by Mrs. Leila Ammar dedicated to women engineers to prepare them and push them to swim deep into the professional world. A leadership workshop session led by the beautiful coach Amina Ellouze who, as always, amazed us with her memorable sessions about

## **Latest news: Region 8 Women in Engineering Section Affinity Group of the Year Award goes for Tunisia WIE AG**

Congratulations to **IEEE Tunisia WIE AG** selected as the 2018 Region 8 Women in Engineering Section Affinity Group of the Year! This is another proof that this AG is one of the best and hardworking affinity groups at the national and regional levels.

Currently, it counts 15 SAGs. The Award is a demonstration of IEEE WIE Tunisia AG activities at the national and international levels. IEEE WIE Tunisia AG helped and supported the WIE Student Affinity Groups in the organization of different events. The committee members attended these events in different Tunisian cities to encourage students to join IEEE WIE and to promoting women engineers and scientists.

exams week with the incredible coach M. Ghribi on the 11 of November to get rid of all the stress and negative





how to be reach the leader in you. The answer is in YOU.

charities as a pre-preparation to their visit to SOS Gammart

world got out there: from scientific experiences to aeronautic exhibition that astounded them. We are here to give them hope; hope that this world is worth living and worth fighting for.

*Reported by Roua OUESLATI, IEEE ENIT SB General Secretary*

### **Latest news: 2018 Region 8 Outstanding Women in Engineering Section Volunteer Award goes for Ms. Ilhem Kallel from Tunisia**

Congratulations to **Ilhem KALLEL**, selected as the 2018 Region 8 Outstanding Women in Engineering Section Volunteer.

As an exceptional closure before winter vacations and as a part of STAR program, IEEE ENIT WIE affinity group prepared a booth during a whole week at ENIT to collect

that took place on the 26 of November. The visit was not just about spending time with the children, it was more to educate them and to give them a glance about what the

### **Video Contest of Smart Projects Award**

For the STAR projects contest, ENIS WIE affinity group taught kids astronomy and the science of the stars. With Presentations, storytelling, quizzes and hand-crafted activities, the La couplele primary pupils were so delighted and enlarged their vivid imagination to reach to furthest corners of our vast universe. We had such a pleasure teaching them and we are glad that our work was awarded by winning the first prize in the contest.

*Reported by Feriel KSIKSI, IEEE ENIS SB Member*

### **Latest news: 2018 IEEE WIE Inspiring Student Member of the Year Award goes to M. MANNAI from Tunisia**

Congratulations to IEEE WIE ENIM student affinity group chairwoman **Mayssa MANNAI**, selected as the 2018 IEEE WIE Inspiring Student Member of the Year Award!



## My IEEE Benefit

### Professional networking

IEEE membership provides many benefits to all members' categories. In this issue, we will focus on **how IEEE membership can help members to network with other IEEE members who share similar interests**. The IEEE Member can build a network revolving around his profession, industry or projects.

### Meetings, Conferences & Events

IEEE Meetings, Conferences & Events is a dedicated partner made up of event industry experts driven to shape innovative and high quality events. IEEE MCE specializes in event management including registration, audience development and program design; as well as sponsorship, publications and financial management for more than 1,800 annual events worldwide.

Link: <http://ieeemce.org/>

### GoogleApps@IEEE

With GoogleApps@IEEE, members gain a robust capability for messaging with access to email, calendar, and contact services from any Internet-connected computer. In addition, members will also have access to Google Drive, Google+, and Picasa. With the use of these services there are varying degrees of privacy.

GoogleApps@IEEE is available to

members at no additional cost.

Users will have access to:

- A unique IEEE email address (e.g., Flen.benflen@ieee.org)
- 30 gigabytes of shared storage (Gmail and Google Drive)
- 99.9 percent up time guaranteed by Google
- Advertisement-free Gmail
- Use Google Hangouts for messaging, voice and video calls

### IEEE Collabratec

IEEE Collabratec is an integrated online community where technology professionals can network, collaborate, and create all in one central hub. The IEEE Collabratec online community offers a suite of productivity tools and is available to technology professionals around the world with exclusive features for IEEE

members. Plus sign up is free to everyone. IEEE Collabratec can help you:

- Connect with global technology professionals by location, interests and career pursuits
- Access robust networking, collaboration, and authoring tools dedicated to technology professionals
- Establish a professional identity to showcase accomplishments.

### IEEE memberNet – The IEEE Member Directory Online

IEEE memberNet is an online search and networking tool that allows members to connect with technical and engineering experts worldwide. This tool can be utilized by members seeking peers who share a common technical interest, membership, or affinity.

## Call for Sponsorship

We are pleased to invite interested companies working on fields related to IEEE activities to be one of the sponsors for our upcoming newsletters. The sponsorship can cover the printing charges for the next IEEE Tunisia Section Newsletters, and the sponsoring company will benefit from including advertisements in the Newsletter that will reach thousands of leaders, students and engineers operating in the technology fields. If interested please contact the newsletter editor.

