

# TUNISIA SECTION NEWS

August 2016  
Vol 1

## About!

IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

The IEEE Tunisia Section was approved by IEEE on June 21, 2008. The Section is part of Region 8 (Europe, Africa, and Middle East). The section includes automatically all IEEE members living in Tunisia.

IEEE membership is open to academics, industry employers, students, and any person who is interested to follow the most innovative research in technology, to network, to expand his expertise, and to receive many benefits. [www.ieee.org/benefits](http://www.ieee.org/benefits)



**Habib M. Kammoun**  
IEEE Tunisia Section Chair



## Up coming Events:

- 1st October 2016  
IEEE Day [www.ieeeday.org](http://www.ieeeday.org)  
World Robot Olympiad (WRO) Tunisian Qualifications - [wro.ieee.tn](http://wro.ieee.tn)
- 22 October 2016  
IEEE Xtreme 24-Hour Programming Competition - [www.ieee.org/xtreme](http://www.ieee.org/xtreme)
- 5-7 November 2016  
2nd International Image Processing, Applications and Systems (IPAS)  
[www.ipas-ciels-univ-sfax.com](http://www.ipas-ciels-univ-sfax.com)
- 17-20 November 2016  
3rd IEEE School on Computational Intelligence (CITA) - [cita.ieee.tn](http://cita.ieee.tn)
- 21-23 November 2016  
8th International Symposium on Signal, Image, Video and Communications (ISIVC)  
[www.isivc2016.org](http://www.isivc2016.org)
- 18-20 December 2016  
7th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT) [www.setit.rnu.tn](http://www.setit.rnu.tn)
- 19-21 December 2016  
17th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA) [www.sta-tn.com/STA.htm](http://www.sta-tn.com/STA.htm)

## Overview

This year IEEE Tunisia Section community had so many changes. New opening units like ISSAT SO WIE, ULT new chapters. So all IEEE members try to bring new light to our academic and industrial field.

Speaking to all IEEE Tunisia members, if you can contribute some of your innovative ideas to our activities, you may find new friends and passion. In this issue we present the way of how IEEE can make a difference in personal and professional lives. The main objectives set by Tunisia Young Professionals, professional coordinator, academic activities, student activities and the new achievement by our students members will be presented.

Please take the opportunity to learn about them. Publishing IEEE Tunisia Section news in new way to achieve our objectives. Please send in your stories, big, small. We would like to allow them up and encourage some collaboration and contacts between groups within the section or the region. The Tunisia Section Newsletter will be out 3-4 times per year, so do not hesitate to send me your activities reports.

Deadline for next issue: **September 30, 2016**

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IEEE: [www.ieee.org](http://www.ieee.org)  
IEEE Tunisia section: [www.ieee.tn](http://www.ieee.tn)  
Facebook : [www.facebook.com/ieee.tunisia](http://www.facebook.com/ieee.tunisia)  
Newsletter: [www.ieee.tn/activities/newsletter](http://www.ieee.tn/activities/newsletter)

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**2015 Region 8 Outstanding Section award to the Tunisia section!**



The IEEE Section Executive Committee consists of:

- Section officers (chair, vicechair, secretary, treasurer)
- Chapters and Affinity groups elected representatives
- Past chair
- Appointed Members



### Elected Section officers (2015 & 2016)

E-mail: [tunisia-officers@ieee.org](mailto:tunisia-officers@ieee.org)



#### Chair

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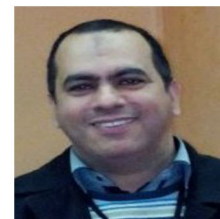
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#### Treasurer

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### Chapters Elected Chairs

Aerospace and Electronic Systems: Chafaa Hamrouni  
Antennas and Propagation: Ali Gharsallah  
Circuits and Systems: Mourad Loulou  
Communications: Tarek Bejaoui  
Computational Intelligence: Mohamed Ben Halima  
Computer: Adel M. Alimi  
Education: Adel M. Alimi  
Engineering in Medicine and Biology: Mounir Ben Ayed  
Industry Applications: Haikal El Abed

Intelligent Transportation Systems: Adel M. Alimi  
Microwave Theory and Techniques: Ali Gharsallah  
Oceanic Engineering: Vacant  
Power & Energy: Ilhem SLAMA-BELKHODJA  
Robotics and Automation: Nizar Rokbani  
Signal Processing: Chokri Ben Amar  
Solid-State Circuits: Brahim Mezghani  
Systems, Man, and Cybernetics: Yassine Aribi  
Vehicular Technology: Farouk Kamoun

### Affinity groups Elected Chairs

Young Professionals (YP): Wael Ouarda

Women In Engineering (WIE): Boudour Ammar

### Appointed Members

- Nominations and Appointments Committee
  - o Mourad Loulou
  - o Mohamed Najeh Lakhoua
  - o Olfa Jemai
- Chapter Coordinator: Ilhem Kallel
- Conference Coordinator: Adel M. Alimi
- Membership Development Coordinator: Randa Hammami
- Student Representatives: Mehdi Bouguerra & Bilel Dekhili
- Student Activities Coordinator: Vacant
- Professional Activities Coordinator: Nadhem Bardaa
- Educational Activities Coordinator: Vacant
- Industry Ambassador: Rami Messaoud
- Awards & Recognition Committee
  - o Tarek Bejaoui – Chair
  - o Amin Zribi
  - o Sana Khalfa
- Newsletter Editor: Khouloud Filali

### Past Elected Officers

2013 & 2014: Abdelfettah Belghith (Chair), Jalel B.HadjSlama (Vice Chair), Faouzi Bouani (Secretary), Hassene Mnif (Treasurer)  
2011 & 2012: Mourad Loulou (Chair), Farhat Fnaiech (Vice Chair), Faouzi Bouani (Secretary), Mohamed Jmaiel (Treasurer)  
2009 & 2010: Mourad Loulou (Chair), Farhat Fnaiech (Vice Chair), Jalel Ezzine (Secretary), Adel M. Alimi (Treasurer)

