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1 General

1.1 Officers

- Chair: Elias Nassar  eliasnassar@ieee.org
- Past Chair: Eva Lang  eva.lang@ieee.org
- Student Representative: Jorge Soares  jorge.soares@ieee.org
- Awards & Contests: Jef Beerten  jef.beerten@ieee.org
- Student Branches: Muhammad Mustafa  mu.kh.mustafa@ieee.org
- Student Paper Contest: Djordje Paunovic  g.paunovic@ieee.org
- Web Activities: Hossam Fahmy  hosam.fahmy@ieee.org

1.2 Goals and Objectives

- Create more student membership benefits at all IEEE levels
- Develop student activities (including contests, awards and promotion programs)
- Foster Student Members’ awareness of IEEE activities and existing benefits
- Support students’ initiatives and inform other IEEE organizational units about them
- Represent student interests and voice student concerns
- Help with the formation of new Student Branches, Chapters, and Affinity Groups
- Help with communication between existing Branches, Chapters, and Affinity Groups
- Increase student membership and develop retention strategies
- Reach out to pre-university students
- Liaise with other IEEE committees such as GOLD, PA, EASC, WIE, etc.
- Bring more fun to IEEE!

1.3 Membership

As of Nov 30, 2010
Almost 30% of Region 8 membership is Student or Graduate Student Member.

Note that more than 60 SBs do not have a recorded Chair in the SAMIEEE database and are therefore not reachable by the R8SAC team!

1.4 New Student Branches and Student Branch Affinity Groups in 2010
(Please check the R8 SAC Website for the latest information on new Student Branches)

1.4.1 New Student Branches

- IEEE Hariri Canadian University Student Branch, Lebanon Section
- IEEE University of Montenegro Student Branch, Serbia and Montenegro Section
- IEEE University of Western Macedonia Student Branch, Greece Section
- IEEE Yanbu Industrial College Student Branch, Western Saudi Arabia Section
- IEEE TEI of Create - Tech Educational Inst of Crete Student Branch, Greece Section
- IEEE European University Of Lefke Student Branch, Turkey Section
- IEEE Akdeniz University Student Branch, Turkey Section
- IEEE Rheinische Friedrich-Wilhelms-Universitat Bonn Student Branch, Germany Section
- IEEE Universita della Svizzera Italiana Student Branch, Switzerland Section

1.4.2 New Student Branch Chapters

- IEEE Institute for Radiophysics & Electronics of Nasu Photonics Society Student Branch Chapter, Ukraine Section
- IEEE Institute for Radiophysics & Electronics of Nasu Antennas and Propagation Society Student Branch Chapter, Ukraine Section
- IEEE Institute for Radiophysics & Electronics of Nasu Solid-State Circuits Society Student Branch Chapter, Ukraine Section
- IEEE Institute for Radiophysics & Electronics of Nasu Dielectrics & Electrical Insulation Society Student Branch Chapter, Ukraine Section
- IEEE University of Cape Town Power & Energy Society Student Branch Chapter, South Africa Section
- IEEE Institute for Radiophysics & Electronics of Nasu Magnetics Society Student Branch Chapter, Ukraine Section
1.4.3 New Women in Engineering Student Branch Affinity Groups

- IEEE Hashemite University Women in Engineering Student Branch Affinity Group, Jordan Section

2 Awards and Contests

Recognizing volunteers is a very good way to keep them involved and active. There are various awards on Region and global level available.

We ask the Section Chairs to nominate potential candidates and bring their names forward to the R8SAC.

2.1 General Awards for Active IEEE Student Members

2.1.1 IEEE Student Enterprise Award

The IEEE Student Enterprise Award, with funding from corporate partners and individuals, was created by the IEEE to support Student Branch projects. Up to US$ 1,500 in funding is available for project proposals developed by teams of IEEE Student Members from Student Branches established at over 1,400 universities and colleges around the world.

Deadline for the 2010 award: 15 November 2010.

