



IEEE Algeria section

Short review of the section's Actions and activities,

Period 2016-2021

January,6th, 2021

By: Pr A. MEKHALDI, Dr FZ CHELALI, Pr S. DRID and Dr N. CHAIB

Summary

- 1. Brief introduction (Algeria Sub section vs Algeria Section, Africa Council);
- 2. Membership developpement;
- 3. Chapters / Joint Chapters/ Student Branch;
- 4. Review of the section's Actions and activities(Achievements (Online meeting, IEEE Sight Group, etc)
- 5. Conferences technically co sponsored by Algeria section and IEEE
- 6. Recommandations

1.Algeria IEEE Section



The Algeria IEEE section was officially created in December 2015

Algeria section Web site <http://www.ieee-dz.org/>

Region 8 Vision

Region 8 is an effectively organized, dynamic and influential entity, recognized as a leading and esteemed part of a truly transnational IEEE, with IEEE benefits equally available to all members

Our Global



IEEE web site:
<https://www.ieee.org/>



1. Highlights (IEEE Algeria sub section vs Section)



- ▶ The project of the IEEE Algeria subsection was launched for the first time on 25 June 2011, then it was approved in the MGA Board at its 19 November 2011 meeting.
- ▶ The Algeria IEEE section was officially created in December 2015

Sub section: 2012-2015



Section: since January 2016



Web site <http://www.ieee-dz.org/sponsoring.php>



1. Highlights (IEEE Algeria sub section)



The IEEE Algeria Subsection was approved in the MGA Board during its 19 November 2011 meeting, with a petition of 59 IEEE qualified signatures.

- The first GM was at Mentouri university - Constantine on 27 May 2012.
- **Prof. Abdelmalek KHEZZAR** presented a summary of IEEE Sub section and its objectives(about 110 members joined the sub section),

From 2012-2014

Chair: **Prof. Fateh Krim**

Vice Chair: Prof. A. Tilmatine

Secretary: Dr. M. Azzouzi

Treasurer: Dr. M. Challal

From January 2014-December 2015

Chair: **Prof. A. Tilmatine**

Vice Chair: Prof. A. Khezzar

Secretary: Dr. M. Azzouzi

Treasurer: Pr. S. Drid

Web site <http://www.ieee-dz.org/sponsoring.php>



1.Highlights (IEEE Algeria sub section vs Section).



- The IEEE Algeria Subsection has gained 219 active members in 2015. Petition of the elevation to a section statute has been submitted to the MGA board of R8 and our Sub section has been successfully elevated to IEEE Algeria section in 2015,
- New Student Branch Chapter has been approved at the university of Boumerdes.
- A General Assembly of IEEE Algeria Section Members was hold on 27, February 2016, Algiers at the National Ploytechnic School ENP.
- Chair:Prof. Amar Tilmatine
- Vice Chair: Prof. Abdelouahab Mekhaldi
- Secretary:Dr. Fatma zohra Chelali
- Treasurer: Dr. Noureddine Chaib

1. IEEE Africa Council / Algeria IEEE Section



- The Algeria IEEE Section has also participated to form the IEEE Africa Council approved by IEEE Region 8 and the Member and Geographic Activities Board (Tunis, June 2018). This was preceded by the elaboration of the IEEE Africa Council Bylaws.



African Regions *(African Union classification)*

Regions	Countries
North	Algeria, Egypt, Libya, Tunisia and Morocco
West	Benin, Burkina Faso, Côte d'Ivoire, Cape Verde, Gambia, Ghana, Guinea, Guinea- Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone and Togo
Central	Burundi, Cameroon, Central African Republic, Chad, Congo, Congo (DRC), Equatorial Guinea, Gabon and São Tomé and Príncipe
East	Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Mauritius, Rwanda, Seychelles, Somalia, Sudan, South Sudan, Uganda and Tanzania
South	Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, eSwatini, Zambia and Zimbabwe

24



The IEEE Board of Directors approved formation of IEEE Africa Council on June 24, 2018

1. IEEE Africa Council / Algeria IEEE Section



MINUTES OF 1ST IEEE AFRICA COUNCIL MEETING HELD ON 29 JUNE 2018 AT RAMADA PLAZA HOTEL, TUNIS, TUNISIA



Participation of IEEE Algeria section by Prof A. MEKHALDI at Tunis
on June , 29th,2018

1. IEEE Africa Council / Algeria IEEE Section



The highlights of IEEE President's presentation on IEEE strategy for Africa were:

- That IEEE can best help African countries build engineering capacity by focusing on three overarching goals:
 - Goal 1: Support Engineering Education and Workforce Development.
 - Goal 2: Build a sustainable community of IEEE members and volunteers.
 - Goal 3: Support Government policy development and increase opportunities for IEEE to serve as a resource for engineering capacity development [1].

**[1] MINUTES OF 1ST IEEE AFRICA COUNCIL MEETING HELD ON 29 JUNE 2018 AT
RAMADA PLAZA HOTEL, TUNIS, TUNISIA**

- Algeria Section prepared in October 2018 a meeting in partnership with the Algerian Association of Electronic and Electrical engineering to promote relationship with industrial researchers.

List of existing Chapters

- Joint Chapter: IEEE Industry Application/Industrial Electronics.
- Power and Energy Chapter.
- IEEE Nuclear and Plasma Sciences / Dielectrics and Electrical Insulation Joint Chapter.

Magnetics & Electromagnetic Compatibility Chapter

**[1] MINUTES OF 1ST IEEE AFRICA COUNCIL MEETING HELD ON 29 JUNE 2018 AT
RAMADA PLAZA HOTEL, TUNIS, TUNISIA**

1. Algeria IEEE Section



Student Branch created until 2016

- Two Student Branch (Constantine and Boumerdes)

Organizational Type	Student Branch			
Organizational Unit Name	Position Description	Position Start Date	First Name	Last Name
Mentouri University Constantine	Chair		Abdlfettah	BOUSSAID
	Counselor	6/18/2012	Abdelmalek	Khezzar
University of Boumerdes	Chair	1/9/2015	Abderaouf	ESSAHELI
	Counselor	8/28/2014	Mouloud	Challal

IEEE web site:
<https://vtools.ieee.org/>



1. Algeria IEEE Section

Current Affinity Group Chairs since 2017



Organizational Unit Name	Position Description	Position Start Date	Position End Date	First Name	Last Name
Algeria Section Affinity Group, YP	Affinity Group Chair	10/04/2017		Hicham	Berkouk

