

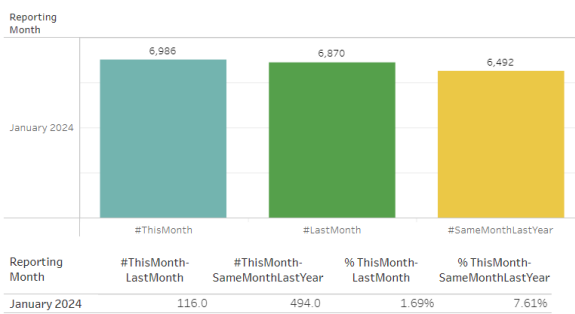
## Tunisia Section

**Abir Abid**, Secretary  
**Ilhem Kallel**, Past Chair  
**Habib M. Kammoun**, Chair

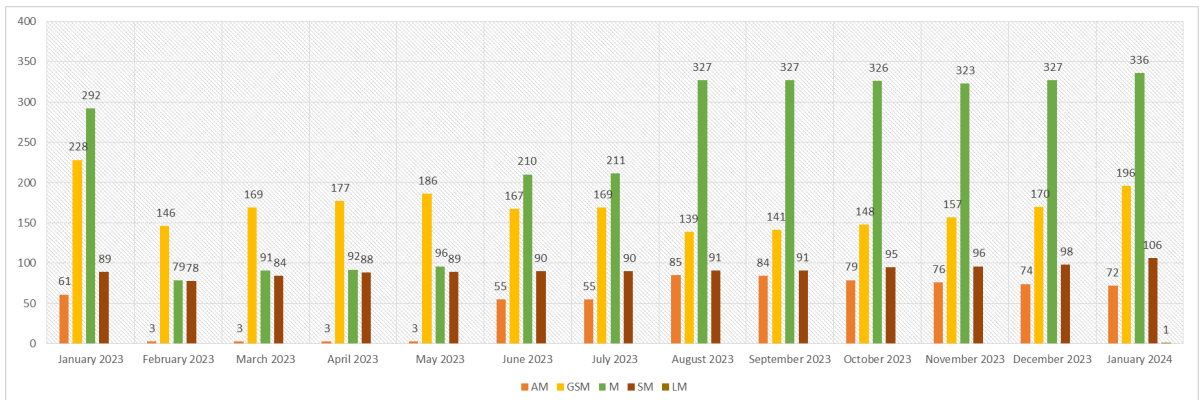
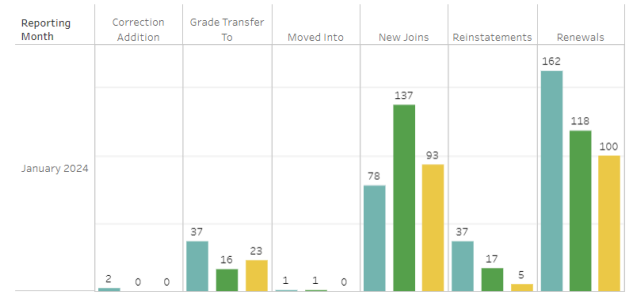
### Section Vitality

- Date of last Section election: September - December 2022
- Date of next Section election: September - December 2024
- Vice-Chair becomes Section Chair in the next term
- 2023 onsite Section Committee Meetings:
  - 13-14 May 2023 <link> (5 Section officers, 3 Vice-Chairs (TA, MA, SA), 34 Chapters/Groups chairs, 25 Appointed volunteers)
  - 17-19 December 2023 <link> (5 Section Officers, 3 ViceChairs (TA, MA, SA), 34 Chapters/Groups Chairs,43 Appointed volunteers).