2.1.2 IEEE MGA Larry K. Wilson Regional Student Activities Award

The purpose of this award is to recognize annually, in each Region of the IEEE, the student most responsible for an extraordinary accomplishment associated with IEEE student activities. The value of a pattern of dedicated, ongoing service to a branch is certainly recognized. This award is designed to reward a particular event or product of IEEE activities.

The 2010 award goes to C. Serkan Baydin from Turkey Section.


2.1.3 IEEE Presidents’ Change the World Competition
The award recognizes students who develop unique solutions to real-world problems using engineering, science, computing and leadership skills to benefit their community or humanity.

The IEEE Student Humanitarian Supreme Prize (US$ 10,000) went to e.quinox and the team at Imperial College London. The winners were honored during the official 2010 IEEE Honors Ceremony (http://www.ieeechangetheworld.org/submission/finalists.html).


2.2 Student Branch Awards

2.2.1 IEEE Regional Exemplary Student Branch Award

This award recognizes annually the exemplary IEEE Student Branch operations in each region without any numerical limit. To qualify for the award, a branch must conform to IEEE Bylaws, have an active program and support IEEE goals.

The 2010 award winners within Region 8 are
- AUB (Lebanon)
- ENIS (Tunisia)
- PSUT (Jordan)
- METU (Turkey)
- Yildiz Technical University (Turkey)
- Gent (Benelux)
- QMUL (UKRI)
- Alexandria University (Egypt)
- Cairo University (Egypt)

One branch per Region enters the global competition. However, no results have been published until now. Deadline: 15 April 2011.

2.2.2 Outstanding Branch Counselor and Advisor Recognition Programme

Aware of the unusual and dedicated efforts of Student Branch Counselors and Branch Chapter Advisors, the MGA and TA Boards sponsor a cash award to each of approximately ten outstanding Counselors and Advisors throughout the world. Winners will be those individuals who, through their work as Counselors and Advisors, exemplify the Institute's commitment to the educational, personal, professional, and technical development of students in IEEE related fields of interest.

In 2010 one of these 10 global awards goes to
- Prof. Dr. Joos Vanderwalle, Student Branch Leuven, Benelux
2.2.3 IEEE Darrel Chong Student Activity Award

This award serves to change the mind set of our student groups from being number-driven to become value-driven and acknowledge exemplary student activities around the world. The eventual goal is to improve the quality of the activities and foster knowledge sharing among students. Ultimately, the initiative is targeted at improving student membership growth. This will encourage and motivate students to continue to innovate and implement meaningful ideas.

Submissions are welcome throughout the entire year; decisions are made once a year during the MGA SC meeting. Activities submitted after 16 November will be judged the following year.

In 2010, the IEEE Princess Sumaya University for Technology Student Branch, Jordan received a Bronze award.

Deadline: ongoing

2.2.4 MGA Student Branch Membership Growth Award

Each year a Student Branch in each region is recognized as having achieved the highest rate of growth. The greatest level of growth is based on a composite rating, considering the highest increase in membership and highest increase in new elections relative to other Student Branches in each Region.

2.3 Contests

2.3.1 IEEE Region 8 Student Paper Contest 2011

Once each year, each Student Branch may hold and organize a local Student Paper Contest under its own responsibility. The winner(s) of each Branch Contest may compete for the Region 8 Contest, held within the Region limits. SPC is a traditional, long lasting student activity in Region 8. SPC was and is an important student, academic and technical activity, important for IEEE in many aspects.

SPC 2011 was announced immediately after the end of the 2010 Contest. The deadline for the 2011 IEEE Region 8 Student Paper Contest was December 15 2010. The oral finals will take place on April 27 2011, as the part of IEEE Region 8 International Conference EUROCON 2011, April 27-29 2011, Lisbon, Portugal.