IEEE web site:
<https://vtools.ieee.org/>

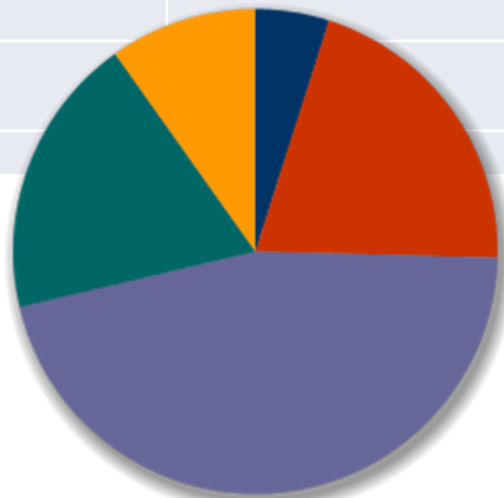
2. Section vitality

2.1 Vitality for the year 2016

Active Member Counts by Grade, by
Section

Section Name	IEEE Current Grade Description	Count of Members*
Algeria Section	Associate Member	6
	Graduate Student Member	25
	Member	56
	Senior Member	23
	Student Member	12
		122
Algeria Section Total		122

Chair: Pr. A. Tilmatine
 Vice chair: Pr. A. Mekhaldi
 Secretary: Dr. FZ Chelali
 Treasurer: Dr. N. Chaib



■ Associate Member
 ■ Graduate Student Member
 ■ Member
 ■ Senior Member
 ■ Student Member

IEEE web site:
<https://vtools.ieee.org/>

2. Section vitality



Actual Staff of Algeria IEEE Section

➤ ***Volunteer position 2020-2021***

Position	Last Name	First Name	Grade
Chair	Mekhaldi	Abdelouahab	Senior Member
Conference Coordinator	Challal	Mouloud	Senior Member
Editor-in-Chief	Tounsi	MohamedLamine	Senior Member
Industry Relations Coordinator	Boubakeur	Ahmed	Senior Member
Membership Development	Krim	Fateh	Senior Member
Nominations	Chentir	Amina	Senior Member
Secretary	Chaib	Noureddine	Senior Member
Student Representative	Reguig	Abdeldjalil	Member
Treasurer	Drid	Said	Senior Member
Vice Chair	CHELALI	Fatma zohra	Senior Member
Webmaster	YAHIAOUI	Said	Member

Prof M. Tounsi is the actual Webmaster

IEEE web site:<https://vtools.ieee.org/>



2. Section vitality

Algeria section membership 2020

IEEE OU Analytics

Members and Affiliates - Dashboard

This dashboard provides interactive views for members, society affiliates, and participants by region, geographic council, section and subsection.

- Refine data through filters or click within a visualization to view results and details.
- Hover over a visualization to display a tooltip with statistical facts.

• **Important:** Choose an OU from "Select OU of your Volunteer Role" filter to view customized results for your OU position.

Select OU of your Volunteer Role
Tout

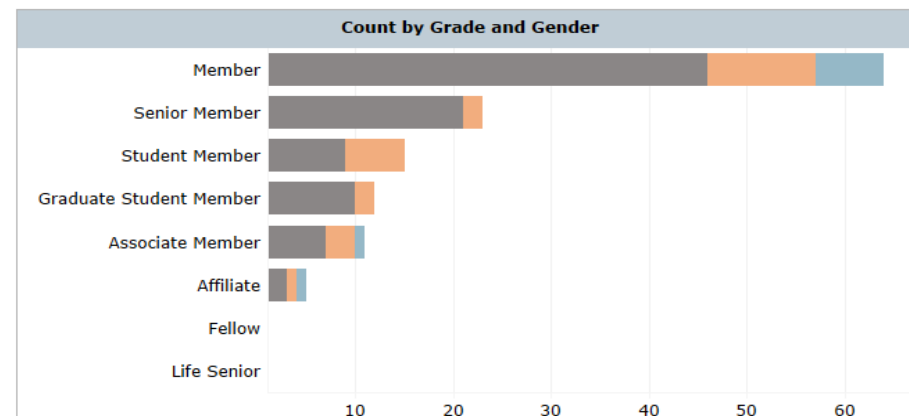
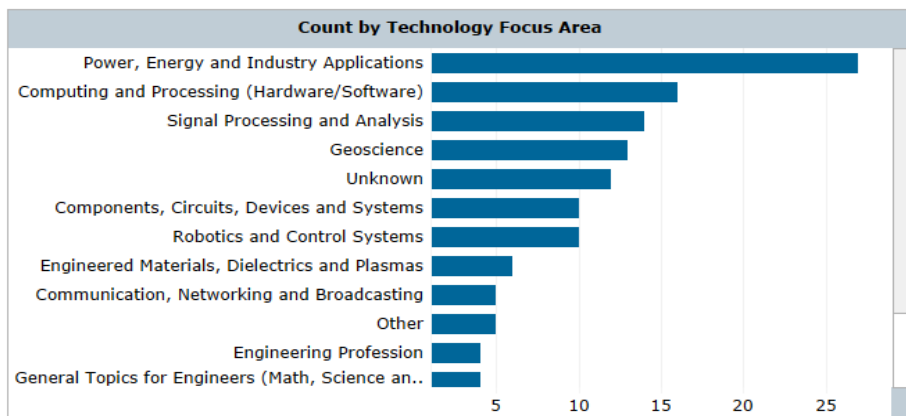
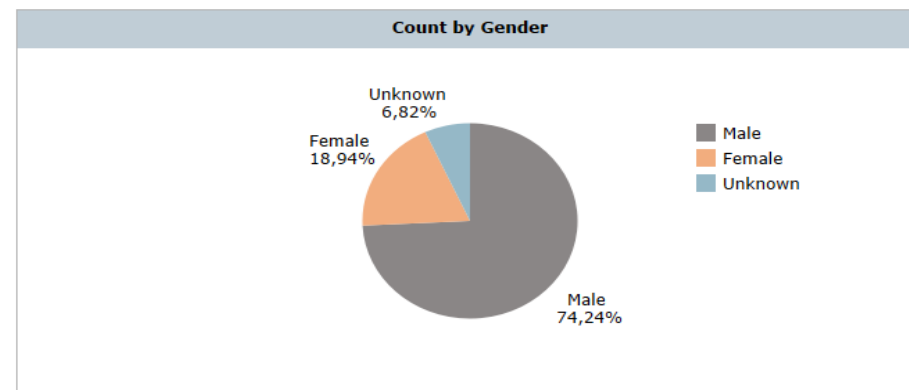
Region
Tout

Grade
Tout

IEEE Status
Active

HKN Member
Tout

Count by Region and Grade					
Region	Council	Section	Grade Category	Grade	Total
R8	Africa Council	Algeria Section	IEEE Grades	Associate Member	11
				Fellow	1
				Graduate Student Member	12
				Life Senior	1
				Member	64
				Senior Member	23
				Student Member	15
			Other Grades	Affiliate	5
			Total		132
			Total		
Total					132
Total général					132



Note: Data displayed is based upon volunteer access privileges.

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2. Section vitality

Algeria section membership 2020

IEEE OU Analytics

Students - Dashboard

This dashboard provides interactive views for the members attending educational institutions in your organizational unit.