## Chapters

Tunisia Section has 21 organizational units (2 Affinity Groups, and 19 technical Chapters), and 44 Students Subunits (16 Student Branches, 24 Technical Student Chapters, and 4 WIE Student Affinity Groups). The chapter coordination mission can be summarized in four tasks:

- Provide conditions and give assistance for formation of new chapters
- Assist existing chapters / SB chapters in organizing technical and social activities, inviting Distinguished Lecturers (DL), and reporting activities.
- Organize elections to renew subunits officers each two years; this rate can guarantee a continual dynamicity in innovation and voluntaries.
- Collect and review chapter Award Nomination with the collaboration of the A&R committee according to the A and W of chapter activities
- Coordinate with R8 chapter coordinator in order to exchange news and experiences.

IEEE Count now 39 Technical Societies; so, Tunisia section can form 20 other new society chapters; chapters are your local link to the valuable resources available from IEEE and its Technical Societies.

Please visit the link below for the IEEE societies,

([http://www.ieee.org/membership\\_services/membership/societies/index.html](http://www.ieee.org/membership_services/membership/societies/index.html) )

and (<http://ieee.tn/units/chapters/> ) for the existing Tunisia chapters.

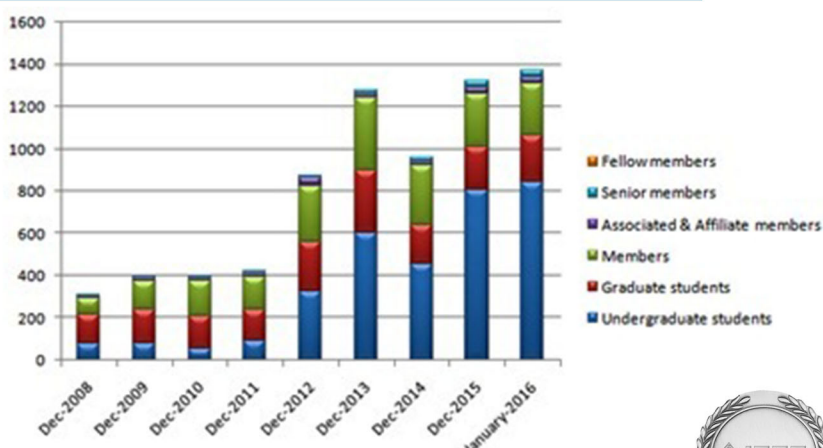
In order to form a new subunit, please check with the page about IEEE Geographic Unit Formation Policies and Petitions

([https://www.ieee.org/societies\\_communities/geo\\_activities/forms\\_petitions/form\\_s\\_petitions\\_index.html](https://www.ieee.org/societies_communities/geo_activities/forms_petitions/form_s_petitions_index.html) ).

It is important to report all activities by means of the platform Vtools (<https://meetings.vtools.ieee.org/> ), this is the only way to inform IEEE for our actions. Received funds are calculated according to the number and type of reported activities. Do not hesitate to contact the chapter coordinator for any needed help.

There are plans for technical meetings and workshops, educational lectures by international Distinguished Lecturers (DL), information campaigns as well as increased collaboration. Keep connected with the web site of IEEE Tunisia Section (<http://ieee.tn/> ).

**Ilhem Kallel**  
Chapter Coordinator  
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## Conferences

Conference organizers can request the Technical co-Sponsorship (TCS) of the IEEE Tunisia section in order to submit the conference proceedings to IEEE Xplore for publication. The TCS indicates direct and substantial involvement of the IEEE Tunisia Section in the technical program of the conference.

Important Notes:

- The dates should not conflict with other IEEE events in Tunisia.
- The quality report and the conference proceedings should be submitted within 30 days to the conference coordinator in the Tunisia section.
- The conference organizer should invite at the minimum two IEEE student members with free registration. These two students could help in the local arrangement issues.
- An IEEE booth should be organized in the conference venue.
- The IEEE Tunisia section may terminate the approved MOU at any time if the technical quality issues are not considered.
- The IEEE Tunisia section is committed to approve or decline the TCS request within one month.

**Adel M. Alimi**  
Conference Coordinator  
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## Membership development

The IEEE Tunisia Section was approved by IEEE on June 21, 2008 as part of Region 8 (Europe, Africa, and Middle East). By August 2016, it counts 1287 members as follows:

- 769 Students (59%)
- 150 Graduate students (12%)
- 299 Members (23%)
- 35 Associate/ Affiliate members (3%)
- 34 Senior members (3%)

Currently, the section includes the different subunits listed below:

- 19 Technical chapters
- 2 Affinity groups :
  - o Young Professionals (YP) : 357 members by January 2016
  - o Women In Engineering (WIE) : 245 members by January 2016
- 17 Student branches: ENIT, ENIS, ENSI, SupCom, ENISo, ENICar, INSAT, ENIG, FST, ENIB, ENSIT, ENIM, ENETCom, ULT, ISSATSo, ENSTAB, ISETCom
- 25 technical student chapters
- 5 WIE student affinity groups: ENIS, ENIT, ENIB, ENIG, ISAATSo

The IEEE Tunisia Section is organizing meetings regularly in order to achieve its goals and serve its members at the best level. All the section events are advertised using eNotices, website ([www.ieee.tn](http://www.ieee.tn)), Facebook etc.

A special thank to all the section volunteers who are helping us to meet our recruitment and retention goals for the 2016 membership year!