## Students Activities and News

### IEEE ISI student branch

IEEE ISI SB organized a Keynote Speech on IoT and 5G Applications provided by Wael Guibene from Intel Corporation, USA. The event took place at ISI on December 15, 2017. Wael Guibene is a Systems Modeling Engineer within SSG at Intel. Prior to this position, Wael was a Research Scientist at Intel Labs Europe (headquartered in Ireland) working on next generation Internet of Things technologies and protocols and their applications in industrial IoT, smart cities, precision farming. His research/expertise include: 5G and beyond technologies, M2M/ IoT, E2E system architecture, Cyber-physical systems.

*Reported by Mohamed Laaraiedh, IEEE Conference coordinator*

### IEEE ENIG student branch, Energy: A Mighty Rise

Energy: A Mighty Rise is an event held in ENIG on 9 December 2017, which brings together scientists and experts in the field of energy to present conferences in the terms of

"Effective energy", "solar energy" and "oil and gas sector". The conferences were delivered by experts from SEREPT, ANME, Qatar Petroleum and Green Power. This event aims to broaden the knowledge of students and presenting the new strategies used nowadays in the field of energy (renewable and non-renewable)

*Reported by Fairouz Fattoum, IEEE ENIG SB Chair*

## Conferences in Tunisia 2018-2020

- ◆ 19-22 March 2018: 15th IEEE International Multi-Conference on Systems, Signals and Devices (SSD)
- ◆ 21-24 March 2018: 4th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP)
- ◆ 22-25 March 2018: International Conference on Advanced Systems and Electric Technologies (IC\_ASET)
- ◆ 28-30 March 2018: 4th IEEE Middle East Conference on Biomedical Engineering (MECBME)
- ◆ 12-15 October 2018: IEEE International Conference on Smart Materials and Spectroscopy (SMS'2018)
- ◆ 1-4 November 2018: International Conference on Communications and Networking (ComNet)
- ◆ 15-18 November 2018: International Conference on Smart Communications and Networking (SmartNets)
- ◆ 13-16 April 2020: IEEE Region 8 EnergyCon

### The echo of IEEE ENIT SB

IEEE ENIT SB will take the lead this year as the outstanding student branch in Tunisia with the most creative and hardworking crew. We quote "We think big, we dream big but we work bigger..." A huge step made within our student branch helped us get a clearer vision about our work this year. It is the IEEE ENIT SB RETREAT. The RETREAT



IEEE ENIT SB  
participation to TSYP



held in a coworking space was a perfect way to prepare the team with the help of our mentors to set the goals of this year and to simulate the creativity within us. Thus, IEEE ENIT SB decided to work simultaneity on different axes. From holding big events such as IEEE DAY, Xtreme with the presence of both IEEE DAY and Xtreme ambassadors within the SB. To an enormous amount of technical activities within its chapters like CS, TEMS, IAS... And of course, an outstanding participation of the WIE Affinity group through its humanitarian actions spreading hope and knowledge. It is worth announcing that we celebrated during the booth session in TSYP 2017 and on stage the official approval of our IAS Chapter and still waiting for the others. However, the work is always on the process. To crown all, we are drawing our own path to success, to reach higher goals and to meet higher expectations. Winning the second place in the TSYP competition was the best closure but the story has not ended yet, it has just started.

*Reported by Roua OUESLATI, IEEE  
ENIT SB General Secretary*

## IEEE ENSI SB, TSYP Simulation event

On December 18th, 2017, was organized the Tunisian Students and Young Professionals congress (TSYP) in Sousse, Tunisia. This congress includes a number of workshops and conferences as well as a competition to decide which SB will organize the next edition of TSYP. To prepare for this competition, IEEE ENSI SB organized the first edition of ENSI SYP. This event was meant as a simulation of the second and third phases of TSYP where participants try to come up with an innovative



project idea to solve a problem their community is struggling with. To prepare its members, IEEE ENSI SB organized two workshops: the first workshop was about design thinking. It took place on November, 25th and was animated by Ines CHENIOUR from IP-Tech Group. The second workshop was about techniques of presentation and communication. It took place on October, 25th and Ayoub KALLEL was the coach who conducted the workshop. This was the first part of ENSI SYP. The second part was an actual simulation of the second phase of the TSYP Competition. The participants gathered in Technopole Mannouba and four project themes were delivered to them randomly. Each team, upon receiving their theme, began to work on their ideas, plans and how to finance their project. After lunch, the judges (who

were a team of our mentors and two Executive Bureau members) attributed scores to the work of each team. Then, each team chose a representative to present his team's project. Then, three teams were selected to the final phase based on their project idea and their presentation. This phase consists of preparing a plan for a one day congress, the three teams were asked to prepare the program, the venue and the sponsoring plan. Each team was asked afterwards to present their work. Lastly, a debate took place between the participants, the jury and the representatives from the three teams. This was meant for the representatives to defend their propositions and emphasize on the good and innovative points of their plan. At the end of the day and after long deliberation and voting, the winner

## Call for contributions September 2018 Newsletter

The next issue of our biannual *Section Newsletter* is for September 2018. This is a call for contributions with the **deadline of 10 August 2018**. No matter your position, your contribution is very appreciated to show all the achievements of your IEEE entity. Contributing to the newsletter can be done through the form available at: <http://ieee.tn/activities/newsletter/> or simply by sending your reports to [amin.zribi.tn@ieee.tn](mailto:amin.zribi.tn@ieee.tn).

team earned free participation in this year's TSYP Congress. ENSI SYP was the first of its kind and it certainly will not be the last, it was a good exercise aimed not only to prepare the participants for the TSYP competition (in which they were one of the three finalists selected at the end of the second phase) but also to train them to be creative, to tackle some of their communities' problems and to make them able to present their ideas in a professional and fluent way.