- Refine data through filters or click within a visualization to view results and details.
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- **Important: Choose an OU from "Select OU of your Volunteer Role" filter to view customized results for your OU position.**

Select OU of your Volunteer Role
Tout

Region
Tout

Grade
Tout

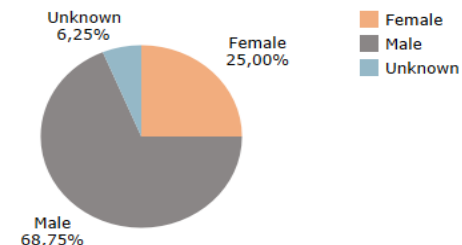
IEEE Status
Active

HKN Member
Tout

Student Count by Section and School

School Se..	School Name	Total
Algeria Section	Ecole Nationale Polytec..	8
	Ecole Nationale Superie..	2
	Larbi Ben M'hidi O.E.B ..	2
	Oran Univ Des Sciences..	3
	Science And Tech Of Al..	1
	Univ Des Sciences De L..	3
	Universite 08 mai 1945	1
	Universite Abou Bekr B..	2
	Universite D'Oran 2 Mo..	2
	University of Boumerdes	4
	Ziane Achour University..	1
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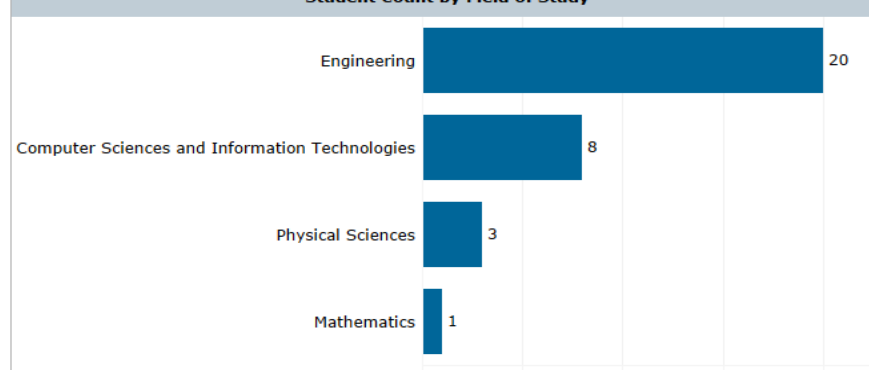
Student Count by Gender



Student Count by Grade

Region	Council	Section	Grade	Total
R8	Africa Council	Algeria Section	Associate Member	1
			Graduate Student Member	5
			Member	6
			Student Member	14
		Total	26	
	Region 8 - No Council	Finland Section	Student Member	1
		France Section	Graduate Student Member	1
			Member	1
			Student Member	1
		Germany Section	Member	1
		Qatar Section	Student Member	1
		Total	6	
Total général				32

Student Count by Field of Study



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2. Section vitality section membership 2020

IEEE OU Analytics

Students - Dashboard

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- **Important: Choose an OU from "Select OU of your Volunteer Role" filter to view customized results for your OU position.**

Select OU of your Volunteer Role
Tout

Region
Tout

Grade
Tout

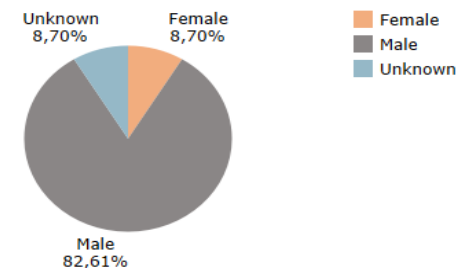
IEEE Status
Active

HKN Member
Tout

Student Count by Section and School

School Se...	School Name	Total
Algeria Section	Batna Univ Of-Algeria	1
	Ecole Nationale Polytec..	8
	Larbi Ben M'hidi O.E.B ..	1
	Oran Univ Des Sciences..	2
	Univ Des Sciences De L..	1
	Universite Abou Bekr B..	1
	University of Bouverdes	3
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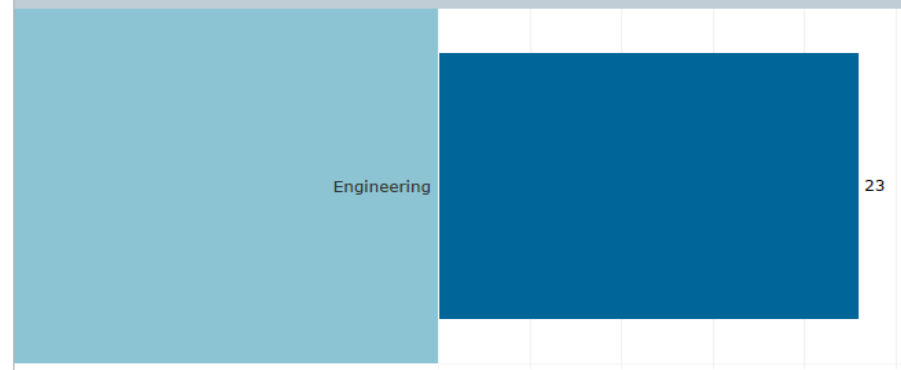
Student Count by Gender



Student Count by Grade

Region	Council	Section	Grade	Total
R8	Africa Council	Algeria Section	Associate Member	1
			Graduate Student Member	6
			Member	7
			Student Member	9
		Total	23	
Total général				23

Student Count by Field of Study



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2. Section vitality

Algeria section membership 2021



Tools ieee - Recherche Google x | IEEE OU Analytics - IEEE Member x | Landing Page : Landing Page x | Memberships, Subscriptions x | Members and Affiliates : Dasi x

tblanalytics.ieee.org/#/site/IEEE/views/MembersandAffiliates/Dashboard?iid=3

Explorer / IEEE OU Analytics / Members and Affiliates / Dashboard

Annuler Refaire Rétablir Actualiser Pause

Vue : Original Alertes Métriques S'abonner Partager Télécharger Plein écran

IEEE OU Analytics

Members and Affiliates - Dashboard

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- Refine data through filters or click within a visualization to view results and details.
- Hover over a visualization to display a tooltip with statistical facts.
- Important: Choose an OU from "Select OU of your Volunteer Role" filter to view customized results for your OU position.**

Select OU of your Volunteer Role: Algeria Section

Region: R8 Grade: (Tout) IEEE Status: Active HKN Member: (Tout)

Region	Council	Section	Grade Category	Grade	Total
R8	Africa Council	Algeria Section	IEEE Grades	Associate Member	1
				Fellow	1
				Graduate Student Member	31
				Life Senior	1
				Member	47
				Senior Member	26
				Student Member	38
				Other Grades	Affiliate
			Total	147	
Total					147
Total général					147