2016 Outstanding Section Membership  
Recruitment Performance  
Tunisia Section

**Randa Hammami**  
MD Coordinator  
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### Student Activities

IEEE was founded in 1884 with Alexander Graham Bell and Thomas Edison among its charter members. Today, IEEE serves over 400,000 members worldwide. Over 100,000 Student and Graduate Student members worldwide make up 25% of the membership of IEEE and are essential to its continued growth and vitality. Not only is IEEE the world's largest technical and professional society, it also publishes a significant amount of the electrical engineering and computer-science literature in the world.

Student life, along with its many positive features, also contains a certain amount of chaos. IEEE has created a set of benefits specifically targeted for students in order to fill the void and increase the positive experience for students on their way to becoming an expert in their field. These benefits are, but not limited to:

1. Your Own Personal Subscription to IEEE Spectrum and Potentials
2. Enhancing Your Career by Networking with Technical Experts
3. Save with Low Member Prices on IEEE Products
4. Attend Top Technical Conferences at Low Member Rates
5. Establish Yourself Early in the Profession's Premier Technical Organization
6. IEEE Member Discounts
7. Member of IEEE units (Section, Student branch, Student chapter, etc.)

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Mehdi Bouguerra  
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### Actions for Industry

The main Objectives of Action for Industry Initiative:

- Bridge the gap and enhance relationships between industry, academia and IEEE
- Influence organizations to support the involvement of their staff in IEEE activities
- Urge people from industry to join IEEE and benefit from its products and services.

Actions for Industry (AI) would be a part of IEEE Region 8 Actions for Industry Initiative Section Industry Ambassador (SIA):

- Identify industry's needs by a survey, conducted by either IEEE or a professional agency
- Promote IEEE to industry by informing them about IEEE benefits and its available products and services.
- Convince industry that participation in professional associations like IEEE is beneficial to both the company and its employees.
- Create & maintain a database on companies and contacts
- Encourage networking between IEEE members in industry and academia
- Convince IEEE to position its products & services better towards industry's needs
- Promote members and volunteer's involvement with industry and community
- Cooperate with Section, Chapter and Student Branch representatives in developing contacts and relationship with the industry and community

Rami Messaoud  
Industry Ambassador  
LEONI Tunisia  
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### Professional Activities

Professional activities PA generally organized : by student branches in cooperation with Tunisia young professional YP affinity group or by YP. The professional activities of this year will present another vision, a new way to approach the industrial environment by different trainings, increasing the qualified local trainers, number of external knowledge experts and number of PA organized. To improve the Professional Activities interaction within the section we need also to obtain members feedbacks on the areas of professional development to coordinate and present a compatible professional programs for the local section, chapter or branch. In order to do all that, we will :

- Launch the Pro Program (VMVPC)
- Present the programme for the local section, chapter or branch
- Train 16 IEEE Members Pro Program local trainers
- Develop the Top 5 "Soft Skills 1 training Hour" materials
- Design a Pro Programme Web site Online

We will establish a network of both internal IEEE and External knowledge experts to share information and gain perspective on the changing dynamics of the professional and we will establish a communication plan to provide all section members with regular information on professional activities and development programs available to them and we started this program during the 2015 TSYP.

Nadhem Bardaa  
Professional Activities Coordinator  
NTraining  
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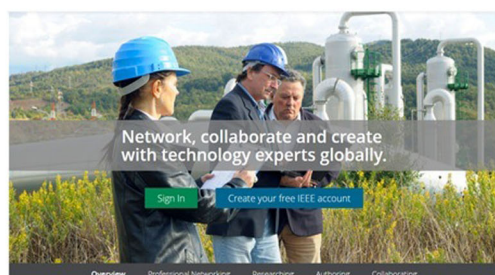


IEEE Collabratec™ is an integrated online community where technology professionals can network, collaborate, and create — all in one central hub. The IEEE Collabratec™ online community offers a suite of productivity tools and is available to technology professionals around the world with exclusive features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

Plus sign up is free to everyone.

IEEE Collabratec™ can help you:

- Connect with global technology professionals by location, technical interests, or career pursuits
- Access research and collaborative authoring tools
- Establish a professional identity to showcase key accomplishments



## IEEE ResumeLab

IEEE ResumeLab is an online service that allows IEEE members to develop a resume or curriculum vitae using a wide array of resume templates. Members can also perform mock interviews using over 900 potential interview questions or develop letters, portfolios, and skills assessments to use during the interview process. Best of all, the information developed on IEEE ResumeLab is easily shared with potential employers, mentors, or colleagues via a personalized website.

Website: [www.ieee.org/resumelab](http://www.ieee.org/resumelab)

## IEEE Medals, Technical Field Awards, and Recognitions

The IEEE Awards Board (AB) administers the highest medals, awards, and recognitions presented by IEEE. Through its Awards Program, IEEE advances the interests of its members by recognizing their contributions in advancing the fields of interest to IEEE to the benefit of society. By this means, the image and prestige of the organization, its members, and the profession are all enhanced. The IEEE Awards Program honors members and other professionals for their service to society.

## Scholarships, Grants, and Fellowships

IEEE offers a variety of scholarships, grants, and fellowships for IEEE Student members. Submit a project or paper for consideration and have the opportunity to win and gain peer recognition for your effort. Terms and conditions may apply.

## Voluntary Contribution Fund

Region 8 IEEE is quite diverse in nature covering Europe, Africa and the Middle East. It is the fast growing IEEE Region. The average income in various R8 countries differs significantly. That is why a IEEE R8 Voluntary Contribution Fund (IEEE R8 VCF) was created. This fund is fed by voluntary contributions donated by Region 8 members. The money is then used to support members and especially students and graduate student members with low income in their professional and technical activities.