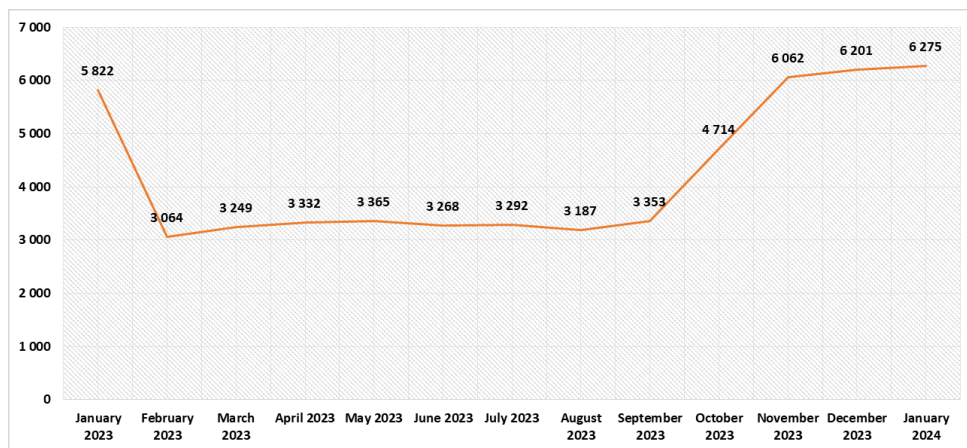
Actives - IEEE Memberships - Summary As Of January 2024



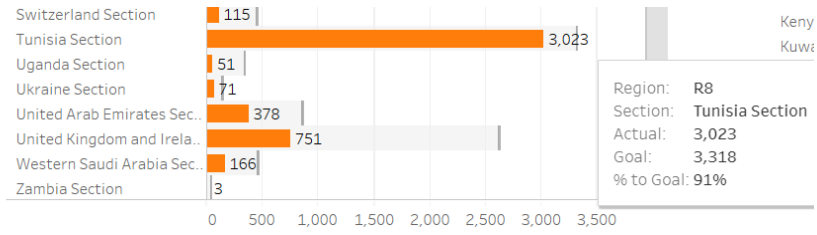
Renewals & Additions in January 2024  
(Renewal data is available starting from December 2018)



### Membership Development during 2023 and January 2024 for AM, GSM, M, SM and LM



### Membership Development during 2023 and January 2024 for StM



Membership Recruitment progress towards Goal (by January 2024)

- Technical challenges during TSYF 2023:

 <b>IoT'2023: Best Project IoT and Industry 4.0</b> IEEE CAS & CRFID Tunisia Technical Challenge	 <b>2023 TSYF11 Student Activities Committee (SAC) Challenge</b> IEEE SAC Tunisia Challenge	 <b>STAR Program Challenge: Bridging Knowledge Gaps for Rural Women and girls</b> IEEE WIE Tunisia Affinity Group Technical Challenge
 <b>PCB-PM</b> IEEE SSCS Tunisia Technical Challenge	 <b>SIGHT forward</b> PART OF THE IEEE R8 ENTREPRENEURSHIP WEEK 2023 IEEE SIGHT Tunisia & IEEE R8 Entrepreneurship Technical Challenge	 <b>Deep-fake Forensics Challenge</b> IEEE CS and YP Tunisia Technical Challenge
 <b>Human Exploration Rover Challenge (HERC)</b> IEEE AESS Tunisia Technical Challenge	 <b>HealthTech Innovations for Enhanced Remote Patient Care.</b> IEEE EMBS Tunisia Technical Challenge	 <b>InnovateSafe Road</b> IEEE RAS Tunisia Technical Challenge
 <b>Digital Sustainability</b> IEEE IAS Tunisia Technical Challenge	 <b>Understanding Student Well-being: A Holistic Approach</b> IEEE SMC and EdSoc Tunisia Technical Challenge	 <b>Optimizing and Enhancing the Educational Robot</b> IEEE PES and IES Tunisia Technical Challenge



- TOP 10 Tunisian teams (in top 600 worldwide) in the IEEE Xtreme

Rank	Team	Score (Penalty)	University
1 (32)	KALIYUGA	1614.19 <sub>(4370)</sub>	Nat'l Inst of Applied Sci & Tech (INSAT)
2 (39)	eBsilong	1492.98 <sub>(3680)</sub>	Higher Institute of Computer Science (ISI)
3 (58)	VertexCover	1347.65 <sub>(6779)</sub>	Nat'l Inst of Applied Sci & Tech (INSAT)
4 (283)	KMC	1013.03 <sub>(2386)</sub>	Higher Institute of Computer Science (ISI)
5 (308)	EPTimization	983.46 <sub>(4310)</sub>	Higher Institute of Computer Science (ISI)
6 (326)	DigaDiga	959.02 <sub>(3898)</sub>	Higher Institute of Computer Science (ISI)
7 (373)	SupDream	908.91 <sub>(4047)</sub>	Higher School of Communication of Tunis (Sup'Com)
8 (417)	Zolaatt	856.64 <sub>(11217)</sub>	H I Informatics & Mathematics of Monastir (ISIMM)
9 (532)	KFC	760.88 <sub>(6283)</sub>	Nat'l Inst of Applied Sci & Tech (INSAT)
10 (589)	Hamas	705.65 <sub>(4541)</sub>	Nat'l School of Engineering of Sousse (ENISo)