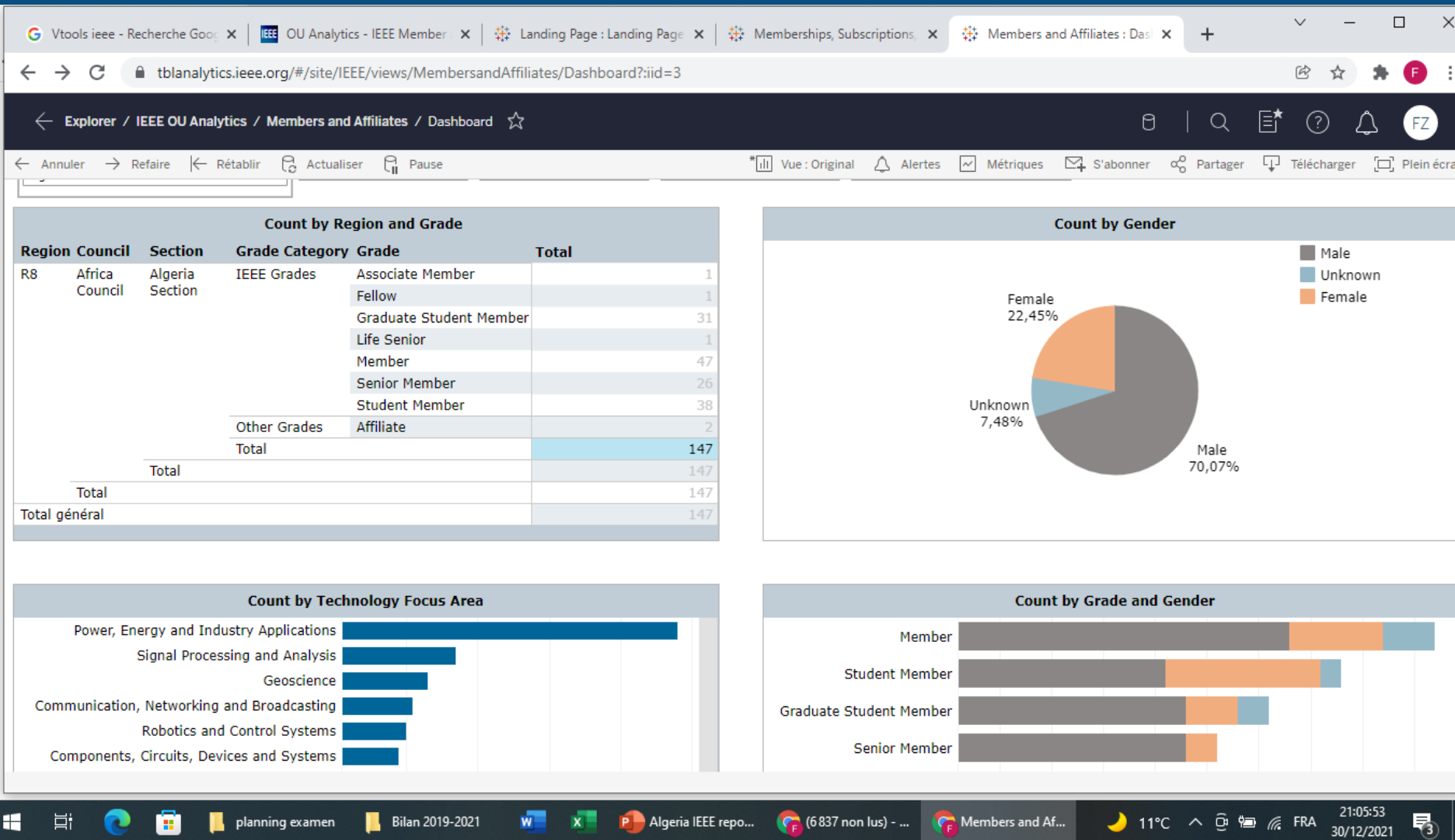
Count by Gender

Gender	Percentage
Male	70,07%
Female	22,45%
Unknown	7,48%

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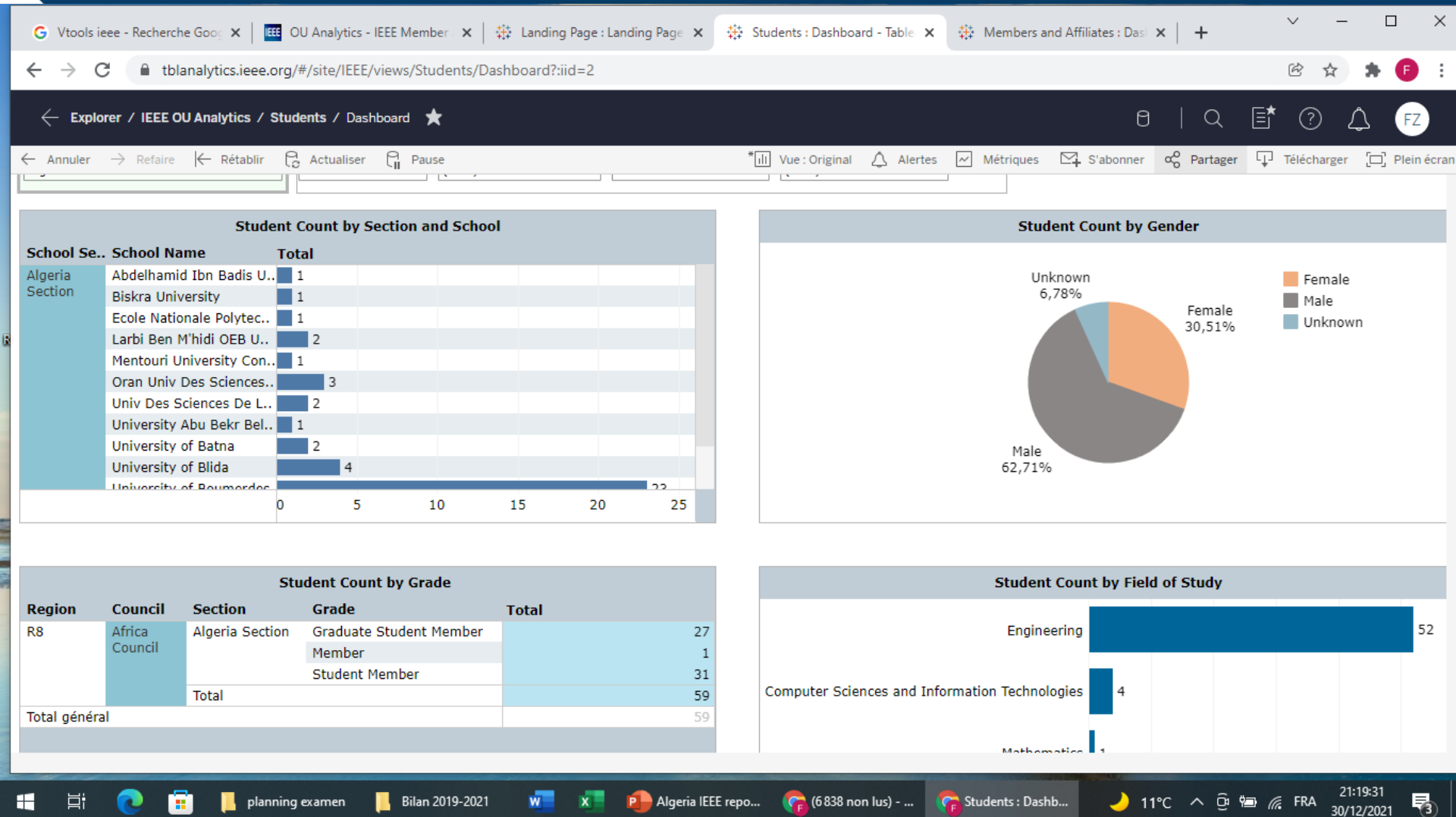
2. Section vitality