This support is not intended for living costs or benefits, but for members' professional activities. The fund supports various projects but mainly:

- Travel support for participation in conferences that are located in Region 8 and organised or sponsored by IEEE R8 organisational units.
- Support for IEEE Student Branch Technical Activities within the Region 8.

Website: [www.ieeer8.org/category/voluntary-contribution-fund/](http://www.ieeer8.org/category/voluntary-contribution-fund/)



## FREEE IEEE Technical Communities!

Currently, there are sixteen technical communities in which you can participate at no charge. On behalf of IEEE, I would like to invite you to learn more about these communities NOW by following the icons/titles below. Each will bring you to the IEEE Membership and Subscriptions Catalog, which will provide more information as well as the ability to join these communities for free.

You can sign up for any of these communities, regardless of your IEEE and Society affiliation. Come with us and be a part of a community that will take you to the next level of technology!

José M. F. Moura

Vice President - IEEE Technical Activities



## Joining IEEE with CTI card

To enjoy all these benefits and more you can simply use the CTI carte (International Technology Card) to pay the fees which 27\$ for student members and \$81 for professional members. You need just a confirmed copy of your baccaloria diploma (or +) and CIN copy to have your payment card.



## Engineering Projects in Community Service (EPICS)

The purpose of the EPICS in IEEE program is to further incorporate EPICS into IEEE worldwide, by empowering student branches and IEEE GOLD groups to work with high school students on EPICS community service-related engineering projects, and by institutionalizing the program within IEEE. Through this worldwide expansion, Educational Activities will build a mechanism for sustaining and disseminating the EPICS model to other sections.

The desired outcomes of EPICS in IEEE include:

- The establishment of a relationship between the student branches in participating sections, a local high school (or schools), and charitable, communal or humanitarian organizations in each venue. The relationship will focus on development, by university and high school student teams, of devices and systems for the benefit of the target audiences of the communal organizations.
- The development of training workshops to train local section champions to establish an EPICS-site in their IEEE sections using local volunteers and resources. These section champions, and the volunteers they train, will be empowered to disseminate the model further, locally and to other sections.

## IEEE foundation



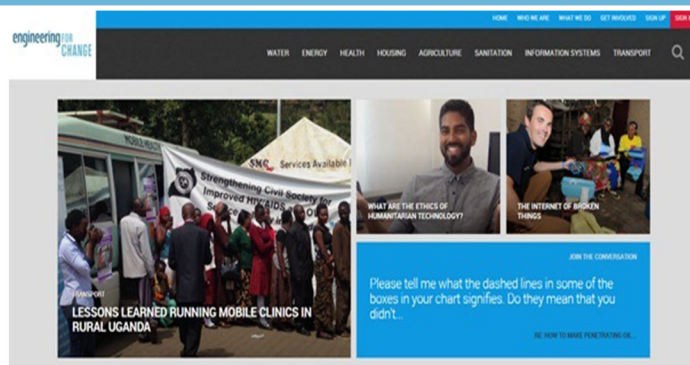
TRANSFORMING LIVES THROUGH THE POWER OF TECHNOLOGY AND EDUCATION

IEEE Foundation enables IEEE programs that enhance technology access, literacy, and education; support the IEEE professional community; and inspire the generosity of donors.

IEEE Foundation provides philanthropic services to support the IEEE core purpose of fostering technological innovation and excellence for the benefit of humanity. To fulfill this role, the IEEE Foundation relies on donations to fund new and innovative programs that support educational, humanitarian, historical preservation, and peer recognition programs of IEEE.

## ENGINEERING FOR CHANGE

ENGINEERING FOR CHANGE is a hybrid organization with three integrated arms: An online academy, innovation lab, and a media platform. But at our essence, we are a community that believes engineering can change the world.





## IEEE Tunisia Apps for democracy challenge

In cooperation with the IEEE eGov special technical committee of the Computer society, the IEEE Tunisia section organized in partnership with the Tunisian eGovernance society, Carthage Business Angels, and TunAndroid community, the first IEEE Tunisia Apps for democracy challenge "Apps for Democracy", on 14-16 November 2015, in conjunction with the ICT4ALL attracting more than 4000 participants. The event was organized in Diar Lemdina congress center, Yasmine Hammamet, Tunisia.

The hackathon was a competition for the development of mobile and web apps that will have a positive impact on improving the democracy way of Tunisia. The developed apps will provide a service that is friendly and convenient, will serve our community by enhancing the quality of life in Tunisia, and will use the Tunisian open data.

During three days, 60 young professionals and students from different engineering school in Tunisia participated to the hackathon. The program was very intensive and competitive under the supervision for 11 well known Tunisian experts to mentor the participants.

The hackathon was an opportunity to foster innovation from the academic and professional communities. It was also an occasion to raise awareness of the public data to offer better services and enhance the quality of life for the citizens and consumers.

The jury awarded the best 10 teams. The top 3 teams are:

1. Touristic app presenting the list of monuments and heritage sites in Tunisia and encouraging users to visit the current nearest locations, developed by Soumaya Errais and Youssef Boufaied.
2. Repairing app offering the contact of the nearest and recommended service technicians, developed by Skander Mansouri and Fadi Abassi.
3. Easy Queue app allowing the management of queues in service offices to better manage the time lost by the citizens and to reduce the number of persons in the office, developed by Soulaïmen Choura and Achraf Hakim.

Jury's members:

- Maher Kallel, president of Carthage Business Angels
- Uejin Lee, governance expert, KOICA
- Hakima Ghorri, project associate, United Nations Development Program (UNDP)
- Khaled Sellami, General Director E-Gov Unit Presidency of the Government Tunisia
- Nader Ben Ammar, Account Manager Industry & Society at Ericsson
- Habib M. Kammoun, IEEE Tunisia Section chair

During the closing session, awards were announced by Mr. Noomane Fehri, Minister of communication technologies and the digital economy in Tunisia. Gratitude was expressed to our mentors, jury members, and our main sponsors: IEEE eGov – Computer Society, Medina, Ooredoo, Ericsson, and GDG Sfax (Google Developers Group).