*Reported by Ahmed MILADI, IEEE  
ENSI SB Social media manager*

## **TunED2k18 by IEEE ENIT SB**

The 7th of April was a special day for all the Tunisians Engineers who were all invited to gather at the National Engineering School of Tunis (ENIT). Everyone came for

one reason, to celebrate the Tunisian Engineering Day in its third edition. TunED, inspired from the Egyptian Engineering Days (EED), is an annual summit that gives the opportunity to create a large gathering of students, young professionals and experts from different fields. Our high profile guests shared their rich experience in their respected fields, their volunteer work as IEEE Tunisia Sections members and discussed the latest technological achievements and studies of our time. Also, IEEE ENIT Student Branch, the exclusive host of the event, takes the lead to present and fully explain its projects to the elite members of engineering field from all over Tunisia. In its latest edition, TunED has tackled the latest engineering themes. To start with, our first conference animated by Dr. Mohamed El Ouadi, a professor

in Tunis higher Institute of Management and the Mediterranean School of business, who talked about the new technology of Block chain. Our second conference hosted by Mrs. Nihel Ben Youssef who focused global attention on hacking, its news and techniques used by hackers of today's. The conference, titled Cyber Security, was smoothly animated by a high profile who is an assistant professor of Cyber security, OWASP Chapter Leader and IEEE industry Ambassador Tunisia Section. IEEE ENIT SB did not only present the world's latest technologies but also the latest Tunisian inventions. We were honored to welcome the technical manager of WallysCar Mr. Raouf Mattoussi to deliver one of the most touching speeches about the dream of the first Tunisian manufactured car. The round table brought

## **Call for Participation - World Robot Olympiad (WRO) Tunisian qualifications - 30 September 2018**

Robotics is a wonderful platform for learning 21st century skills. Solving robotic challenges encourages innovation and develops creativity and problem-solving skills in students. Because robotics crosses multiple curricular subjects, students must learn and apply their knowledge of science, technology, engineering, math, and computer programming. The most rewarding part of designing robots is that students have fun. They work together as a team, discovering their own solutions. Coaches guide them along the way, then step back to allow them their own victories and losses. Students thrive in this supportive and immersive environment, and learning occurs as naturally as breathing air. At the end of the day, at the end of a fair competition, students can say they did their best, they learned, and they had fun.

The 4th World Robot Olympiad (WRO) Tunisian qualifications was successfully organized in the National Engineering School of Sfax, in cooperation with the IEEE ENIS student branch, on 23rd September 2017. 28 teams participated in the qualifications day to 5 categories. Each team consists of one coach and three team members. The Jury selected one winner in each category which are qualified to participate in World Olympiad Robot (WRO) in its 14th edition which took place in San José (Costa Rica) on 10-12 November 2017. [www.wro2017.org](http://www.wro2017.org)

The 2018 challenge will be organized on 30 September 2018 in the Sfax International Fair. More details are available on the competition website: <http://wro.ieee.tn/>



together some of the best-informed and qualified guests to discuss the matter of Tunisian engineers immigration. The debate aimed mostly to keep the big picture in mind and think laterally about solutions. With the presence of Mr. Habib Kammoun the president of IEEE Tunisia Section, Mr. Jalel Ezzine the senior IEEE member, Mrs. Insaf Cherif representative of the order of Tunisian engineers and Mrs. Imen Ayari professor in Mediterranean School of Business, the round table was a huge success engaging all the audience to participate and to speak up their opinion. Lunch, coffee and Tunisian music breaks were a perfect chance to let the participants networking

with each other and with our guests who were very pleasant to engage in every conversation. The day had a closure with a competition for bold ideas and innovative thinking. TunED was the reflection of infinite work and efforts of our entity. Each and every one contributed to build stone by stone this event. Together, we dreamed this day. Together, we fought to achieve this success.