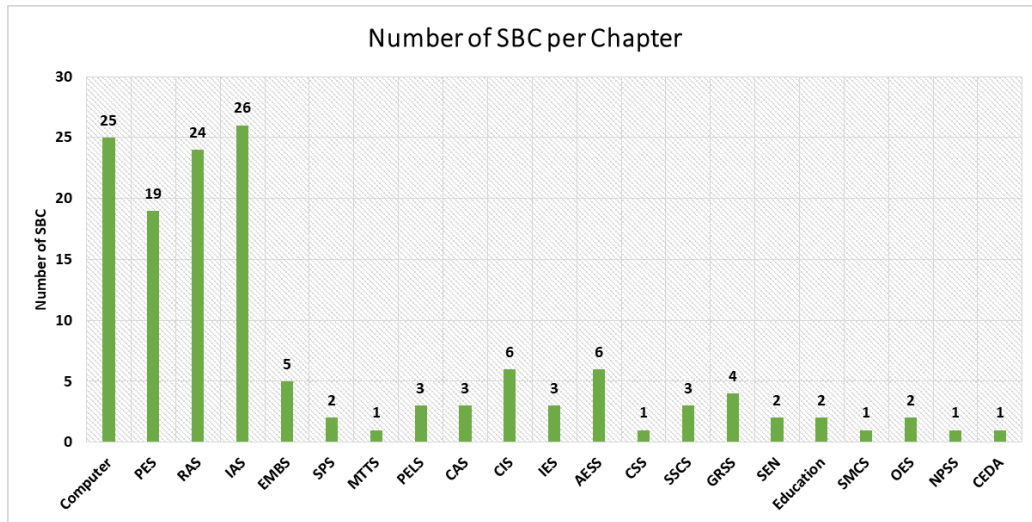
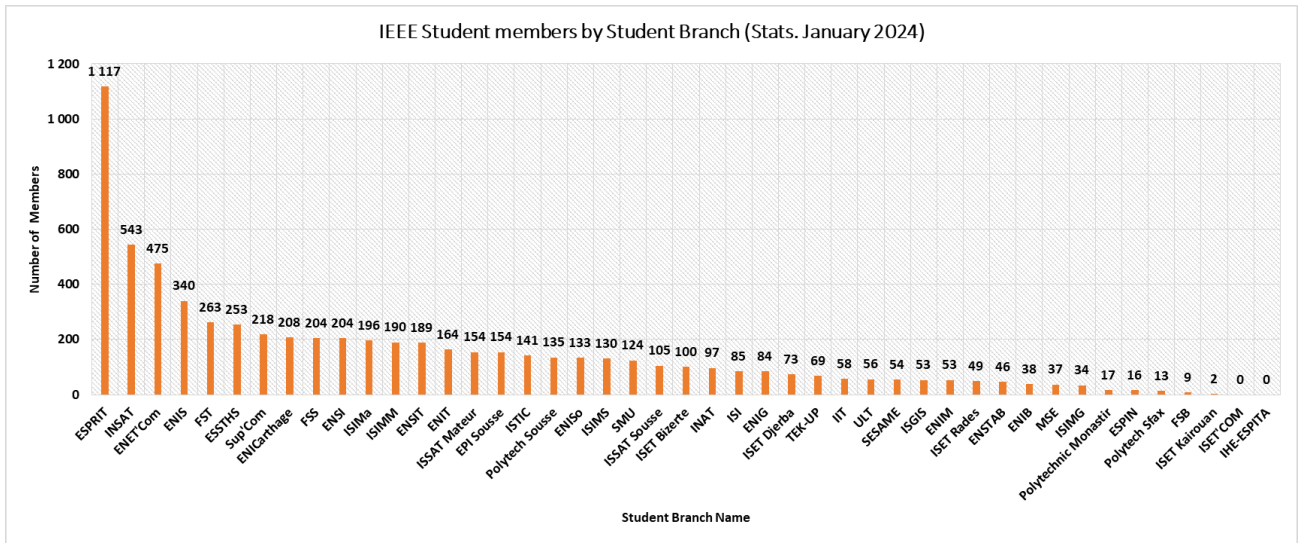
### Students

