**R8 Education Activities Subcommittee (EASC) Report 2012**

EASC activities are divided into three areas. The areas are Pre-University Activities, Continuing Education Activities and Accreditation Activities. The detailed accomplished and planned activities for the 2012 are detailed below.

**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

* Humanitarian Activities - October 2012

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| --- | --- | --- | --- | --- |
| **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) |
| 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](http://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 was conducted on March 29, 2012 in Berlin to discuss the draft proposal. The workshop was attended by key people from the accrediting agencies in the Gulf attended as well as several IEEE volunteers from EAB and R8. More teleconference meetings ate planned to finalize the proposal. Further meetings are planned with NCAAA in Saudi Arabia and other accrediting agencies from the Gulf.

* Accreditation works moves forward in the Southern/Eastern African area.