*Reported by Roua OUESLATI, IEEE  
ENIT SB General Secretary*

### **IEEE ENIS SB - Ozark Section (region 5, USA) cooperation**

The dynamism of IEEE and its global presence makes it one of the

most prominent organizations worldwide in promoting science, research and technology. The regular conferences and events held annually do encourage interaction and cultural exchange between different sections, chapters and student branches of the organization. However, other forms of cooperation take place from time to time, thanks to the openness and dedication of the young members who wish to create direct channels of communication with their peers of IEEE. This was the idea behind a diverse cooperation initiative launched in 2017 between two SBs of different continents; the IEEE ENIS SB in the University of Sfax, Sfax, Tunisia and the IEEE Ozarks

## ***PES Student Congress 2018: IEEE Tunisia Section will be represented by 8 Students***



# 24 - 27 August 2018

UFABC - São Bernardo do Campo - Brazil

**Host**



**Support**



The IEEE PES Student Congress is a worldwide event created by PES (Power and Energy Society) of IEEE, with transitional hosts whose mission is the exchange of knowledge of students and professionals focused on technological diffusion, enhancing the learning of extra skills in specific areas of activity. This event brings together members of PES student chapters from several universities around the world, as well as newly trained professional members, to exchange experiences, present student chapter projects, meetings among presidents, and other activities. The Third IEEE PES Student Congress, will be organized by the IEEE PES Professional Chapter of the South Brazil Section and supported by the IEEE UFABC Student Branch. It will be one of the most important events in the world in the areas of Electrical Engineering, Electronics, Computing and correlates for students and youth members of the IEEE Power and Energy society. 9 IEEE Tunisian students from INSAT, ENIS, ENET'Com, ENIG, ENIT, ENIM, ENISo, ISSAT Sousse, and ESPRIT will participate in the 3rd IEEE Power and Energy Society Student Congress, from 24 to 27 August 2018 in Brazil. Good Luck!

Section of the University of Arkansas, Arkansas, USA. The story started in April 2017, when Housseem Azzouz a Tunisian exchange student of the Thomas Jefferson Scholarship Program decided to pay the IEEE Ozarks a visit, in the Bell Engineering Center of the University of Arkansas. The goal was to get involved in the activities of the SB and to meet other IEEE members and to see if they're open to discover and interact with other SBs across the Atlantic Ocean. The response of professor Robert Saunders of the Ozarks section was very positive, not only did he support the idea, he also expressed his enthusiasm to start working on it right away. Therefore, the "Sfax-Arkansas cooperation initiative" was born. Following a brainstorming session, two projects emerged: online PhD thesis presentation sessions and a brief exchange visits of students from both sides. The preparation for the PhD Thesis Presentations started in June, when a third university; The National University of Colombia decided to join. Three sessions were scheduled on the months of September, October and November. Matt Francis of the Ozarks Section and Ghaith Jday from ENIS SB took care of coordinating the online presentations. The presentations were successfully held, enabling more than 9 PhD students from all universities to showcase their research and share their progress with other interested researchers. Besides the academics, this was an opportunity for several students to engage in scientific and cultural conversations with their peers. In fact, the participating and attending Tunisian and American students started building ties and constructing bridges between two different countries of different



IEEE ENIS SB, Ozark  
Section cooperation

cultures. The second project consisted of creating exchange between the two universities and developed by the student branches. The first set of the exchange waves involved a visit of four Tunisian students to the campus of the University of Arkansas Fayetteville. The visit was partly funded by the Public Affairs Section of the United States embassy in Tunis. It lasted ten days from October 6th to October 16th and it was a rich one. The participants met the Ozarks Section members and engaged in several on-campus events and even took some classes with the U of A students. The experience was excellent and the students were highly satisfied, they had enriching interactions with fellow IEEE members and were amazed by the quality and the warmth of the welcome. The next exchange wave will take place next spring when US students will head to Tunisia to participate in the annual Tunisian WIE event. It will be an excellent opportunity for both sides to build on the previous exchange and enjoy their time while building outstanding professional relationships. Overall, the experience was culturally and academically rich. Members of both student branches shared knowledge and joyful moments and formed new friendships. The success of the

first cooperation between the two universities will hopefully mean that more is going to be planned for the future. Perhaps 2018 will know the expansion of the activities and the scope of the participating institutions. One thing is for sure; the global essence of values that IEEE defends, encourages similar initiatives within this big family.

*Reported by Ghaith JDAY, IEEE PES  
ENIS Student Chapter Chair & Vice  
manager of IEEE ENIS SB*

## IAS IEEE INSAT SB taking new initiatives

IAS IEEE INSAT Student branch came up with a new idea this year and organized the first ever held Industrial forum on Renewabe Energy. The event was held at INSAT on April 7th. It was IAS' first edition and certainly not the last one. The main goal was to promote the renewable energy sector in Tunisia and encourage students to take the opportunity to work on this field. IAS IEEE INSAT SB focused on really involving all members in order for them to be satisfied and keep on leading the future generations within IAS IEEE INSAT SB. Furthermore, this year, IAS continued to work on giving the



opportunity for members to go on industrial visits to provide them with basic knowledge about work in industry and bridge the gap between corporate and students. We paid a visit to SEA LATELEC, a Tunisian subsidiary of the LATECOERE group, the world No. 2 aeronautical cabling and specializes in production of cable harnesses and aircraft equipment on board, and a visit

to Karmex Grombalia, which specializes in the manufacture of steel piping and piping for the automotive sector. In addition, IAS organized multiple certified training sessions mainly in: LABView, Quality management systems as well as Lean Manufacturing and Management. And last but not least, IAS IEEE INSAT SB also worked on organizing workshops as they are a great

way to learn and sharpen skills, meet experts, influencers and Network. We started with a workshop on problem solving in order to guide students on how to come up with innovative ideas and work on projects. A workshop on Biomass, Photovoltaic panels and storage and piezoelectric was, then, led by Mr. Miladi Mansour expert Ph.D. student and professor at ENIT and Ms. Saidi Rafika Ph.D.

