

IEEE Africa Council

Habib M. Kammoun
Council secretary

Africa

- ▶ 54 countries
- ▶ 30.3 million km²
- ▶ 1.2 billion people
- ▶ 12 IEEE sections
- ▶ 5 IEEE subsections
- ▶ No IEEE representations in 37 countries



IEEE in Africa Strategy

- ▶ 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

IEEE Africa Council (formed on 23 June 2018)

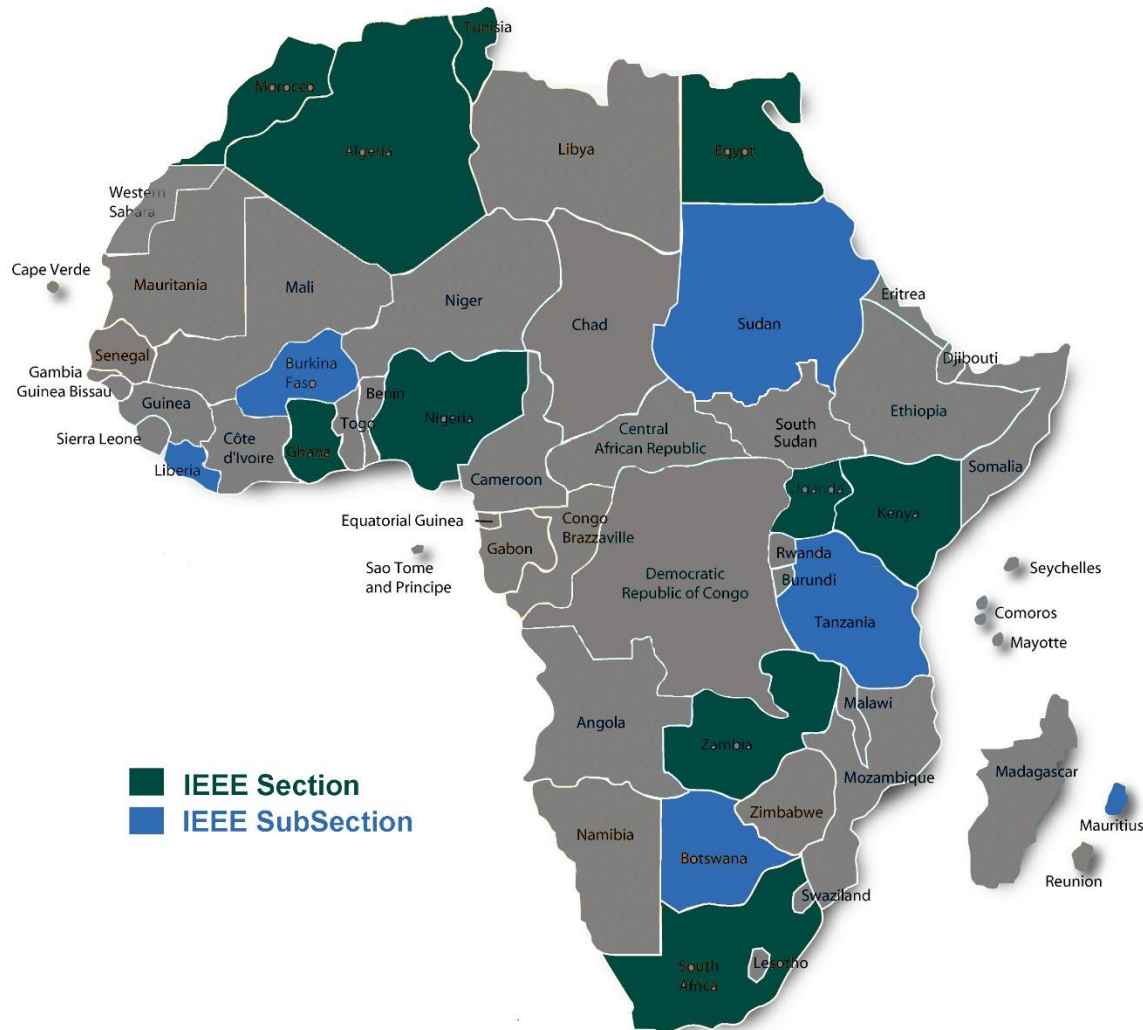
+ 6,000 members

► Sections:

