

IEEE Sudan Sub-section Report October 2013**Dr. Sharief F. Babiker****Highlights from the past**

- IEEE Day 2011 & 2012:
Celebrated IEEE Day at the NTC Tower, attended by over 500 individuals. Included talks and technical workshops.
- IEEE Sudan Entrepreneurship Center Opening (27-4-2103):
The IEEE Sudan Entrepreneurship Center is the first entrepreneurship center in Sudan. This center is founded by a group of Sudanese entrepreneurs with the cooperation of the IEEE Sudan subsection to target students and graduates in the technology fields with the concept of entrepreneurship. The center will provide training, awareness sessions, mentorship and financial support. The center has established partnerships with major bodies in the field of entrepreneurship inside and outside the country and looking forward to expand their network with all stakeholders. Attended by over 300 IEEE members and non-members.
- IEEE Awareness events (June 2013)
Events, lectures etc held at the following universities: University of Khartoum, Sudan Univ of Science and Technology, Karary University, Eneilein University, Future University: to increase awareness and boost membership.
- MESBC Berieut, 2013
Two students representing UofK SB attended the MESBC meetings in Lebanon.
- Special Session - Jon "maddog" Hall - Benefits of Open-Source for Students - 16 May 2013 .
In collaboration with TEDxKhartoum . lecture held at Univ of Khartoum, Dept of Computer Science.
- IEEE Engineering to Excellence 1 (23-6-2012) :
IEEE Sudan Subsection and University of Khartoum Student Branch established a public workshop that provided a platform for a discussion between representatives of the educational institution " UofK" and speakers from the private and public sector, aiming to help bridge the gap between the educational institutes and the industry. Attended by over 500 engineers and students.
- IEEE Engineering to Excellence 2 (5-2-2013):
Second workshop. See above. Attended by over 500 engineers and students.
- How to write a paper 1(16-3-2013):
- IEEE Sudan Subsection held a session about how to write a paper in order to prepare students to participate in the IEEE Student paper contest SPC. The second session was held by the IEEE Sudan University Student Branch. Attendance of 50, limited spaces.
- How to write a paper 2 (30-3-2013):
Second lecture in the series
- IEEE Region 8 Student Paper Contest (SPC) 2013:
The IEEE Student Paper Contest offers the undergraduate IEEE Student Member opportunities to exercise and improve both written and verbal communication skills. Throughout an engineer's career, he/she will constantly be called upon to communicate ideas to others. Researching, writing, and presenting a paper provides a student with invaluable early experience in expressing ideas related to engineering and technology.
- IEEE Xtreme 5.0(20-10-2011) & 6.0 (20-10-2012):
Four (Three) teams were involved, two from the University of Khartoum University and one team from Sudan Univ of Science and technology. This event was very successful as the teams got good results and this has inspired many young students to contribute I future events.
- Student Entrance to the IEEE (March 2013)
SUST SB, workshop highlighting the importance of IEEE membership. Held at the NTC tower, attended by over 600 students and young professionals
- Medical Engineering Best paper Award (April 2013)
IEEE-Sudan SS provided technical support to the Sudanese Meddical Engineering Society by chairing the assessment panel. IEEE Sudan SS also delivered a lecture during the event titled "Towards a Research Culture in Sudan"
- International Conference on Computing, Electrical and Electronic Engineering
The largest event organized by IEEE-Sudan SS. Held during 26-28th August 3013. Attended by over 500 delegates. Co-sponsored by IEEE-Region-8, leading Sudanese universities. 138 papers accepted from 28 counties other than Sudan.
The conference attracted the attention and contribution of the Ministry of Science and Communication together with the National Telecom Corporation. The Minister of Science and Comms, together with the State Minster of Comms, the director of the National Telecom Corporation, University Chanclellors, Deans

of Engineering and Computer Science of a number of Sudanese Universities have attended the opening ceremony. Scholars from Region-8 and the USA have also attended the conference. The biggest success is the renewed interest in research and publications in IEEE conferences among researchers and postgraduate students who were unable in the past to contribute in international venues due to various economic reasons.

Future activities

1. IEEEExtreme
2. IEEDay
3. Conference again!
4. Already in progress, Student Branches to be formed three different universities.

Points of concern / Topics for future discussion

- The effect of the ongoing US embargo on Sudan and the direct effect on membership (it is not possible to pay membership fees from embargoed countries, Sudan included)
- Due to the above, our subsection can not get the membership rebates. This means Sudan Subsection has to struggle extremely hard to exist.
- We hope R-8 may do something to solve the above major concern.

Miscellaneous

- IEEE Sudan Subsection recognizes the following:
 - The support we received from the Ministry of Science and Communications. In particular the Minister Dr. Elsa Bashari
 - The Hunamitarian and Aid Commissioner for facilitating many of our efforts.
 - The contribution of the National Telecom Corporation, also the continued provision of the NTC theatres for various events.
 - The role played by the State Minster of Comms
 - The various Sudanese Universities that helped towards the success of the conference