## ***SYP 2018: 30 Students and YP from IEEE Tunisia Section will be there***



The IEEE R8 Students and Young Professionals Congress is the largest student event in all region 8. It occurs every two years and gathers both students and young professionals members from all Sections in this Region. The primary goal of the SYP Congress is to enhance and foster the engineering sense and capabilities through different activities, exchanging experience and knowledge between young professionals and students from different parts of the world. The social activities during the Congress are a great networking opportunity to start international collaborations. Another goal is to provide the opportunity for students and the industry to get in touch with each other, so decisions or plans for a career, later on, can be made and guidance and advice for students can be given. Participants can take advantage of the event program tailored to the core goals of IEEE, focusing personal and professional growth altogether expanding their IEEE network of contacts and friendships. This year's event will be organized in Porto, Portugal from 25 to 29 July. 30 IEEE Tunisian Students and Young Professionals will represent Tunisia Section, their universities and schools in Portugal. Good luck for them.

student in biology from INSAT and finally, a workshop on supply chain which was conducted successfully and amazingly by Mr Ouséma Azouzi. Warm thanks go to all the trainers for their support, and all of the IEEE members who continuously contribute to our Student Branch, for their efforts, motivation and determination to keep on creating a better future.

*Reported by Aya BOURGUIBA, IAS  
INSAT Chapter*

### **IAS IEEE ESPRIT SB, SITIC Africa event**

In partnership with Tunisia Africa Export, IEEE ESPRIT Industry Applications Society- IEEE ESPRIT SB had the

immense honor to organize SITIC Africa 2018 from 10th to 12th April 2018. This great ICT event in Africa gathered alongside decision-makers from Tunisia, Africa and elsewhere.

SITIC AFRICA in its third edition, is an unmissable event for ICT Pioneers, African business leaders, IT professionals and decision makers who are coming to take part of one of the biggest trade shows in AFRICA and consider new opportunities for non traditional cooperation. SITIC AFRICA aims to be the ultimate African platform for partnerships, business and exchanges serving IT companies in Tunisia and abroad.

*Reported by Ahmed LIMAM, IAS  
ESPRIT Chapter Chair*

### **Industrial visit to Karmex by IEEE IAS INSAT Chapter**

KARMEX, Grombelia, founded in 1993, is a manufacturer of steel piping and piping for the automotive sector. As part of IEEE "Action for industry" Initiative, IEEE-IAS INSAT chapter gave the opportunity to the participants of the industrial visit to explore its universe and have a deeper insight into the field of automotive pipe production and manufacturing.

*Reported by Nihel Ben Youssef, IEEE  
Industry Ambassador. Tunisia Section*

## **Memorandum of Understanding signed by Tunisian Companies and IEEE Region 8.**

In the context of IEEE Action for industry Initiative, supervised by Nihel Ben Youssef, the section industry ambassador, IEEE Tunisia Section has concluded partnerships between IEEE R8 and the Companies : Logidas, GoodWill, Satoripop, Primatec and Cynapsys. By signing a Memorandum of Understanding (MoU), each company should offer internships providing mutual benefits:

- Work Experience to Young Engineers and Access to highly able Young Engineers
- IEEE for its part undertakes to vet applicants from its base of young engineers, and to submit to the companies a selection of capable and personable undergraduates and postgraduates
- IEEE Senior Members and Fellows are provided as Mentors to junior engineers and interns

Once agreement achieved, companies has proposed internship offers. The company's offer of internships will be made visible to students widely through the website of the IEEE Region 8 ([www.ieeer8.org/category/internships/-/](http://www.ieeer8.org/category/internships/)) and by trawling by eNotices to the entire student and young engineer community.

IEEE Tunisia section is a bridge from Companies to IEEE. We strongly encourage local companies to contact us to get all the benefits of IEEE "Action for industry" Initiative. Don't hesitate to contact Nihel Ben Youssef, the IEEE Industry Ambassador, Tunisia Section ([nihel.benyoussef@ieee.org](mailto:nihel.benyoussef@ieee.org))



## IEEE Tunisia Section Portraits

**Abir CHERMITI**

*Q. How did you joined IEEE first?*

In the summer of 2014, I was starting my Engineering path, where I was thinking of what does it mean being an engineer who doesn't know what's going on outside the campus, what does it mean being an engineer without taking action to "engineer" the world, the way we dream of and what does it mean an engineer without being connected to other engineers, this is how I joined the world's largest professional organization of engineers – IEEE.