Algeria section membership 2020



2. Section vitality

Student and Graduate student statistics 2021



2. Section vitality

IEEE Algeria section



❑ Outstanding section membership recruitment performance



**2017 Outstanding Section Membership
Recruitment Performance**

Algeria Section



**2019 Outstanding Section Membership
Recruitment and Retention Performance**

Algeria Section

- Prof Adel BELOUCHRANI, from ENP, is a fellow member since 2020
- Algeria section has 26 senior members IEEE

3. Chapters and joint chapters

- IEEE Geoscience and Remote Sensing Society;
- IEEE Industrial Electronics Society;
- IEEE Industry Applications;
- IEEE Power & Energy;
- IEEE Power Electronics, IEEE Nuclear and Plasma Sciences

3. Chapters and joint chapters

Steps for creating a chapter:

- Find at least 12 members/ senior members/ Fellow members willing to be founders of this Chapter;
- Prepare a petition collecting the IEEE membership numbers and the signatures of the members (members should be from different universities, The 12 founding members must be members of IEEE for at least 6 months.)
- Asking for the approval of the IEEE Algeria section;
- All these documents and the Section approval must be provided via e-mail to the IEEE MGA staff for final approval, pending the agreement of GRSS officials.

<https://mga.ieee.org/resources-operations/geographic-unit/chapters#sec4>

3. Chapters and joint chapters

Algeria Chapter EM 27, Chair Pr A. Bendaoud

Algeria Chapter PE31, Chair Pr. Said Drid.

Algeria chapter GRS29, Chair Pr. Boularbah Souissi,

Algeria Joint Chapter IE13/IA34, Chair Pr. Fateh Krim

Algeria Joint Chapter NPS05/PEI32, Chair: Pr. Amar Tilmatine

➤ **We listed the most meetings which were hold in 2020**

IEEE-GRSS ALGERIA & TUNISIA CHAPETRS MEETING, Hosted by IEEE Geoscience and Remote Sensing Society (IEEE GRSS), the Mediterranean and Middle-East Geoscience and Remote Sensing Symposium 2020 (M2GARSS 2020) was hold from March 9th to March 11th, 2020 in Tunis, Tunisia.

➤ 3. Chapters and joint chapters

➤ We listed the most meetings which were hold in 2020

1. *Algeria Joint Chapter IE13,IA34, MANAGEMENT OF THE POWER FLOW IN THE SMART GRIDS*, The objective of this meeting is to discuss the essential functions associated with a smart grid among them the control of the power flow . University of Setif.
2. *Algeria section Chapter GRS29, TPC&TOC MEETING FOR AGR3S 2020*, A technical and organisational programs meeting for the preparation of 4th edition of the summer school AGR3S 2020 tobe held in Canstantine,. The mixed committee between the IEEE-GRSS Algeria chapter members and the responsible of the university, discussed and prepared an agenda and the necessary materials for the summer school. University of Salah Boubendir, Constantine, Algeria.

➤ 3. Chapters and joint chapters

➤ We listed the most meetings which were hold in 2021

IEEE GRSS ALGERIA CHAPTER & ALGERIAN ASSOCIATION OF GRS MEETING

The members of both the IEEE GRSS Algeria chapter and the Algerian Association of Geoscience and Remote sensing organized the 1st meeting on December, 25th, 2021, for future collaboration in the field of geoscience and remote sensing for different region in Algeria and especially in the Djelfa region which is rich of natural resources and animals. At the same, the Algerian Space Agency will be present during the meeting to show its different services for participants and some invited institutions and organizations.



➤ *3. Chapters and joint chapters*

➤ **We listed the most meetings which were hold in 2021**

MEETING 2: PREPARATION OF THE 5TH SCHOOL AGR3S 2022, OCTOBER,17TH,2021

2nd meeting for the preparation of the 5th edition of the IEEE-GRSS AGR3S 2022 summer school.

- Algeria Section Jt Chapter,IE13/IA34

- *APPLICATION OF ARTIFICIAL INTELLIGENCE TECHNIQUES FOR FAULTS
DIAGNOSIS IN PHOTOVOLTAIC SYSTEMS, SEPTEMBER,30TH,2021*

• This conference deals with the application of artificial intelligence techniques for the diagnosis, detection and classification of defects in photovoltaic systems. These latter like all electrical and electronic systems, can break down and degrade during the operating period. This requires a diagnostic whose main objective is to provide an automatic tool that can early detect defects to protect the persons and installations, and in addition can classify this defects.

► **Students**

► ***List of Student Branches (SB) in Algeria IEEE Section are listed :***

1. Student Branch of Boumerdes, Chair: Youcef Islem MALKI. Starts on July, 15, 2020.
2. Mentouri university of Constantine, Chair: Boussaid Abdelfettah. Starts on June, 18, 2012.
3. Ecole Nationale Polytechnique, Chair Oussedik Nassila. Starts on September, 09, 2019

- The most important activities in 2020 were done virtually because of the pandemic situation, they are listed below:

Student Branch of Boumerdes University, DISCUSSION WITH BOUMERDES SB. Discussion about participation in a robotics competition.

Student Branch of Polytechnic School ENP of Algiers, FIELD TRIP TO ALGESCO, Field trip with IEEE SB members to the General Electrics turbomachinery maintenance center, ALGESCO, located in Boufarik. Blida.

Student Branch of Boumerdes, "MENTAL HEALTH AND THE COVID_19 PANDEMIC", The event was a Live with a doctor of psychology, to discuss the effects of the covid_19 pandemic, the lockdown and different measures that have reshaped everyday life, and their impact on mental health. University of Boumerdes.

- The most important activities during 2021 were done virtually, they are listed below

Student Branch of Boumerdes University

IEEE SB UOB ARDUINO BOTCAMP

"IEEE SB UoB Arduino Bootcamp" is an Arduino training from A to Z for beginners, at the end participants have to implement a project to demonstrate what they have learnt during the training and participate in our internal competition as well as IEEEScuino Competition.

WEB DEVELOPMENT: FRONT END TRAINING

The first workshop of " Front end development" is aimed towards giving the attendees enough background to design their first websites at the end of the training using HTML, Bootstrap , JS and JQuery for responsive website designs.