List of Student Branches (SB) in Tunisia Section: **45 Student Branches:**

- |                |                 |                     |
|----------------|-----------------|---------------------|
| - ENET'Com     | - FSB           | - ISIMa             |
| - ENI Carthage | - FSS           | - ISIMM             |
| - ENIB         | - FST           | - ISIMS             |
| - ENIG         | - IHE-ESPITA    | - ISSAT Mateur      |
| - ENIM         | - IIT           | - ISSAT Sousse      |
| - ENIS         | - INAT          | - ISTIC             |
| - ENISo        | - INSAT         | - Polytech Monastir |
| - ENIT         | - ISET Bizerte  | - Polytech Sfax     |
| - ENSI         | - ISET Djerba   | - Polytech Sousse   |
| - ENSIT        | - ISET Kairouan | - SESAME            |
| - ENSTAB       | - ISET Rades    | - SMU               |
| - EPI Sousse   | - ISET'Com      | - Sup'Com           |
| - ESPRIT       | - ISGI Sfax     | - TEK-UP            |
| - ESSTHS       | - ISI           | - ULT               |

### New SBs:

- Manouba School of Engineering - MSE
- Higher Institute of Computer Science Multimedia Gabes - ISIMG
- ESPIN



134 Student Branch Chapter

Annual congress for Students: IEEE Tunisian SYP Congress (over 1,000 participants) <https://tsyp.ieee.tn/>

- 10th TSYP congress, 19-22 December 2022, Sousse
- 11th TSYP congress, 18-20 December 2023, Yasmine Hammamet



### Affinity Groups

- Tunisia Young Professionals Affinity group <https://yp.ieee.tn/>
- Tunisia Women in Engineering Affinity group <https://wie.ieee.tn/>
- Tunisia SIGHT group <https://sight.ieee.tn/>
- Tunisia Consultants Network Affinity group

### List of affinity groups activities:

- IEEE WIE Non-Technical Challenge during TSYP 2023
- IEEE WIE Congress of Tunisia 2.0
- IEEE YP Technical Challenge during TSYP 2023 in conjunction with Computer Tunisia Chapter
- SIGHT Project with Egypt section : Seawater desalination
- InnoX: Technical boot-camp in collaboration with SIGHT Egypt



### 31 WIE Student Affinity Groups: 69% of student branches have their WIE groups

- |                |              |                |
|----------------|--------------|----------------|
| - ENET'Com     | - ENSIT      | - ISET Bizerte |
| - ENI Carthage | - ENSTAB     | - ISET Rades   |
| - ENIB         | - EPI Sousse | - ISET'COM     |
| - ENIG         | - ESPRIT     | - ISI          |
| - ENIM         | - ESSTHS     | - ISIMa        |
| - ENIS         | - FST        | - ISIMS        |
| - ENISo        | - IIT        | - ISSAT Mateur |
| - ENIT         | - INAT       | - ISSAT Sousse |
| - ENSI         | - INSAT      | - Sup'Com      |
|                |              | - ULT          |

### New WIE Student Affinity Groups:

- FSS
- ISTIC
- SMU

### 6 SIGHT groups:

- |         |               |
|---------|---------------|
| -ENIT   | -ISSAT Sousse |
| -ESPRIT | -ISI          |
| -ISIMM  | -ESSTHS       |

### 30 Chapters

- |              |        |             |
|--------------|--------|-------------|
| - AESS       | - EMBS | - RAS       |
| - APS        | - GRSS | - RLS       |
| - Biometrics | - IAS  | - RFID      |
| - CAS        | - IES  | - SEN       |
| - CEDA       | - ITS  | - SMCS      |
| - CIS        | - MTTS | - SPS       |
| - Computer   | - NANO | - SSCS      |
| - ComSoc     | - OES  | - SYS       |
| - CSS        | - PELS | - TEMS/SSIT |
| - Education  | - PES  | - VTS       |