## 2016 Call For Awards Nominations

IEEE Tunisia section has created several awards to recognize and reward the efforts of the IEEE members, volunteers, and teams:

- Outstanding Student Branch Award
- Outstanding Student Branch Chapter Award
- Outstanding WIE Student Affinity Group Award
- Outstanding Chapter Award
- Outstanding Achievement Award
- Outstanding IEEE Student Publication Award
- Outstanding IEEE Publication Award

The IEEE Tunisia Section seeks nominations for 2016 Awards. The submission deadline for 2016 Tunisia Section awards is October 15, 2016.

Website: [www.ieee.tn/activities/awards/](http://www.ieee.tn/activities/awards/)

Submission form: [ieee.fluidsurveys.com/s/Tunisia-section-awards/](http://ieee.fluidsurveys.com/s/Tunisia-section-awards/)



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## 2016 Received Awards and Grants

The IEEE Tunisia section is collaborating with several IEEE units in order to offer more benefits and grants to the subunits, to the volunteers, and to all IEEE members in Tunisia. As result, the section is receiving thousands of dollars as grants for our activities.

More details about the received grants are available in the website: [www.ieee.tn/activities/grants/](http://www.ieee.tn/activities/grants/)

Furthermore, our subunits are also receiving several outstanding awards every year.

And Above all these achievement, it is a great pleasure to inform you that the IEEE Tunisia section received on 18th March 2016 the 2015 IEEE Region 8 Outstanding Large Section Award, during the 106th IEEE Region 8 Committee Meeting in Monaco.

I would like to congratulate all IEEE members in Tunisia for receiving this prestigious recognition from our IEEE Region 8 (Europe, Africa, and Middle East). This success can't happen without your participation to our activities.

My special thanks goes also to all previous and current active volunteers; and especially all volunteers who helped to the establishment of the Tunisia section on June 2008 and 2015 volunteers who organized very successful activities. I also thanks all who cooperated in editing of such successful application.



From right to left: R8 Awards committee chair, Tunisia section chair, R8 Director, MGA board chair

## 3rd IEEE Tunisian Student and Young Professionals (TSYP) Congress

From 20 to 22 December 2015, the 3rd IEEE TSYP was held in Tej Marhaba hotel in Sousse, Tunisia. The congress is the annual IEEE Tunisia section congress where more than 300 IEEE students and young professionals meet together to network and learn more about the IEEE benefits and to discuss present and future engineering challenges. The congress is also an occasion to help students gain further insight, enabling exchange of knowledge and skills. The congress program includes a competition between IEEE student branches in Tunisia in order to select the organizer of the next IEEE TSYP.

The 2015 3rd IEEE TSYP congress was organized by the IEEE INSAT SB (the winner of the 2nd IEEE TSYP), under the supervision of the IEEE Tunisia section.

The program of 2015 TSYP included technical, professional, educational, and social activities. Sessions was presented by highly qualified national and international speakers. The competition's winner was the IEEE ULT SB which will coordinate with the IEEE Tunisia section to organize the 4th IEEE TSYP 2016.



## 13 IEEE Tunisian Members In DALLAS

In the Last IEEE Industrial Applications Society Congress in Dallas-USA, IEEE Tunisia Section was presented by 13 of its members between student, member and senior members. It was spectacular for our section and that for the extraordinary contribution of all participants and winning of two awards for student members: best project for IEEE ENIG Student Branch and best startup in the form of a mobile application for IEEE ULT Student Branch. Plus the honoring prices for two of our consolars. In Tunisia, we had IEEE IAS chapter and 4 student branch chapters. All of these entities present workshops, trainings and industrial visits to help attend the society objectives. Hopping all IEEE members keep up the hard work and keep the worldwide brightness of the Tunisia Section.





### Droidcon junior 2016

The IEEE WIE Tunisia Affinity Group took part to the Droidcon junior event as part of its STAR program (IEEE Student-Teacher and Research Engineer/Scientist program). It was a 1-day workshop dedicated to college and high school students aged between 12 and 18 years to initiate them to Android. Droidcon junior aims to introduce mobile applications development and robotics to juniors supported by coaches. Such an event promotes involvement of IEEE members with local juniors and creates a technical support network for teachers and a mentoring program for students. It promotes to all students the endless possibilities that can result from considering engineering as a possible career option. Through its participation to Droidcon junior, the IEEE WIE Tunisia AG aims to convey the message that math and science are fun, engineering has career options that benefit humanity and is gender neutral.

Randa Hammami  
WIE Tunisia AG vice chair

### WIE Innovation Apps for Humanitarian Activities

The IEEE WIE ISSAT Sousse Student Affinity Group (Tunisia) organized the first edition of the "WIE Innovation Apps for Humanitarian Activities Contest" in conjunction with the "Tunisian Innovation Days 2015" (First Edition) on December 10, 2015. This event was an opportunity for young students to meet innovators from all Tunisia and learn from their success stories.

The Contest recognizes students who develop unique solutions to real-world problems or special needs using computing (either Mobile, Web Apps or Project Idea), engineering, science and leadership skills to benefit their community, the world at large, or both.

The contest offers students the perfect opportunity to have their ingenuity and enthusiasm for engineering and technology recognized by IEEE members around the globe.

9 teams have participated in the contest and they presented their Apps and Projects to the Jury Members.

Finally, 3 teams were selected as winners for the first edition of WIE Innovation Apps.



On December 12, 2015, the IEEE WIE Members won the 3rd local price of the "24H of Innovation Competition" with their Project "Smart Vision". The Project aims to create a link between the present, the past and the future, using technology.