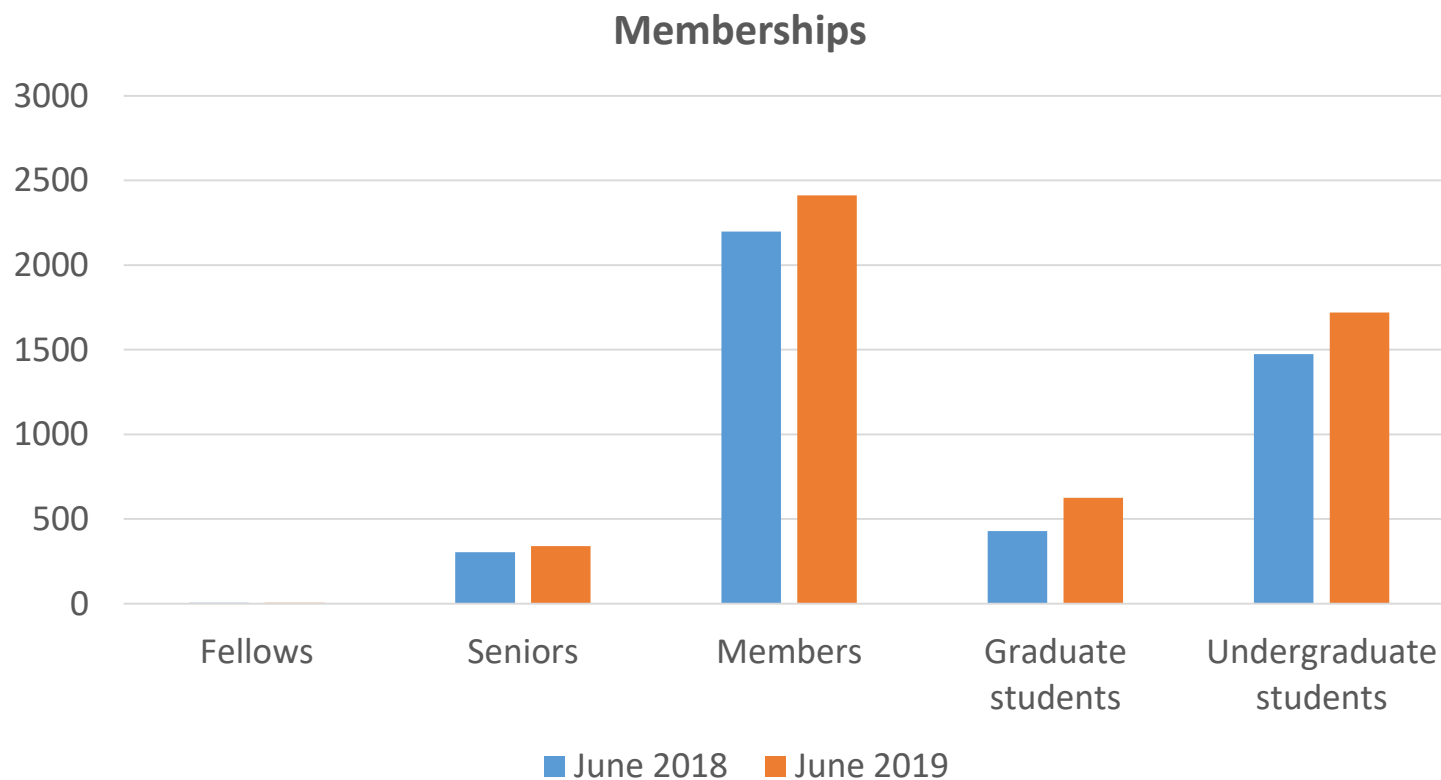
- Algeria (162)
- Ghana (195)
- Kenya (429)
- Mauritius (86)
- Morocco (362)
- Nigeria (863)
- South Africa (1,058)
- Tunisia (2,603)
- Uganda (182)
- Zambia (172)