**" what does it mean being an engineer without taking action to "engineer" the world."**

*Q. How things have progressed since that moment?*

Every day was a new discovery for me as an IEEE member, and I get to know more about it, and never cease to amazed me by how big this



across the world, different cultures, different backgrounds and different fields of interest but what bring us all together is this one vision. I co-founded the SB in my University "ISSAT Sousse" with my mates and I was the Secretary, where I learned a lot. Knowing about IEEE programs gave me the chance to connect with a huge network of professionals and gave me the opportunity to volunteer in global programs that broaden my horizons and grow the SB in my university, by establishing Technical chapters

*Takes pleasure in presenting this certificate to*

**Abir Chermity**

*as the recipient of the*

**2017 IEEE Women in Engineering Inspiring Student Member of the Year Award**

*For her contributions in WIE community in her area, and the ability to inspire her colleagues, men and women, to work toward the betterment of humanity*

*Bozenna Pasik-Duncan  
Bozenna Pasik-Duncan  
IEEE Women in Engineering Committee Chair*

organization is and how extraordinary are the IEEE members. I never tried before to be virtually connected with people

and the Women In Engineering Affinity Group – a new adventure itself.

*Q. Can you mention one of the major highlights you had with IEEE?*

Well, its hard, but in 2016, I was selected to represent Tunisia for the first time in IEEE WIE International Leadership Conference in Silicon Valley, CA-USA one of the largest IEEE conferences. I look back to this experience and I see how much IEEE changed the person who I'm to a

**"Being an IEEE member means you are an IEEE Ambassador wherever you go"**

challenger, a powerful woman and a risk taker.

*Q. What are the challenges you faced as IEEE ISSAT Sousse SB Chair?*

Being the Chair of a fresh IEEE unit like IEEE ISSAT Sousse SB and leading young IEEE members was a challenge. This challenge was a learning experience for me, my goal was always to give back what I'm learning and involve the members in IEEE programs. Our vision was to implement the IEEE volunteering spirit in members and build a generation of IEEE leaders.

*Q. Your activities have gone well also beyond the scope of the SB ?*

Absolutely! I think the SB experience is very important if you want to be an IEEE leader, because it's the learning phase where you are so close to the students to understand their needs.

My experience with the students and as a student and especially with IEEE Women In Engineering, helped me to achieve more. Supporting WIE SAG in the section and globally, representing IEEE/WIE Tunisia in WIE ILC and IAS Annual Meeting, 2016 and 2017, invited to speak in Goa-India and representing IEEE in Microsoft Summit in Seattle and during the connectivity week in Washington DC with many tech

companies. **In 2017, I was awarded as the "IEEE WIE Most Inspiring Student Member of the year 2017"**. The award pushes me to work more to meet the expectations of my community (WIE), and be the leader that everyone sees in me. Recently, I co-founded the IEEE WIE International Leadership Tunisia Summit, the first largest WIE members gathering in Tunisia, that

will be held in August 10-12, 2018 under the theme "Lead Beyond Borders"

*Q. Are you involved in international IEEE activities?*

In 2017, I served as the Branch Chapter Representative at IEEE MGA Student Activities Committee. In 2018, I'm serving as the Chair of IEEE WIE ILS Tunisia 2018 and

Industrial Panel Co-Chair in the IEEE 5G World Forum.

*Q. Would you like to add comments or recommendations to IEEE Tunisia Section members?*

My message for IEEE members is to be a good learner if you want to be a good leader. IEEE is the platform that provide you the tools to develop your professional career and network.





## Chapters News and Highlights

### IEEE Tunisia Education Chapter News

The concern of IEEE Education Society (ES) is to promote the theory and practice of education and educational technology involved in the effective delivery of domain knowledge of ALL fields within the scope of interest of IEEE. In fact, ES has a transverse interest field. Despite of its creation since 2009, the IEEE Tunisia Education Chapter is living since December 2016 a revival period with several relevant activities. In December 2016, ES Tunisia Chapter co-sponsored technically two important events in Tunisia: TSYP (Tunisian Student and Young Professional Congress) in Hammamet, and JIP (Journées Internationales de la Pédagogie) in Sousse. We were also honored by the participation of Pr. Edmundo Tovar as an ES Distinguished Lecturer (DL) for both TSYP'2016 and JIP'2016. He gave an interesting

fruitful year ! ES Tunisia chapter co-sponsored technically the 2nd International Conference on Education (NOOR'2017). We had the pleasure to welcome Pr. Claudio da Rocha Brito and Pr. Melany Ciampi respectively the President and the Secretary of IEEE Education Society. As an invited DL, Pr. Melany Ciampi gave interesting two talks : "Education