4. Actions and activities

➤ *What our section should do each year?*

- Plan and budget for Section activities for the year.
- Use VTools to run the Section(event schedule and report);
- Use OU Analytics to run the Section;
- Communicate with the Section membership and announce new officers.
- Review meeting reporting on vTools for your local units and contact volunteers to update.
- Plan and budget for Chapter, Student activities and Affinity Group activities for the year.
- Establish a plan for engaging with members in industry.
- Conduct an event to support involvement with local industry

4. Actions and activities



➤ *What our section should do each year as recommended by IEEE*

- Report at least 5 meetings each year
- Maintain a min. 25 members other than Students
- Report at least 2 technical meetings each year
- Maintain a min. 10 members other than Students
- Report at least 2 meetings per year or maintain a level of activity acceptable to the regional director.
- Maintain a min. 6 members other than students

4. Actions and activities Meetings

- A General Assembly of IEEE Algeria Section Members was hold on 27, February 2016, Algiers at the National Ploytechnic School ENP.
 - Chair: Prof. Amar Tilmatine
 - Vice Chair: Prof. Abdelouahab Mekhaldi
 - Secretary: Dr. Fatma zohra Chelali
 - Treasurer: Dr. Noureddine Chaib
- A conference on the author Rights and plagiarism was given by Prof A.Boubakeur from ENP, Algiers.*

Web site <http://www.ieee-dz.org/sponsoring.php>

4. Actions and activities

➤ Meeting of IEEE Algeria Section Members on 24, May 2016, Algiers

The meeting was organized by **Prof Mohamed.Boudour** at University of Science and Technology Houari Boumediene.

Plan of the year 2016

1. Organization of workshops for each chapter;
2. Discussing the problems related to the difficulties of membership fees payment to become a member of the IEEE Algeria section;
3. Encouraging the establishment of forming IEEE young professionals (YP) Affinity Groups.

*During the National Conference on the high voltage, **Prof. Issouf FOFANA** from Quebec University presented a talk on condition Assessment techniques for Aged transformers*

Web site <http://www.ieee-dz.org/>

4. Actions and activities

Volunteer activities within IEEE : *Voluntary Contribution Fund* student branches, 2016.

- Participation of 4 students to the *IEEE Tunisian Students & Young Professionals Congress (TSYP)*, – Tunisia ,18 – 20 December 2016 : Reguig Abdeldjali, Tamerist Khalil, Hicham Berkouk and Hadj Dida Abdelkader.

The purpose of this Congress is to help students, young graduates and young professionals to better understand the different areas of engineering in promoting the exchange of knowledge and skills.



4. Actions and activities

Meeting IEEE Algeria section on April, 29th, 2017 at ENP

- National polytechnic School; ENP, Algiers



4. Actions and activities

Meeting IEEE Algeria section on April, 29th, 2017 at ENP

- National polytechnic School; ENP, Algiers

A workshop was organized by Prof A.Mekhaldi where doctorate students have presented their Reesearch works.



Dr Mustapha Hatti has presented a talk about Smart city and announced the International Conference on Artificial Intelligence in Renewable Energetic Systems IC AIRES2017 which will be hold on October 2017

4. Actions and activities

Meeting IEEE Algeria section on April, 29th, 2017 at ENP

- *Dr Fatma zohra Chelali* presented the IEEE Algeria section vitality including membership, chapters, affinity group, sponsored conferences for 2016 and 2017. The members have discussed the situation of the actual chapters and the creation of the a new chapter called Geodesy and remote sensing by Dr Souissi Boularbah



Pr F.Krim presented the membership statistics of the section and discusses different ways to enhance membership development



Web site <http://www.ieee-dz.org/>

4. Actions and activities

Meeting IEEE Algeria section on April, 29th, 2017 at ENP



Mr Hichem Berkouk presented an overview about his participation with 03 Algerian students in the IEEE Students & Young Professionals TSYP congress in December 2016 and announced the creation of the young professional group

4. Actions and activities

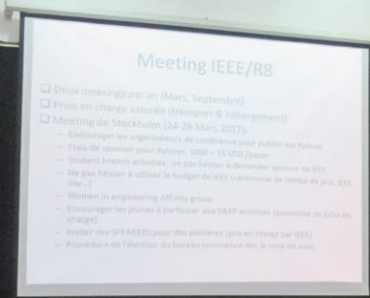
Meeting IEEE Algeria section on April, 29th, 2017 at ENP

Pr A. Tilmatine presented an overview of his recent participation to the IEEE meeting in Stockholm, 24-26 march 2017. He also presented a tutorial about how to schedule and report a meeting on Vtools.



Dr Nouredine Chaib presented the financial activities for 2016 by presenting the actual balance.

Web site <http://www.ieee-dz.org/>



4. Actions and activities

Meeting IEEE Algeria section on April, 29th, 2017 at ENP

Pr M. Boudour presented the request for preparing the Maghrebine conference CISTEM'18, technically co sponsored by Algeria and Tunisia IEEE sections.



The first edition was held in Tunis (CISTEM-2014) and the second in «Marrakesh» in 2016.

Web site <http://www.ieee-dz.org/>

4. Actions and activities

Meeting IEEE Algeria section on November 2018

University of Science and
Technology Houari Boumediene,
USTHB, Algiers.



First phase to prepare the first
"International Conference on
Advanced Electrical Engineering
2019 (ICAEE 2019)."

4. Actions and activities

Meeting IEEE Algeria section on December 2018

➤ University of Sidi Bellabes

Second phase for preparing the first
"International Journal of Electronics and
Electrical Engineering Systems ICAEE'19"



ICAEE'19 is Jointly co sponsored by IEEE
Algeria section and the Algeria
"Association Algérienne de Génie Electrique
et Electronique (AAGEE)".

4. Actions and activities

Algeria IEEE section's Activities

➤ *International Journal IJEEES*

Algeria section has achieved some interesting activities such as the creation of a new academic research journal named "[International Journal of Electronics and Electrical Engineering Systems IJEEES](http://ijeees.com/)", created and edited by a local national association "Association Algérienne de Génie Electrique et Electronique (AAGEE)", in collaboration with IEEE Algeria section.