Abir Chermiti  
Chair, WIE ISSAT Sousse

### The ENIS's Opening Days

The Opening Days in the National School of Engineers of Sfax were held on December 4th, 2015. It consisted of the participation of all Departments in ENIS (Computer Science, Electronics, Mechanics, Biology and Geology). This event was an opportunity for students in last year's in order to meet industrials, to discuss with them about internship proposal, works, etc. In fact, Students have discovered during the Opening Days many areas related to technology, association's activities inside school and required profile by industrial. As usual, IEEE Tunisia Young and Professional Affinity Group participated to this event by preparing a booth there. The booth contained brochures, magazines and posters to advertise the services given by IEEE Young and Professional.

More than 140 visitors were well hosted in the IEEE Tunisia Y&P AG Booth.



Wael Ouarda  
IEEE Tunisia YP AG Chair





## Charity Day

In collaboration with YTCA ( young Tunisian Coders Academy ) and THEATRO INSAT .

Sickness is only part of life, as life is as much about sadness and suffering as much as it is about happiness. But the picture of a sick child is always hard to stomach for this innocent youngling can be missing on a lot of life joys. Taking this thought in consideration, the IEEE INSAT student branch decided to organize a special day in order to make those children, suffering from chronic diseases feel more alive than ever.

And that's how Charity day was made. The event took place on February 14th which in fact coincides with Valentine's Day, the international day of sharing and making people feel important and special.

The event went from 9 am till 7 pm with two teams tagging: one in the morning, one in the afternoon. And offering a variety of workshops such as; the DIY (do-it-yourself) workshop, managed by Hiba Othman. Plenty of handmade crafts were created such as Snow white and Superman's cardboard. There was also a photography workshop, managed by Zeineb Bouzid, the reading workshop, managed by Syrine Laayouni where the children were assembled together around a circle reading tales, we chose and recited the funniest stories to enhance their imagination.

"Land of super heroes" featuring Aladin, Jaafar, The genie, The little red riding hood and the big bad wolf, snow white and the wicked witch, and of course the main character called "Ali mama". The show was



## IEEE Grand Tech 2016



IEEE Grand Tech (GT) is a new IEEE initiative in Region 8, consisting of a series of technical events focused on computing, information technologies and projects relating to these fields and prepared by IEEE members. This relatively new initiative started back in 2014 by the IEEE Hashemite University Computer Society Chapter from Jordan.

The main objective of this event is to raise awareness about computing technologies in general, spur the creativity and passion of IEEE members and give them a chance to show their potential and to encourage them to start Computer Society chapters in their universities. Lebanon, Jordan, Palestine and Tunisia have all hosted IEEE GT events since January 2016. On February 17th 2016, this event was organized by the local IEEE Computer Society Chapter at the National Institute of Applied Science and Technology (INSAT), in Tunisia. (Teaser Link) Egypt will be next to host it on March 8th.

Lebanon, Jordan, Palestine and Tunisia have all hosted IEEE GT events since January 2016. On February 17th 2016, this event was organized by the local IEEE Computer Society Chapter at the National Institute of Applied Science and Technology (INSAT), in Tunisia Afterwards, three extremely interesting conferences were held:

- Internet of Things Conference: A conference by Mr. Amine Chouaieb, CEO of CHIFCO. More details
- Leadership and Soft Skills Conference: A conference by Mr. Lotfi Saibi, President and Director at 21st Century Services & 4D-Leadership House. More details
- Entrepreneurship and Innovation Conference: A conference by Ms. Emna Ghariani, the chapter lead director of the Founder Institute in Tunisia, the largest startup launch program in the world

## Training Sessions and Workshops

Most student engineers are led in their lives by the desire to achieve and make a change, and have therefore set plans and projects and let them grow to finally become part of them. They may even day-dream about the rewards they're getting for their inventions, but when they get down to reality everything just gets upside down! Coding those endless programs just becomes their worst nightmare ... Aware of the challenges students will face in the future, the IEEE IAS Chapter INSAT Student Branch set up a series of events that would make the student's work a lot easier. In fact, the IAS team organized two events to introduce LabVIEW to those students.

To keep track of the evolution of this new technology, the IAS team organised a conference by Mr. Mehdi Bouzid (an Electrical Engineer graduated from the ENIT (National Engineering School of Tunis) in 2007, and who is currently working for National Instruments as Field Sales Engineer for the whole Maghreb area).

The event was entitled « Meet your future challenges with LabVIEW » and was held on January 27th, 2016 behind INSAT's doors.

Firas Aouinet  
INSAT SB Magazine Editor





## Arduino Workshops

The IEEE ISSAT Sousse Student Branch in Collaboration of IEEE RAS Tunisia Chapter have organized a series of Arduino Workshops:

Getting Started with Arduino Workshops: Is a set of tutorials where participants will be coached to handle and run the Open hard Arduino Uno Board. This workshop gives the basic skills on C programming for embedded systems and requires only basic knowledge in electronics and computer sciences.

All the workshop's sessions have been held in ISSAT Sousse:

- 1st Session: February, 6th 2016

Organized BY IEEE ISSATSO Student Branch and Powered by IEEE RAS TUNISIA Chapter In cooperation With TunArduino Community.

o Organizers: Abir Chermiti & Nahla KHaireddine.



Co-Organized by :



## IEEE At ISSAT SO

IEEE ISSAT Sousse SB is one of the youngest Student Branch in the section, it was approved on 4th February 2015, and since then, even before, a series of events has launched in various fields: technical, professional and social.