### Some Tunisia Technical Chapters activities:

SSCS Chapter - Theoretical part of 2 trainings by ACTIA engineers Nov - Dec (24 hours / training):



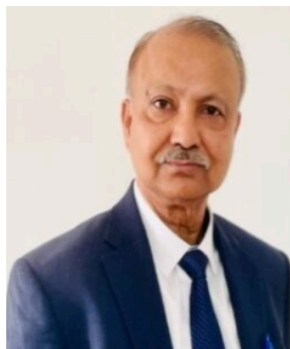
SMC Chapter - GTC community watch parties: Training sessions



Education - Creative Writing and Social Action Course:



Distinguished Lecturer Invitation:



**Keynote 2 : Dipankar Dasgupta**

IEEE Fellow, NAI Fellow, Professor of  
Computer Science & Director of Center for  
Information Assurance, University of  
Memphis, USA

## Industry

List the activities carried out to foster relations with Industry and the results obtained.

- Workshop by IEEE Tunisia Tunisia about the importance of Community and associative activities To prepare and during IT Career in 17 and 18 Mars 2023



- Partnership of IEEE Tunisia section and IEEE partner NOVATION CITY to IEEE R8
- Webinar on « intelligent industry » 27 Mai 2023
- Participation of IEEE Tunisia Section at the B2B event TDS Tunisia Digital Summit 21 and 22 June 2023 organized by Tunisie Place de Marché and its partners IEEE Tunisia Section was glad to be partner through E-Mobility Hackathon [https:// www.tdsconference.tn/tds-hackathon/](https://www.tdsconference.tn/tds-hackathon/) (More than 1500 Participants)



- 10 days BOOTCAMP on AI Special offers for IEEE Tunisia Section (Partnership with Clevory Training) -28 August- 8 September 2023
- Organization of Panel on "IEEE BLOCKCHAIN – AROUND THE WORLD & AFRICA HIGHLIGHT" during TSYP'2023 on 19 December 2023: Invitation of local guest speakers from IEEE blockchain Tunisia and industry - Pr Mohamed Hamdi. Cybersec Expert at Arab ICT organization and IEEE Blockchain Tunisia co-founder and Mr Tarek Kammoun. CEO K2LIS.
- Industrial panel in Afro-Mediterranean Conference on Artificial Intelligence



**IEEE AMCAI 2023**  
IEEE Afro-Mediterranean Conference on Artificial Intelligence  
December 15-15, 2023, La Royal Hotel, Hammamet, Tunisia

**AI FOR CYBERSECURITY**  
December 15, 2023 - 10H30 - 11H30 - Royal Hammamet Hotel - Hammamet, Tunisia

**AHMED CHABCHOUB**  
CEO & FOUNDER DEFENSY  
DEFENSY

**MAHA CHARFEDDINE**  
HDR, HDR, PH.D, ENG, ISO 27001 L1/LA  
ENS, UNIVERSITY OF Sfax

**WAJIH LETAIEF**  
EXECUTIVE MANAGER  
NEW WAYS HOLDING

**ESMA AÏMEUR**  
PROFESSOR, DIRECTOR OF THE ARTIFICIAL INTELLIGENCE AND CYBERSECURITY LABORATORY  
UNIVERSITY OF MONTREAL, CANADA