ISSN 2602-7437

International
Journal of
Electronic and
Electrical
Engineering
Systems

Edited by : Association Algérienne de Génie Electrique et Electronique



Volume 1, N°1 – March 2018

<http://ijeees.com>

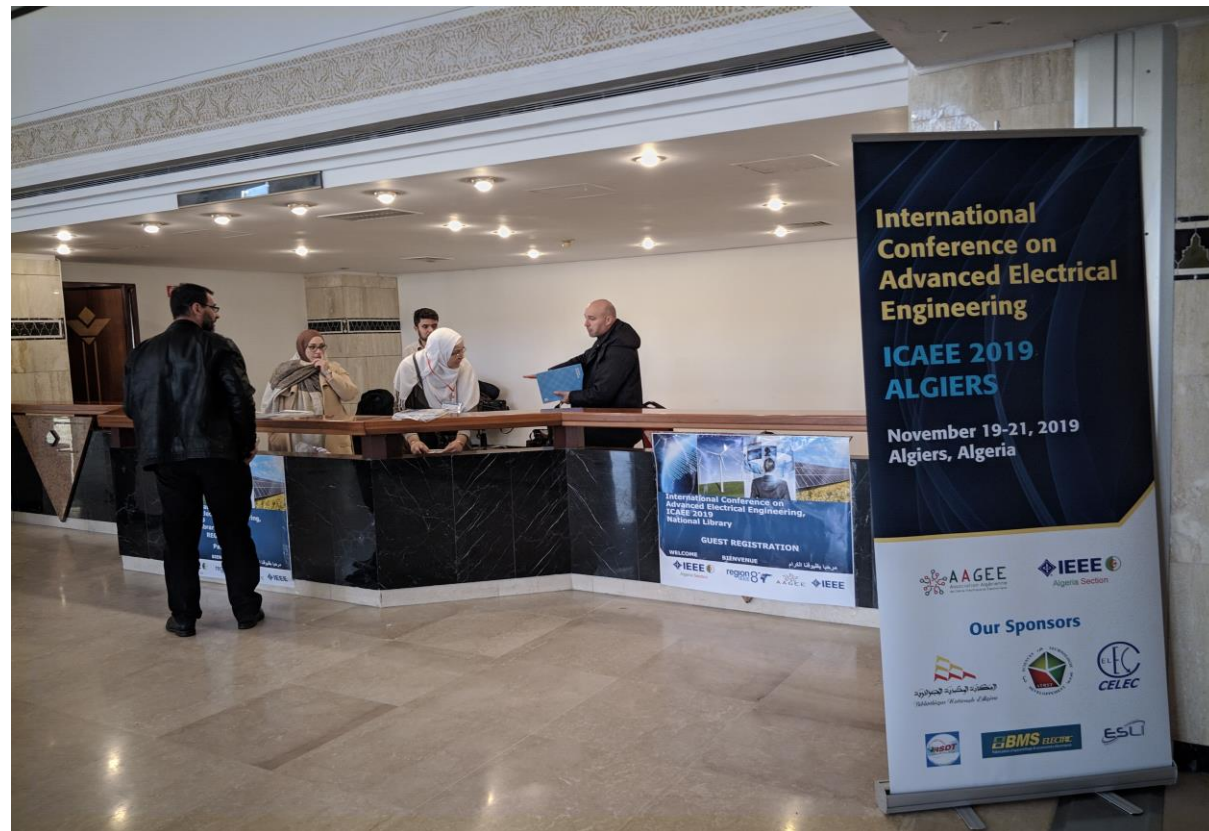
Association "Association Algérienne de Génie Electrique et Electronique (AAGEE)",
<https://www.aagee.dz/>

IJEEES (International Journal of Electronic and Electrical Engineering Systems)
<https://ijeees.com/>

4. Algeria IEEE section's Activities

2. International Conference on Advanced Electrical Engineering 2019 (ICAEE 2019)

The [IEEE Algeria Section](#) and the AAGEE "[Association Algérienne de Génie Électrique et Électronique](#)" has organized the **International Conference on Advanced Electrical Engineering 2019 (ICAEE 2019)** 19th to 21th November, 2019 at Algiers, National Library, EL Hamma, Algeria.



4. Algeria IEEE section's Activities

International Conference on Advanced Electrical Engineering 2019 (ICAEE 2019)

Chair: Dr B, SOUISSI
Vice Chair: Prof A. MEKHALDI and
Dr FZ CHELALI
Technical Chair: Pr A. KHEZZAR
And Pr L.BAGHLI

220 papers accepted over
450 papers submitted

The Electronic Club « **CLUB
CELEC** » from **USTHB** has
participated in the organizing
committee



Financial sponsors:
BMS and ESLI



4. Algeria IEEE section's Activities

International Conference on Advanced Electrical Engineering 2019 (ICAEE 2019)



4. Algeria IEEE section's Activities

➤ *Meeting Algeria IEEE section/ USA IEEE section*

➤ *Online meeting using Zoom, November, 7th, 2020*

This meeting was conjointly organized by IEEE Algeria section, Pr Mohamed Rachedine and Pr Cherif Chibane from USA who present their wishes to help our section in organizing tutorial for students.

Meeting :

Benefits of IEEE activities and membership in career development and advancement , Dr. Naresh Chand, IEEE Life Fellow, New Jersey, USA

Moderator of the meeting : Prof Cherif Chibane and Prof Mohamed Rachedine

Presentation of Algeria IEEE section: Dr Fatma zohra Chelali

Web site <http://www.ieee-dz.org/>

4. Algeria IEEE section's Activities

➤ *Meeting Algeria IEEE section/ USA IEEE section*

2. Online meeting, November, 7th, 2020

Benefits of IEEE activities and membership in career development and advancement , Dr. Naresh Chand, IEEE Life Fellow, New Jersey, USA



Biography: Presently Dr. Naresh Chand represents IEEE Photonics Society in multiple voluntary capacities. Recently he retired from the US R&D Center of Huawei Technologies in NJ where he was working on developing low-cost advanced technologies for Ultra-Broadband Optical Access Networks since 2011. Prior to this, he worked for BAE Systems (2003-11), Agere Systems and AT&T/Lucent Bell Laboratories (1986-2003), and Dept of Electronics, Government of India (1974-79). His areas of research include optical communication systems, fiber-to-the-home, RF over fiber, Communication lasers and detectors, HBTs, HEMTs, QWIPs, GaAs/Si and AlGaAs/GaAs MBE. He has several firsts and world records to his credit. He has authored > 180 research papers and 15 patents (issued). He did his M.Sc. (Tech) Electronics in 1974 from BITS, Pilani with Gold Medal On a British Commonwealth Scholarship, he did his M. Eng. (1980) and Ph.D. (1983) in EE from the University of Sheffield, UK. He also did 2 years post-doctoral research at the University of Illinois, Urbana, IL. From 1974 to 1979 In the Dept. of electronics, Govt. of India, he was involved with the licensing and development of Electronic Component industry in India.

4. Algeria IEEE section's Activities

Virtual meeting using Google meet

‣ *Preparation of Algeria SIGHT Group*

‣ *Meeting of the staff of IEEE Algeria section*

On Sunday, March 21, 2021 at 07:30 PM, local time

Guests: Dr Kahina Lasfer, from [Stevens Institute of Technology](#), Hoboken. Design Manager (Chef de projets) at MTA (Metropolitan Transit Authority) Technology & Systems Department, New York, US. United States. IEEE member and IEEE SIGHT volunteer.

Prof. Samir Aouadi, Department of Materials Science and Engineering, University of North Texas, USA. Member of the AAASTE: Algerian American Association For Science Technology and Entrepreneurship.

4. Algeria IEEE section's Activities

Virtual meeting using Google meet

► *Preparation of Algeria SIGHT Group*

Dr Kahina and Prof Aouadi presented the objective of this cooperation to create an IEEE SIGHT Algeria group aiming to promote and encourage humanitarian projects in Algeria with the help of IEEE

The staff of the IEEE section appreciated this action and decided to join this project which aims to develop innovative projects and to encourage researchers and students to send their proposals for a project of socio-professional interest. Algeria section planned to create a SIGHT IEEE Group for Humanitarian Technology.