Also the ISSAT Sousse SB established a 2 Student Chapters and a student Affinity Group:

- IEEE IAS Student Chapter
- IEEE PES Student Chapter
- IEEE WIE Student Affinity Group

Ikram Tourir  
ISSATSousse SB



- 2nd Session: February, 27th 2016

Organized BY IEEE ISSATSO Student Branch AND Powered by IEEE RAS TUNISIA Chapter In cooperation With Tunarduino Community.

o Organizing Chair: Houtheyfa Abbas

o Trainers: Dr.eng (s) Hekyal Chaabane & Nizar Rokbeni (RAS Chair Tunisia)

o Co-Trainers: Mehdi mili & Ikram Tourir (IEEE ISSATSO SB Chair)



- 3rd Session: March, 9th 2016

Organized and Powered by IEEE ISSATSO Student Branch & IEEE Signal Processing ISSATSO Student Chapter.

o Organizing Chair: Houtheyfa Abbas

o Trainers: Mehdi Mili & Ikram Tourir (IEEE ISSATSO SB Chair)

o Co-Trainers: Khaoula Hessine & Nada Souissi

Houdheyfa Abbas  
ISSAT Sousse RAS SB Chapter , Chair

## Girls Day



The IEEE WIE ISSAT Sousse Student Affinity Group organized the first edition of the "Girl Day" in conjunction with the International Celebration of "Girl Global Day" and "Engineering Week" on 26th February 2016. Girl Day 2016 was an opportunity to present to WIE members and students the mission of IEEE Women In Engineering and its benefits and to make young women and girls more aware of engineering as a potential career choice.

In this event, the WIE Tunisia Affinity Group chair, Dr.Boudour Ammar has presented the upcoming events of the WIE Tunisia as she has launched the IEEE STAR program.

The IEEE WIE ISSAT Sousse Student AG is honoured to be represented by its Chairwoman, Abir Chermiti, in the International Leadership Conference, IEEE WIE ILC 2016.

Najla Chrif  
Girl Day Organizing Chair  
WIE ISSAT Sousse SAG



## ENIS SB IEEE Booth

The festival of clubs was held on October 3th, 2015 in the National Engineering School of Sfax (ENIS). It consisted of the participation of about tens of clubs. In fact, this event was an opportunity for new students to discover areas related to technology, association's activities and presentation of scientific equipment. As usual, IEEE ENIS Student Branch participated to this event by preparing a booth there. The booth contained brochures, magazines and posters to advertise the services given by IEEE. IEEE members encouraged students not only to join the IEEE community but also to be an active member in one or more of IEEE societies such as Computer Society (CS), Women In Engineering (WIE), Industry Application Society (IAS) ...

The students were highly motivated to join IEEE and expressed their commitment to be part of the world's largest association and to do their best to share our activities with engineer students from all over Tunisia.

Nouha DZIRI  
ENIS SB Secretary



## A successful year for IEEE ULT SB



Teamwork is defined "as a cooperative process that allows ordinary people to achieve extraordinary results". A team should have a common purpose where team members can develop effective, mutual relationships to achieve team goals and that's us that's "IEEE ULT SB Family".

2015 was such a great year for us, let's say it was the "year" so let's take a close look at it: Starting with ABC Day where biologists, chemists and Food Industry engineers have met to organize a day where they have represented their domains and its interests. Then it came the IEEE Day, where we have worked together to initiate, motivate, and coordinate efforts to celebrate this day worldwide. Assuring that this year's celebration will be more impressive, we chose to visit an orphanage and bring joy to who need it.

One month ago, we celebrated our big event "the opening of the first EMB in Tunis", and as it came with the world AIDS day we took the chance to organize HIV/AIDS Awareness Days. Last and not least, what's better than finishing the year with winning the TSYP 2015 competition and been selected to organize the next one "TSYP 2016"?

Ayoub Salha  
ULT SB Chair

## Enicarhage AESS SBC : ENICARthage ROBOTS

ENICARTHAGE ROBOTS, for its first edition, Held December 20, 2015, at National School of Engineers of Carthage. The organizers were IEEE Aerospace and electronics systems society Enicarhage SBC, IEEE ENICARthage SB in collaboration of other national and local clubs and association (ASTE, Netlinks, club ENICarhage mecatronique).

The opening of this first edition is accompanied by the presence of two ministers: the Minister of Higher Education Mr. Chiheb Bouden and Minister of technology and communication M. Noaman Fehri. The dean Mr. Oussama Khriji was there too

ENICARTHAGE ROBOTS includes 4 competitions:

1 the projet exposition, 2 The Wheeled Robot for Line Following and Obstacle Avoidance, 3 the sumo Robots, 4 the walking

The first winners win 1870dt from the organizing committee also 5000 dt from the ministries and 500 dt from the order of Tunisian engineers. The four competitions are held throughout the day led by two animators, also a musical break with "amal sdiri" and various workshops partners. The event is officially sponsored from «Star Insurance» as well as other sponsors STMicroelectronics, ENOVA ROBOTICS, ORANGE. This competition was mediatized by Zeytouna TV, Hiwar Tounssi, Radio Jeune, and Cap FM.

Rahma Oueslati, ENICARthage AESS SBC, Vice chair



## Enicarhage CS SBC : Child Can Code

Saturday, April 9th a group of college students from IEEE Computer society student branch chapter at The National Engineering School of Carthage chaired by Sabiha Bellili organized an event that lasted two days named "Child Can Code". The goal was to create a communication between teenagers and college students. This event took place in Sbeitla reach to Kasserine. The first day was dedicated to introducing the plan to students and to talk about soft skills like leadership, communication and life at college. The IEEE members showed their experiences and had an interesting debate with the children. The second day was dedicated to practical work. The teenagers had their first steps in unity 3D, it was very funny and an opportunity to make them curious to learn more about technology. The event received compliments from the school head master and has been a great success. Based on the success of the first edition; we decided to take it to the next level by visiting many other schools in different regions of Tunisia.