#### IEEE Tunisia Education Chapter The revival year!

Society: 60 years of success" and "The Value of Good Engineering Education". The talks were given during NOOR'2017 in Hammamet and ISIMS in Sfax. Our guests are delighted with their visit, a new connection is plugged! Besides, ES Chapter organized a workshop about "Open Data for smart Sfax" during the annual ENET'Com-Student-Enterprises (FEEE'2017) Forum, in collaboration with

groups and propose ideas for future digital projects, using brainstorming via collaborative mind maps. Since the main objective of the chapter in 2017 is to revive the chapter in order to attract additional members and motivate Student Branches to create ES Student chapters, the current executive committee (Ilhem Kallel, Abir Abid and Mouna Abdelkefi) do not miss the opportunities to organize Informational Booths (IB) or plenary talks (PT) to present IEEE community generally and the mission of ES and Education Tunisia chapter particularly. For instance, one IB was established during the 1st Education Forum, at the faculty of medicine of sfax in April 2017. Also, another IB was organized during NOOR 2017 in November in Hammamet, and one during TSYP'2017. One PT was given in the occasion of IEEE day organized by ENET'COM student branch. Another PT was given, by the chair Ilhem Kallel, in front of IEEE leaders guests, Mrs Karen Bartleson, 2017 IEEE President (USA) and Mrs Magdalena Salazar Palma, 2017-2018 IEEE Region 8 Director-Elect / 2019-2020 IEEE Region 8 Director (Spain) ; we are proud that the IEEE presidents appreciated our motivation to revive the chapter and the diversity of the organized technical activities. The end of 2017 is marked by the establishment of the first SB Education chapter in ISET Rades. Others are in coming soon! You are a student, a professional or a teacher! Join us for a brilliant future! You can serve the Education community and can be rewarded!



talk about "Extension of the openness concept for educational purposes as result of advances in the digital technologies". A synergy has just been born! 2017 was a

Tunisian eGov Society and the Commune of Sfax. Animated by Pr. Ilhem Kallel, Mr. Chiheb Bouchnek and Mr. Ahmed Guidara, participants were able to work in

*Reported by Ilhem KALLEL, IEEE  
Tunisia Education Chapter Chair*

## Special Supplement: IEEE Tunisia section 10<sup>th</sup> anniversary

### Special Supplement: IEEE Tunisia section 10<sup>th</sup> anniversary



The IEEE Tunisia Section is celebrating the 10<sup>th</sup> anniversary. This newsletter special supplement is a first attempt to highlight a brief history of IEEE Tunisia Section.

### Foundation

It all began in the spring of 1884. Thomas Edison, Alexander Graham Bell, and other notables founded the American Institute of Electrical Engineers, or AIEE. In 1912 came a new society with an international focus, as well as focus on the new industries of wireless technologies and electronics; the Institute of Radio Engineers, or IRE. AIEE and IRE were behind many of history's world-changing technological developments, such as television, radar, satellites, transistors, computers, and others. On January 1, 1963, AIEE and IRE merged to become the Institute of Electrical and Electronic Engineers, or IEEE.

On March 14, 2008, Mourad Loulou submitted a petition to IEEE with a signature of 37 IEEE members. Then, April 1, 2008 a revised version was submitted with 19 members signatures. The official agreement from IEEE Executive Committee was received on June 21, 2008. The historic moment for Tunisia Section is illustrated in the formation letter. 9 years later, IEEE Tunisia Section was recipient of the IEEE MGA Outstanding Large Section Award. The Award was provided by James A. Jefferies (2018 IEEE President), Marina Ruggieri (2017 IEEE Technical Activities Director), Karen Bartleson (2017

### IEEE Geographic Unit Organizing Document

The Institute of Electrical and Electronics Engineers, Incorporated (IEEE) is a non-profit corporation, incorporated in the state of New York on 16 March 1896.

The purpose of the IEEE is to engage exclusively in scientific and educational activities within the meaning of Section 501(c)(3) of the Internal Revenue Code of 1986, as amended, directed toward the advancement of the theory and practice of electrical, electronics, communications and computer engineering, as well as computer science, the allied branches of engineering and the related arts and sciences, which benefit the engineering profession and the public.

As authorized by the IEEE Board of Directors, the IEEE Member and Geographic Activities Board (known as IEEE Regional Activities Board prior to 1 January 2008) approved the establishment and boundaries of the IEEE Tunisia Section on 21 June 2008. The Tunisia Section conducts activities which assist the local IEEE members to enhance their professional careers and their communities.

IEEE President), Barry L. Shoop (2016 IEEE President), Howard E. Michel (2015 IEEE President), Mary Ellen Randall (2017 IEEE Member and Geographic Activities Director), and Cecelia Jankowski (IEEE Member and Geographic Activities Managing Director).

- Secretary: Faouzi Bouani
- Treasurer: Mohamed Jmaiel

### 2013-2014

- Chair: Abdelfettah Belghith
- Vice Chair: Jelel Bel Hadj Slem
- Secretary: Faouzi Bouani
- Treasurer: Hassene Mnif

### 2015-2016

- Chair: Habib M. Kammoun
- Vice Chair: Azza Ouled Zaied
- Secretary: Messaoud Amairi
- Treasurer: Nizar Rokbani

### 2017-2018

- Chair: Habib M. Kammoun
- Chair-Elect: Adel M. Alimi
- Secretary: Bilel Dekhili
- Treasurer: Mohamed Neji

### Awards and achievements

Since its creation, Tunisia Section entities were also recipients of

### Leadership

During the past 10 years, Tunisia Section was led by mainly professionals from academia. Since its creation, IEEE Tunisia Section was led by 5 respective executive committees.