<https://sight.ieee.org/about-ieee-sight/>

4. Algeria IEEE section's Activities

Virtual meeting using Google meet

► *Preparation of Algeria SIGHT Group*

Meeting of IEEE Algeria SIGHT Group

Sunday, December 05th, 2021 at 06:00 PM, Algiers local time

The Algeria Sight Group has been established and the IEEE SIGHT Group Petition has been submitted to IEEE, but can't be reviewed by the SIGHT team until January 2022. The official list of all members who joined the Group was also submitted. The initial number of the group is about 16 IEEE members and student members

Indeed, the Group will target scientific clubs and individuals in the Algerian universities, mainly in National Polytechnic School ENP, Univ of science and Tech USTHB, Univ of Tlemcen, of Constantine, Setif, Boumerdes, Saida, Blida, Sidi Bellabes, Msila, Djelfa, Adrar, Biskra, El Oued, USTO, Batna, Setif, Skikda, laghouat, Ouargla, etc.

Minutes available in our Web site <http://www.ieee-dz.org/>

4. Algeria IEEE section's Activities

Virtual meeting using Google meet

► *Preparation of Algeria SIGHT Group*

Meeting of IEEE Algeria SIGHT Group

Sunday, December 05th, 2021 at 06:00 PM, Algiers local time

➤ Initial objectives of the Algeria SIGHT Group:

1 Appearance of the SIGHT Group: We wish to enrich the visibility of the group by inviting several researchers and students to join this project. News of the group's creation will be disseminated by current IEEE members.

2 Reach the government level: Submitted and accepted projects are beneficial to the country and constitute an important technological development and can be classified as innovative projects.

How to start a SIGHT Group

<http://ieee-sight-toolkit.org/start/>

<https://sight.ieee.org/about-ieee-sight/>

5. IEEE Conferences technically sponsored

□ Conditions of technical sponsor

- In general, the technical sponsor of IEEE is approved when the followings conditions are respected by the organizers of the conference.
- Firstly, organizers should transmit a letter to the chair , President of Algeria IEEE section, where they mentionned the following points or details (scientific committee, dates or deadlines, location and the web site,etc).
- The scientific committee must contain **at least 10% IEEE members**. After the approval of the section and MCE IEEE (Meeting Conferences and events) , they should publish the accepted papers in IEEEExplore (recommended), Algeria section will assist them for the different tasks needed.
- The IEEE Conference Application requests sponsorship approval from IEEE; permission for naming; and use of the IEEE Logo.
- check our web site <http://www.ieee-dz.org/sponsoring.php>

5.IEEE Conferences technically sponsored

➤ **Past International Conferences**

- In 2015, eight (08) international conferences was co-sponsored technically by the section (ICEE2015, ICATS'15, CIAM'2015, NTIC'15, PAIS2015, CEIT'2015, ICT-TELECOM'2015, ISPS'2015)
In 2016: (ICAASE'16, ICESTI'16 and ICMIC2016).
- Many conferences have been technically co sponsored by IEEE and indexed in IEEEExplore such as ISPS'17, ICEE'17, DAT'17, ICAEE'19

For more details, please check our section website

Past conferences

<http://www.ieee-dz.org/past-conferences.php>

5.IEEE Conferences technically sponsored

➤ Past International Conferences

- IC-AIRES2017 University Center of Tipaza, Tipaza, Algeria, October 22-24, 2017.
- The 5th International Conference on Electrical Engineering – ICEE'2017, October 29th to 31st, 2017, Boumerdes, Algeria;
- The DAT seminar "Detection Systems: Architectures and Technologies", 20th to 22nd February 2017 at the "Cercle National de l'Armée" in Algiers.
- 2018 International Conference on Advanced Systems and Electric Technologies (IC_ASET).
- 2018 International Symposium on Programming and Systems (ISPS).

2018 2nd International Conference on Natural Language and Speech Processing (ICNLSP)

Past conferences

<http://www.ieee-dz.org/past-conferences.php>

5.IEEE Conferences technically sponsored

➤ Past International Conferences:

- 2018 3rd International Conference on Pattern Analysis and Intelligent Systems (PAIS).
- 2018 International Conference on Electrical Sciences and Technologies in Maghreb (CISTEM).

CISTEM'18. ICCEE'18, IC_ASET'19 and IC_ASET 21 jointly sponsored with Tunisia IEEE section

A conference with the national company of Electricity and gaz (Sonelgaz) was organized on February 2019. Some industrials are promoting financial sponsor for our conferences organized with IEEE. We aim to involve some industrials in promoting research at universities.

Past conferences

<http://www.ieee-dz.org/past-conferences.php>

5.IEEE Conferences technically sponsored

➤ Past International Conferences:

- The First International Conference on Communications, Control Systems and Signal Processing (CCSSP 2020), 16-17 March 2020, El-Oued , Algeria;
- 1st International Conference on Sustainable Renewable Energy Systems and Applications (ICSRESA),
- The 6th International Conference on Image and Signal Processing and their Applications, ISPA 2019, Mostaganem, Algeria, from November 24 to 25, 2019.
- 2021 International Conference on Recent Advances in Mathematics and Informatics (ICRAMI);
- The 4th International Conference on Advanced Systems and Emergent Technologies (IC_ASET'2020).

Past conferences

<http://www.ieee-dz.org/past-conferences.php>

5.IEEE Conferences technically sponsored

➤ Future International Conferences

- The 2nd International Conference on Advanced Electrical Engineering 2022 (ICAEE 2022) will be held from 29th to 31st October, 2022 at the Frères Mentouri Constantine 1 University in Constantine, Algeria;
- The seventh International Conference on Image and Signal Processing and their Applications (ISPA 2022), Mostaganem – Algeria, May 8-9, 2022.
- The 4th International Conference on Applied Automation and Industrial Diagnostics, ICAAID 2022, March 29-31, 2022, Hail, KSA;
- The 5th International Conference on Power Electronics and their Applications ICPEA 2022, March 29-31, 2022, Hail, KSA;
- The International Conference IC_ASET'2022, Hammamet–Tunisia, from March 22 to 25, 2022.

Future conferences

<http://www.ieee-dz.org/past-conferences.php>

6.Recommandations

- Our recommendation consists of linking the different sections in Africa Council involved to share ideas related to IEEE activities.
- Promoting membership, inviting industrials, etc;
- Promoting Conference education program;
- It is imperative to seek the students affiliated to IEEE to create their own "Students Branches (SB)" in several universities.
- Encourage the link between industrial companies and university students through events organized by IEEE Algeria such as conferences, forums or the days of studies involving the two parties.

6.Recommandations

- ✓ Create educational activities and seminars within universities for promoting the IEEE section by inviting distinguished lectures;
- ✓ Encourage online seminars to benefit a large number of participants;
- ✓ Improve the visibility of the IEEE section by improving the website and publish all the activities carried out by the IEEE section;
- ✓ Encourage Student Branch to organize scientific workshops for PHD and master students;

Thank you for being member of IEEE Algeria section



The staff of IEEE Algeria section

Prof. A. MEKHALDI, ENP, Algiers

Dr. FZ. CHELALI, USTHB, Algiers

Dr. N.CHAIB, University of laghouat

Prof. S.DRID, University of Batna