Ibrahim Kchich  
ENICarhage SB, Chair





## ENIG SB : TFIAP'2016



The First edition of Tunisia Forum for Industry Academia Partnership was held from Saturday, the 1st of April to Sunday, the 2nd of April, 2016. The theme of the TFIAP 2016 was "Together for Progress". This two-day event was organized by ENIG IAS SB Chapter at Hotel Marhaba, Sousse, Tunisia in collaboration with IEEE WIE Tunisia. About 130 Engineers, students along with researchers from academia and Industry have participated in the Forum and made it a success. The Forum started off with a number of technical talks aim to define a solid relationship between industry and academia and show the importance of this linkage. The TFIAP'16 program included:

- Technical Talks
- Round Table 1: Industry - Academia partnership
- Round Table 2: Woman in Industry
- Workshops

Messaoud Amairi  
Chair of TFIAP'16  
ENIG SB Counselor



## Acknowledge

We are very pleased and thankful for the remarkable help presented by Mr. Mohamed GHARSALLAH the Chairman of IEEE ENICarthage Computer Society Student Branch chapter for his help regarding the design of our section newsletter and we hope that you enjoy our outstanding activities to advancing technology for the benefit of humanity.

Khoulood Filali  
Tunisia Section Newsletter Editor

## Vision From IEEE ENIM SB

At the beginning of this year, IEEE ENIM SB organized Info sessions to clarify and explain the purpose of IEEE to ENIM students. Also, we worked on encouraging them to join us by sharing the advantages of being an IEEE member.

In the frame of the International Education Week, we organized an event « The importance of an exchange program » we invited two alumni (SUSI and Thomas Jeffersson Alumni). They explained to the attendees the procedure of the application and why it is beneficial to participate in such programs.

Furthermore, in December and in the frame of COP21, PES ENIM SB organized the #EarthTo Paris event to take the action on climate change and the following is a description about PES ENIM SB's event:

- Presentation about COP21
- Documentary; Inde, entre climat et développement
- Guest speaker, attendees got the opportunity to interact with our guest speaker and discuss climate issues.
- Attendees were invited to write a message from #EarthToParis telling world leaders to make bold commitments to combat climate change at the UN 2015 Paris Climate Conference, making sure they hear their voices.



## IEEE ENSIT SB

Innorobots (April 2015): One of the most nationally important robotics contest, IEEE Ensit Student Branch participated in the contest and got the Second Price

Technical Conference (October 2015): Presented By our two guests Pr.Eric Moreau & Dr.Jean-Marc Ginoux, the conference about "Signal & Image Processing for Biomedical Applications" was of a great benefit to our PhD students who were a majority.

Workshop (16 December): To enhance our Soft Skills, Ensit SB has chosen to organize a training session conducted by IEEE tunisia sectin Coach Nadhem Bardaa.

Indelible experience, catchy and enlightening lessons, briefly a rewarding session

Samar BABA  
ENSIT SB Chair





## Tunisian Engineering Day (TunED'16)

The IEEE ENIT Student Branch held the TunED, or Tunisian Engineering Day, for the first time on february 17, 2016. The National Engineering School of Tunis was the place where about 200 of engineering students, teachers, engineering and entrepreneurship clubs, experts and people simply interested in engineering all gathered for a highly interactive day. The event first began with an exposition of technical projects elaborated by the previously quoted clubs.

After that, we hosted Mr. Chiheb Bouden, the tunisian minister of higher education and scientific research and the ex headmaster of our school, Mr. Bassem Bouguerra, an AI expert and Mr. Wissem Oueslati, an e-business expert who respectively talked about the horizons of engineering in Tunisia, the ways to turn failure into success and how the e-commerce is evolving in our country. Fun was also there as always, as the rock band Zanzana assured the musical break. Then we had a round table with Mr.Youssef Aissa, Ahmed Ghamgui, Ahmed Hadhri and Zouhair Mbarek who talked about the alternatives for the tunisian engineer to become a successful entrepreneur.

The TunED ended with two parallel workshops, one with Mr. Mehdi Bouzid who helped us discover LabView and the other with Mr. Fedi Hamza who told us some tips of self improvement.

We, IEEE ENIT SB, want to thank everyone who took part of TunED'16 and we hope to see you next year.



## IEEE Day 2015

This year's celebration was truly AMAZING and permitted us to attract a big number of people interested in being part of the IEEE ENIT SB's family. With "joyful youth" as a theme, we had the pleasure to host the talented violinist Yasmine Azaiez who talked about her successful experience and showed us how good it can be listen to her violin play, the young and dynamic comedian Youssef Tayari who made us laugh a lot, the up and coming jazz band Jump Cut and of course, the one and only Nadhem Bardaa who took it to another level while talking about how to be a positive and successful person.

All these ingredients helped us to take the breathes of the audience which was made of about 300 people, coming from different places and colleges and, above all, win the largest gathering photo contest.



## LARGEST GATHERING PHOTO

WINNER : IEEE ENIT SB, TUNISIA

## Pink October

The IEEE ENIT SB WIE Affinity Group had a breast cancer awareness event. As a matter of fact, we loved October so much that we decided to add another event. Unfortunately we couldn't have the event before the 4th of November. Nevertheless it was called "Pink October". In the event, we had some amazing guests such as: Dr Hammouda Boussen who shared with us some of his knowledge and lightened the mood with his humor, Amal Safta, who is an actress and a breast cancer survivor, she showed us her courage facing cancer and shed a light of hope among cancer patients, and Dr. Kammoun, an obstetrician, who has always advised us. We also had a visit from the A.T.A.M.C.S: an association that helps breast cancer patients. The large audience was really attentive to what was said and made it till the end of the conferences.