► Subsections

- Sudan (129)
- Burkina Faso (32)
- Botswana (66)
- Liberia (76)*



Memberships

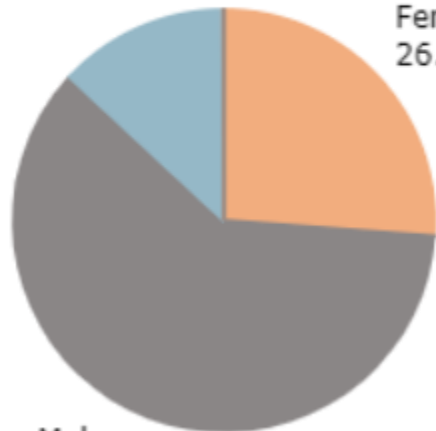


Memberships

Count by Gender

Prefer not to answer
0.02%

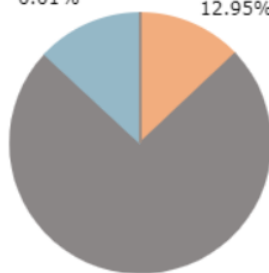
Female
26.18%



Male
60.74%

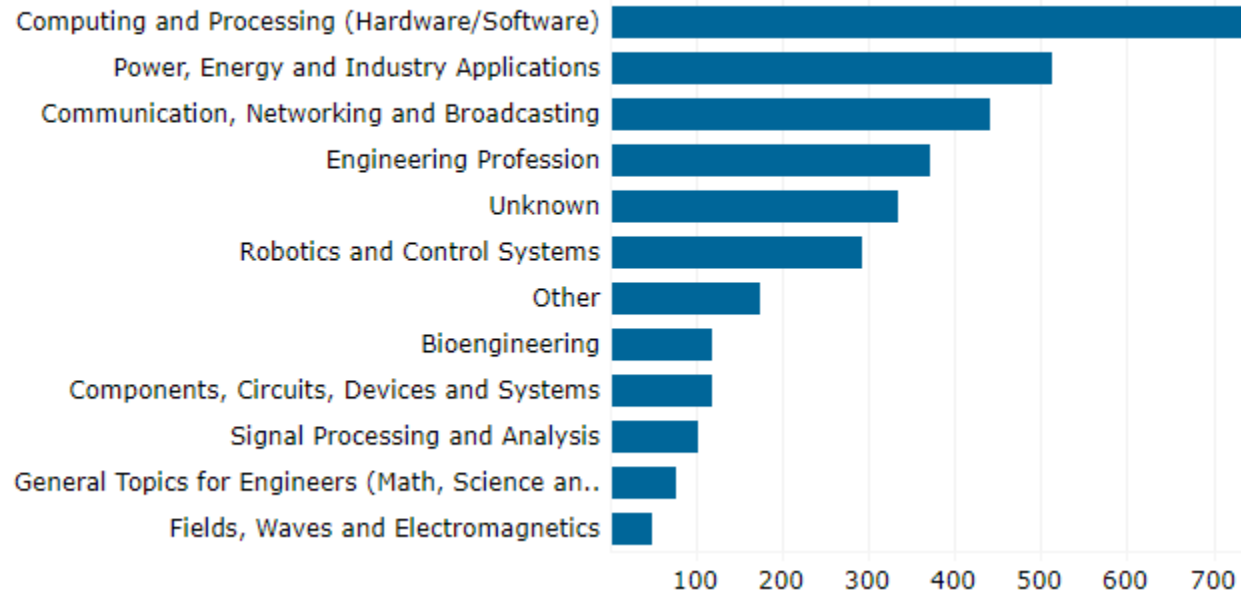
Prefer not to answer
0.01%

Female
12.95%



Male
74.00%

Count by Technology Focus Area



Committee



Gloria Chukwudebe
(Nigeria)
Chair

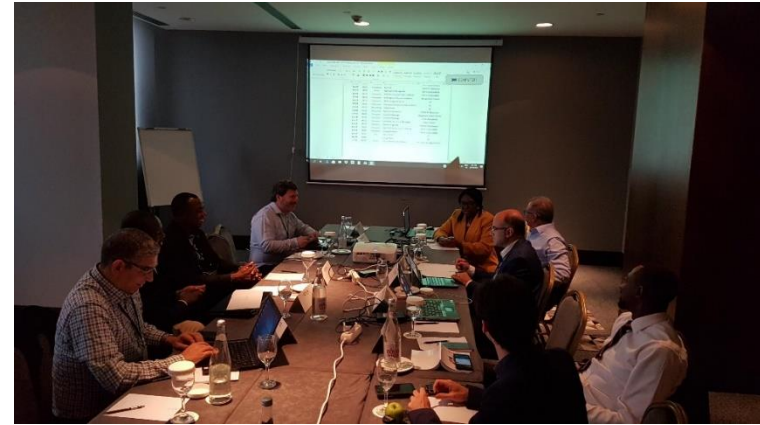


Habib M. KAMMOUN
(Tunisia)
Secretary



Shaun Kaplan
(South Africa)
Treasurer

4 Meetings