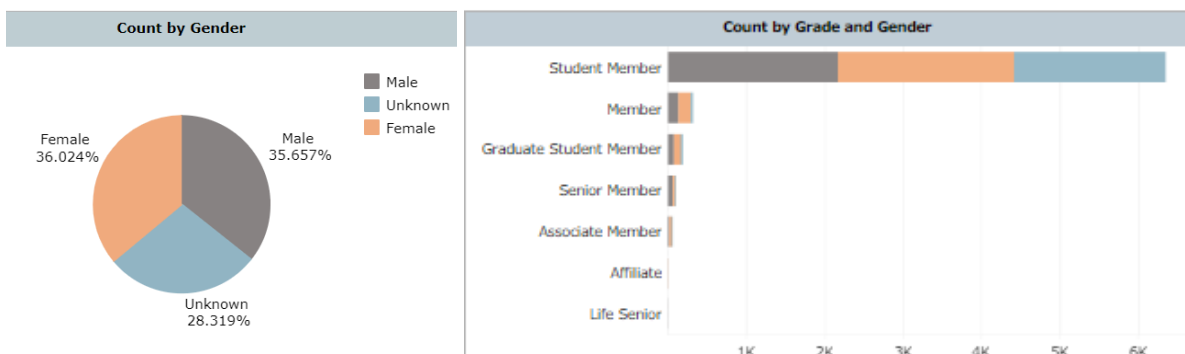
Job Fair during TSYP 2023: Representative from companies during such as: Orange, Amazon, Cisco, Meta, CRIM, Telnet, Hive12, Nvidia, Smoft



### Diversity, Equity and Inclusion

Highlight any diversity metrics (gender, age, religion, geographical, employment, etc.), new initiatives, best practices and progress around diversity and inclusion happening in your Section. Link to IEEE DEI statement [<link>](#).

IEEE Tunisia Section ensures a good equilibrium of the percentage of female members and volunteers as well as geographic distribution.



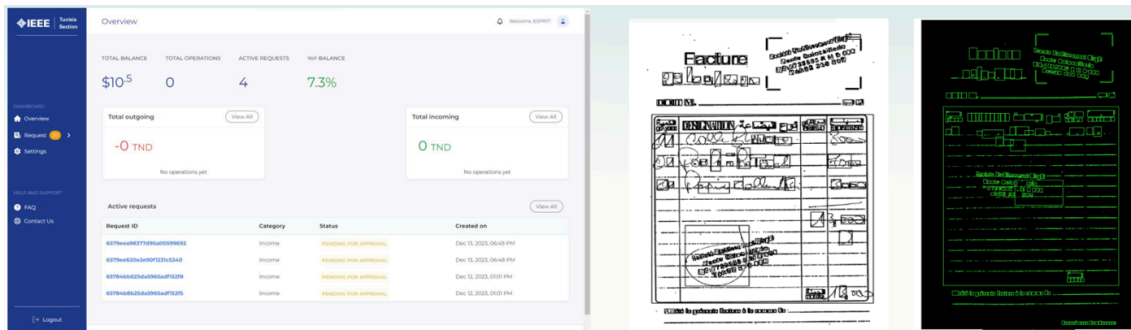
### Activities since the last report

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

**Conferences:**

- 20-23 September 2023: **International Conference on Innovations in Intelligent Systems and Applications (INISTA)**
- 27-29 September 2023: **IFIP/IEEE International Conference on Performance Evaluation and Modeling in Wired and Wireless Networks (PEMWN)**
- 3-5 October 2023: **International Conference on Cyberworlds (CW)**
- 12-14 October 2023: **IEEE International Conference on Artificial Intelligence & Green Energy (ICAIGE)**
- 30 October -1 November 2023 : **22nd Mediterranean Microwave Symposium (MMS)**
- 1-3 November 2023 : **IEEE Tenth International Conference on Communications and Networking (ComNet)**
- 1-4 November 2023 : **IEEE International Conference on Design, Test and Technology of Integrated Systems (DTTIS)**
- 2-5 November 2023: **IEEE International Workshop on Mechatronic Systems Supervision (IW\_MSS)**
- 1-3 December 2023: **IEEE Third International Conference on Signal, Control and Communication (SCC)**
- 13-15 December 2023 : **IEEE Afro-Mediterranean Conference on Artificial Intelligence (AMCAI)**
- 16-18 December 2023 : **14th International Renewable Energy Congress (IREC)**
- 18-20 December 2023: **IEEE 11th International Conference on Systems and Control (ICSC)**
- 21-23 December 2023 : **IEEE International Conference Challenges and Innovations on TIC (I2CIT)**

**Tunisia Section Accountability platform as PFA projects:**



Recognition of the accountability platform developers team during TSYP11 Congress



**Agreement IEEE Tunisia Section & Honoris United Universities in Tunisia:**



Meeting the 2023 IEEE President, Pr. Saifur Rahman, talk entitled “Role of the Smart Grid and Microgrid in Decarbonization” which was held during The 14th International Renewable Energy Congress (IREC2023):



**Activities in Montreal - Canada (before IEEE Sections Congress):** IEEE senior and student members, from the Tunisia Section, were welcomed by the CCCT Chambre de Commerce Canado-Tunisienne on August 9, 2023, and by the Computer Research Institute of Montreal, CRIM, in Montreal-Canada to discuss future collaboration opportunities.



