

IEEE R8 Educational Activities Subcommittee (EASC)

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Pre-University Activities (Sohaib Qamar Sheikh, Coordinator)

- A new (Sub-)Sub-Committee called Pre-University Works was approved to increase and streamline activities in the region. The team will be responsible for promoting public relations (PR) support for pre-university activities being organized or planned and coordinate with global Pre-university Education Coordinating Committee (PECC), a *standing committee* of the IEEE Educational Activities Board (EAB). The committee includes Sohaib Qamar Sheikh (R8 Pre-University Activities Coordinator), Yasemin Baser (Turkey Section), Muhammad Mustafa (Jordan Section) and Joyce Mwangama (South Africa Section). They will be responsible for promoting activities in Europe, Middle East and Africa respectively, liaison with the Region 8 student activities committee (SAC) and support & empower pre-university activities all over the region

- **Teacher In-Service Program (TISP)**

A 2nd TISP presentation was organized in Tunisia on December 19, 2011. The activity was well received by the attendees.

A TISP presentation is being organized in Toulon, France on March 21, 2012 at Sud Toulon Var University by the members of the 2nd TISP workshop in Tunisia.

TISP workshops are being planned in Czech Republic/Slovakia and in Madrid, Spain during the R8 SBC in the last week of July, 2012. These events are financially and administratively facilitated by the IEEE Educational Activities division (EAD).

- **Engineering Projects In Community Service (EPICS)**


Ongoing discussion for an EPICS projects in Palestine, Belgium, Sweden and Cameroon.

An EPICS application for developing, producing and deploying lightening arrestors to curb lightning in Uganda has been submitted to the EPICS-in-IEEE committee.

Ongoing discussion with Intel Education (EMEA) for the development of a career preparation activity in the region.

EPICS-in-IEEE activities in Southern and Eastern Africa

Country	Project Title	Project leader or co-leader	Approved Grant	University/ Academic Institution
Namibia	Mobile Science lab for High School in Rural Area	Prof. Zacchaeus Oyedokun	US \$ 5,625	Polytechnic of Namibia
South Africa	Photovoltaic Powered study lamp incorporating an AM/FM radio and mobile phone charger	Dr Edward Chikuni	US \$ 5,000	University of KwaZulu Natal (UKZN)
Uganda	Kyambogo University And Agha Khan Poverty Reduction And Enviromental Conservation Through Solar Powered Solutions	Lwanga Herbert	US \$ 5,000	Kyambogo University (KYU)
Zambia	Digital Teaching Units	Dr Hastings Ma Libati	US \$ 4,935	Copperbelt University (CBU)
Zambia	OpenBTS (Open Base Transceiver Station) implementation in Chikankata	Mpaisha Phiri	US \$ 5,000	University of Zambia (UNZA)

		The 98 th IEEE Region 8 Committee Meeting		Berlin, Germany 31 March-01 April 2012
South Africa	Air-quality microsensors for Earth Observations	Johan Venter	US \$ 9,300	University of Pretoria (UP)

Advertise activities in the region

The webinar series has been planned to advertise Pre-University activities. The first planned webinar was on 1st March, 2012 and will be given by Liz Burd (Chair, PECC).

Four more webinars will be held as per the following schedule:

- TISP - April 2012
- EPICS-in-IEEE - June 2012
- Education Portals - August 2012
- Humanitarian Activities - October 2012
- TBA -December 2012

Partner with other IEEE pre-university programmes, including mentoring programmes such as IEEE Student-Teacher and Research Engineer/Scientist (STAR). STAR developed within EAB due to historical reasons, however as of 2012, WiE is now part of the member and geographic activities (MGA) board. The activity may be coordinated irrespective of its administrative position within IEEE.

Appointments to higher level committees: as per a proposal by the pre-university coordinator in Dec. 2011, Maciej Borówka, Kraków, Poland has been nominated to serve on the global *EPICS-in-IEEE* committee.

- **TryEngineering** (www.tryengineering.org)

TryEngineering was translated to seven languages. Last year, it's translation in Arabic was initiated with Saudi Aramco. IEEE Saudi East section and EAB providing support. The translation has been completed and it was launched Feb.17, 2012.

Continuing Education (CE) (Niovi Pavlidou, Coordinator)

- A webinar on the IEEE's Continuing Education (CE) - Technical English Programme (TEP) was organized on 10 January 2012. The organizing team was comprised by Saurabh Sinha, IEEE Region 8 Vice-Chair: Technical Activities, Steve Welch, Director of CE, Educational Activities Division (EAD), Niovi Pavlidou, IEEE R8 Lead Volunteer for CE (Educational Activities Subcommittee (EASC)), and Burt Dicht, Director of University Programs, Educational Activities Division (EAD).
- The web-based seminar was offered to relevant officers in Region 8: Section Chairs, Chapter Chairs, Region 8 EA officers, the Chapters Coordination Subcommittee (ChCSC) and several interested (invited) members in the Region. The duration of the webinar was one hour, the lectures and discussion slots as a whole. The slides, supported by the recording of the webinar, are available from the IEEE Region 8 (Technical activities, Educational activities) website.
- The event was organized on WebEx facilities and the attendance has been improved in relation to the last CE event (a general online Blackboard discussion on CE). Based on the obtained experience some new proposals for future events are now being considered.

- Further, a sub sub-committee on Continuing Education R8 has been established with the participation of Dr. George Papadopoulos to boost the CE activities in Region 8. As a first initiative a webinar on Electric Vehicles is considered in the near future.

Accreditation Activities (Bakr Hassan, Coordinator)

- The Gulf Accreditation Sub-Committee held number of teleconference meetings discussing the proposal for establishing a GCCC Accrediting Organization for Engineering, Computing & Technology. A workshop is planned on March 29, 2012 in Berlin to discuss this proposal. Several key people from the accrediting agencies in the Gulf were invited as well as the UNESCO representative in the Middle East and several IEEE volunteers from EAB and R8. Staff supported from EAD is also notable.
- Accreditation works moves forward in the Southern/Eastern African area.

EAB Awards

- In conjunction with the Educational Activities Board - Awards & Recognition Committee (EAB-ARC), Region 8 Educational Activities Subcommittee (EASC) held a webinar on 10 Jan. 2012 to introduce the EAB Awards. The guest Speakers were SK Ramesh, 2011-2012 Chair of EAB-ARC & C. Solimine, Senior Administrator: EAB and Committee Operations.
- Lanyards, together with the upcoming edition of Region 8 news, will be used to further promote the EAB awards (www.ieee.org/eab-awards) for 2012 (deadline: 30 Apr. 2012).