Smart Africa – Transform Africa Summit

14-17 May 2019, Rwanda



Smart Africa – Transform Africa Summit

14-17 May 2019, Rwanda



Distinguished Lecture Series

- ▶ Sudhir Dixit - 5G & Beyond systems Distinguished lecture
- ▶ Ken Sugiyama - Signal Processing, Technical Writing Distinguished lecture
- ▶ Ian McKechnie - Lightning Safety & Protection Distinguished lecture
- ▶ Venues:
 - Ghana
 - Kenya
 - Rwanda
 - Uganda

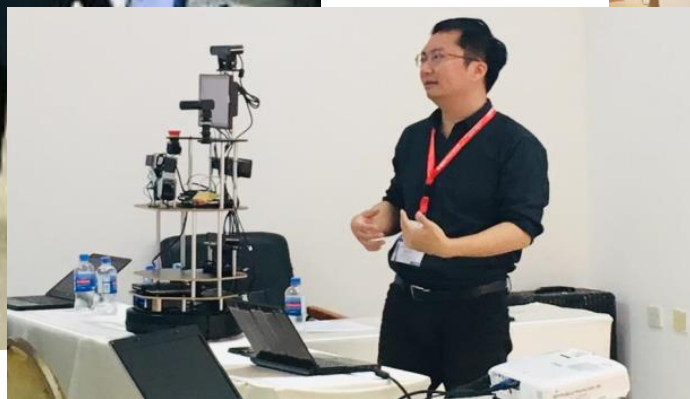


Virtual Events Program

- ▶ Renewable Energy Solutions
 - ▶ Convergence and Enterprise Data Management
 - ▶ Smart Grid
-
- ▶ 7 Nov. 2019: Cloud Computing