**IEEE Student paper contest during TSYP 2023:**

- **17 submissions**
- **Winner Award:** Mahdi Hadj Sassi, ENSIT SB
- **Runner-Up Award:** Aziz Amari, IEEE INSAT SB



## Implementation of the data science aspect for the U-BooK application

**Hadj Sassi Mahdi**  
Supervised by **M.Tarek Ben Mena**  
*Faculty Of Science Of Bizerte*  
*IT Department*  
mahdihadjsassi@ieee.org

**2023 international Received Awards:**

- 2023 WIE Student Affinity Group of the Year Award
- 2023 SSCS Chapter of the Year Award
- IAS CMD Chapter Web Contest 2023
- 3rd prize in the Global Mentoring Program Contest 2023
- Finalist Memorial SBC in the SBC Competition
- IEEE Volt program 2022 Graduation award
- 2023 IEEE WIE Inspiring Student Member of the year Award
- Computer Society 20 in their 20s Honoree Recognition
- Winners of the 2023 Arab IoT & AI Challenge Finals in University Teams Track
- 3rd place in the IEEE R8 AI Doctorate Symposium
- Most Inspiring IEEE Region 8 SIGHT Day 2023 Celebration
- 2023 IEEE Region 8 Student Affinity group of the year Award.
- 2023 Region 8 Outstanding Women in Engineering Student Volunteer Award.
- 2023 IEEE Region 8 Student Branch Chapter of the year (Large) Award
- 2023 IEEE Region 8 Student Branch SIGHT of the year Award
- 2023 IEEE Region 8 Chapter the year (Large) Award
- 2023 Region 8 chapter of the year Award (small category)
- EDUCON'2022 - IEEE iCON for outstanding achievement in conference innovation
- 2023 IEEE Education Society Chapter Achievement Award
- ESPRT SB - Silver category Darrel Chong Student Activity Award for the remarkable success of TSYP 10th edition in conjunction with YPS'22
- ENET'Com SB - Bronze category Darrel Chong Student Activity Award for the remarkable success of TSYP 10th edition in conjunction with YPS'22

**Granted Awards by Tunisia section for its units and volunteers, on December of each year:**

- 3 Outstanding Student Branch Awards (categories: Large, medium and Small)
- Outstanding Student Branch Chapter Award
- Outstanding WIE Student Affinity Group Award
- Outstanding Chapter award
- Outstanding Achievement Award
- Rising Star Awards

**Planned Conferences, Schools and Congresses:**

- 27-29 April, 2024: **IEEE International Conference on Advanced Systems and Emergent Technologies (IC\_ASET)**
- 3-5 May, 2024: **IEEE 15th Int. Colloquium on Logistics and Supply Chain Management (LOGISTIQUA)**
- 19-21 May, 2024: **IEEE 4th International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA)**
- 17-19 July, 2024: **IEEE 28th International Conference on Intelligent Engineering Systems 2024 (INES 2024)**
- 18-21 July, 2024: **Summer School on Intelligent Transportation Systems: Theory and Applications (ITTA'2024)**
- 18-20 September, 2024: **IEEE 8th Forum on Research and Technologies for Society and Industry Innovation (RTSI)**
- 9 November 2024: **Meeting with the 2024 IEEE President**
- 16-18 December, 2024: **TSYP'12**

**How Region 8 can be of help to your Section, members, and activities**

The Tunisia section faces a problem of membership retention of students after graduation. The professional membership fees are very high compared to the local salaries. The 50% discount (minimum income option) of the traditional membership fee is not sufficient and the electronic membership fee is higher compared to the membership fee with this discount. It is important to review the professional membership fee according to the GNI for each country.

**Any other issues of interest**