### 2009-2010

- Chair: Mourad Loulou
- Vice Chair: Farhat Fnaiech
- Secretary: Jelel Ezzine
- Treasurer: Adel M. Alimi

### 2011-2012

- Chair: Mourad Loulou
- Vice Chair: Farhat Fnaiech



## Special Supplement: IEEE Tunisia section 10<sup>th</sup> anniversary



many Awards recognizing their achievements and hardworking activities.

### Section Awards:

- 2016 MGA Outstanding Large Section Award
- 2015 Region 8 Outstanding Large Section Award

### Chapters Awards:

- 2017 IEEE RAS Chapter of the Year Award
- 2017 IEEE R8 Best Chapter Award for RAS Tunisia chapter
- 2015 IEEE IAS Outstanding Chapter Chair Award
- 2011 IEEE RAS Chapter of the Year Award

### Affinity Groups Awards

- 2013 IEEE GOLD Hall of Fame Award

### Student Branches Awards

- 2016 Outstanding Branch Counselor Award (ISSAT Sousse)
- 2015 IEEE Enterprise Award (INSAT)
- 2015 IEEE R8 Mind the Gap Contest – MESBC Pilot 1st Prize (INSAT)
- 2015 IEEE MESBC DOA Competition Award (INSAT)
- 2015 IEEE Day Photo Contest Award (ENIT)
- 2015 IEEE R8 Exemplary Student Branch Award (ENIS)
- 2015 Outstanding Branch Counselor Award (ENIS)

- 2014 IEEE Enterprise Award (INSAT)
- 2014 IEEE Darrel Chong Student Activity Award (ENIS)
- 2013 IEEE Day Photo Contest Award (ENIS)
- 2012 IEEE Day Photo Contest Award (ENIT)
- 2011 IEEE Day Photo Contest Award (ENIS)
- 2010 IEEE Day Photo Contest Award (ENIS)
- 2010 IEEE R8 Exemplary Student Branch Award (ENIS)

### Student Chapters Awards

- 2016 1st Prize IEEE IAS Student Robotics Demonstration Contest Award (ISSAT Sousse)
- 2016 3rd Prize IEEE IAS Student Robotics Demonstration Contest Award (INSAT)

## Special thanks to our partners and sponsors



## Special Supplement: IEEE Tunisia section 10<sup>th</sup> anniversary

- 2015 IEEE IAS Best presentation in the 50th IAS Annual Meeting (ULT)
- 2015 2nd Prize IAS Myron Zucker Undergraduate Student Design Contest Award (INSAT)
- 2015 IEEE Outstanding SMC Society Student Branch Chapter Award (ENIS)
- 2010 IEEE Outstanding SMC Society Student Branch Chapter Award (ENIS)

### Celebrating the 10th anniversary, IEEE Future Innovations Summit

The IEEE Future Innovations Summit will be organized on 28th June 2018 by IEEE Tunisia Section; in collaboration with Elgazala Technopark, IEEE Ad Hoc Committee on Africa (AHCA), and IEEE Region 8; and under the patronage of the Ministry of Communication Technologies and Digital Economy of Tunisia.

The IEEE Future Innovations Summit goes behind the scenes of the most innovative and successful technologies to discover how we turn from the current challenges into tomorrow's innovations. It brings together policymakers, leaders and experts in technology

and innovations, with IEEE students and professional members.

The Summit will tackle the issue of the current and future innovation in Industry, Education, Communications, and Smart Cities, as well their impact in terms of societal transformation. The summit will also address bridging the Gap between Academia, Industry, and Government to benefit the citizens.

The Summit will be an opportunity to discuss the ethical concerns and behavioral challenges linked to the transformative technologies, and reflect on the key roles of Research & Development, Standardization, as well as Science, Technology, and Innovation Policy, in creating the right conditions for bringing cutting-edge technology innovations for the benefit of Humanity.

The Summit will provide participants with an opportunity to:

- Meet IEEE leaders
- Gain a broader understanding of the latest advances, potential applications and opportunities
- Network and build partnerships
- Learn about the benefits of strong cooperation between Academia, Industry, and Government

The opening address will include the talk of James A. Jefferies, IEEE President, followed by keynote addresses and Panel discussion.

The panel discussion will approach how IEEE can help industries to move forward, focusing on:

- The role of IEEE to advance technology;
- The challenges of cooperation between IEEE and companies; and
- The need to bridge the gap between Academia and Industry.

The IEEE Future Innovations Summit will be organized in the occasion of the 10th Anniversary Celebration of the IEEE Tunisia Section. It will be an opportunity to celebrate together the great success of the IEEE Tunisia section, established on June 2008. During the last 10 years, hundreds of IEEE Tunisia section volunteers worked together to brought to +2,500 members more than 1,400 IEEE meetings and hundreds of benefits for students, young professionals, and seniors, through +100 IEEE subunits: technical chapters, affinity groups, student branches, and student chapters. The section's achievement was awarded on 2017 in Sydney by the IEEE MGA outstanding large section award.

Looking to welcome you soon!

### IEEE Tunisia Section Newsletter Editor Contact



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