IEEE R8 AFRICON

25-27 September 2019, Ghana



IEEE Power Africa Conference

20-23 August 2019, Nigeria



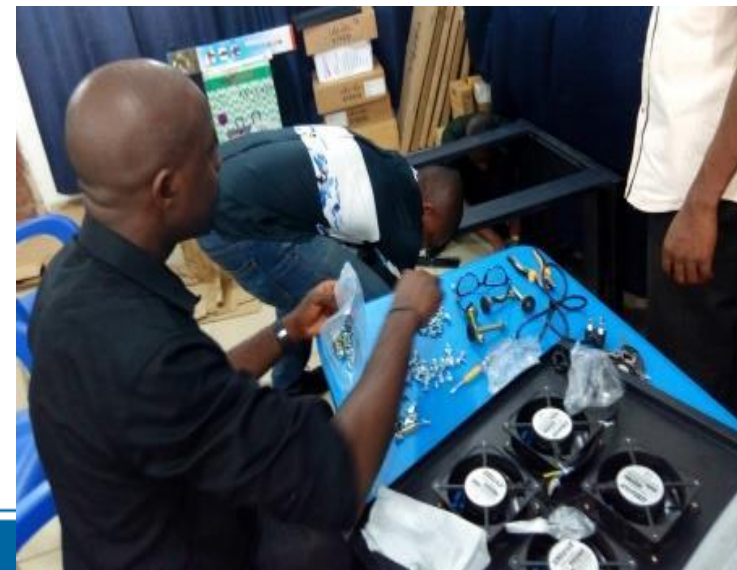
Action for Industry Ambassadors Workshop

27-28 August 2019, Kenya



Humanitarian Projects (HAC)

- ▶ Uganda: Installation of Solar (PV) Technology (10k usd)
- ▶ Tunisia: YouCo; Connect.Collaborate.Cocreate (Maker Space) (34k usd)



IEEE Day in Africa

Voting period: 16 – 25 Oct. 2019 !!!



South Africa



2018 Outstanding Section Membership
Recruitment and Retention Performance

South Africa Section



2017 Outstanding Section Membership
Recruitment and Retention Performance

South Africa Section



WiE Outreach South Africa

May 2019, Langa high School



Zambia

- ▶ Working Group on IEEE Continuing Education for Engineering Professionals in Africa

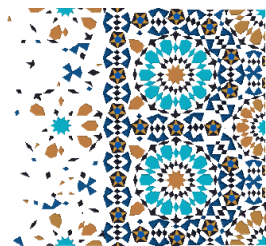


- ▶ Student Branch Meeting and Industry visit



Morocco

- 24-25 April 2019: IEEE Morocco Blockchain summit



**IEEE MOROCCO
BLOCKCHAIN
SUMMIT 2019**



Kenya

- Industry visit
- Distinguishged lecturers



Mauritius

- ▶ International Conference on Intelligent & Innovative Computing Application
- ▶ Next Generation Computing Applications Conference
- ▶ Students Competition



Tunisian SYP Congress

- ▶ 15-17 Dec. 2019: 7th IEEE Tunisian SYP Congress (TSYP) (about 1,000 participants)



2020 goals

- ▶ Organize IEEE booths in the main activities in Africa
 - Increase IEEE visibility
 - Increase the number of members
 - Create new IEEE sections / subsections
- ▶ Organize more IEEE activities in Africa
- ▶ Develop special IEEE benefits for African citizens
- ▶ Help IEEE units in Africa to become more active
- ▶ Help members in payment process
- ▶ Attract more volunteers

Future IEEE Conferences in Africa

We need your support!

► Tunisia

- 31 Oct. – 2 Nov. 2019: 19th Mediterranean Microwave Symposium (MMS)
- 9-11 March 2020: IEEE Mediterranean and Middle-East Geoscience and Remote Sensing Symposium (M2GARSS)
- 13-16 April 2020: 6th IEEE International Energy Conference (ENERGYCon)
- 22-24 June 2020: IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA 2020)

Future IEEE Conferences in Africa

We need your support!

► Kenya

- August 2020: IEEE PowerAfrica Conference

► Morocco

- 12-18 December 2020: 6th Congress on Information Science and Technology (CIST)

► Burkina Faso

- 4-6 February 2020: International Conference on Natural and Engineering Sciences for Sahel's Sustainable Development (IBASE)

► Mauritius

- 25-26 November 2020: Conference on Emerging Trends in Electrical, Electronic and Communications Engineering





Thank you!

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