The SPC 2011 international jury
Region 8 Committee Meeting
Region 8 Student Activities Committee
London, UK
March 26-27, 2011

- Prof. George Paunovic, Serbia – Chair, g.paunovic@ieee.org
- Prof. Carlos Lopez-Barrio, Spain, barrio@die.upm.es
- Prof. Andrzej Pacut, Poland, a.pacut@ia.pw.edu.pl
- Prof. Ali El-Mousa, Jordan, elmousa@ju.edu.jo
- Prof. Manuel de Medeiros Silva, Portugal, manuel.medeiros.silva@gmail.com

was appointed to select five papers for the oral finals and to decide about the three winners.

Within the SPC 2011 campaign the following activities were realized:
- Beginning July a SPC 2011 call with essential SPC data and SPC rules was sent to all R8 Student Branch (SB) chairs by email.
- The same email was also sent to all SB counselors.
- SPC information is placed as a direct link at R8 SAC page (http://www.r8sac.org/index.php/spc).
- A short SPC presentation was made during the plenary session at Student Branch Congress SBC 2010 in Leuven.
- Different versions of the SPC call were sent to SB chairs and counselors three more times.
- All Region 8 IEEE student members got two times emails with information about various students’ activities, SPC being one of them.
- A full paper about SPC is published on the front page in Region 8 News September issue.
- Section chairs and Section students’ representatives/student activities officers obtained two times the basic information about SPC, asking them to support and co-organize SPC activities. It was specially emphasized to connect when possible local SPC contests with IEEE R8 Sections and Chapters conferences.
- Many other single activities were realized in order to make SPC 2011 more successful.

32 papers were submitted, 29 accepted and graded before the deadline December 15, 2010. This year contestants were from 17 Sections and 22 Student Branches/Institutions:
- Katholieke Universiteit Leuven SB, Benelux Section
- Université Catholique de Louvain SB, Louvain-la-neuve, Benelux Section
- University of the Witwatersrand SB, Johannesburg, South Africa Section
- University of Cape Town SB, South Africa Section
- School of Electrical and Computer Engineering SB, University of Tehran, Iran Section
- Karlsruhe Institute of Technology SB, Germany Section
- National School of Engineers of Sfax (ENIS) SB, Tunisia Section
- Queen Mary University of London SB, UKRI Section
- University of Maribor, University of Ljubljana SB, Slovenia Section
- Polytechnic University of Bucharest, Romania Section
- Graz University of Technology SB, Austria Section
- Democritus University of Thrace SB, Greece Section
- University of Patras SB, Greece Section
- Cairo University, Faculty of Engineering SB, Egypt Section
- Belarusian State University SB, Belarus Section
- American University of Sharjah SB, United Arab Emirates Section
- Manipal University Dubai SB, United Arab Emirates Section
- The Petroleum Institute SB, Abu Dhaby, United Arab Emirates Section
During the IEEE Region 8 Student Paper Contest 2011 the International Jury anonymously graded all accepted papers. Within that phase, the contributions were graded as follows:

- **Written paper:**
  - 45 points maximum for the technical and engineering content,
  - 24 points maximum for the paper content presentation.
- **Oral presentation:**
  - 30 points maximum could be additionally given to selected finalists.

The Jury of the IEEE Region 8 Student Paper Contest 2011 has selected the following five papers (in alphabetical order of the first author’s first name) for the oral finals:

- Hossein Hajimirsadeghi: “Conceptual Imitation Learning Based on Functional Effects of Action”, School of Electrical and Computer Engineering SB, University of Tehran, Iran Section.
- Jaymin Mankowitz, Andrew Paverd: “Mobile Device-Based Cellular Network Coverage Analysis Using Crowd Sourcing”, University of the Witwatersrand SB, Johannesburg, South Africa Section.
- Ralph Tanbourgi: “Resolving the Connectivity-Throughput trade-off in Random Networks”, Karlsruhe Institute of Technology SB, Germany Section

### 2.3.2 IEEE Xtrene 24 hour Programming Challenge

This 24-hour programming contest has proven to be a good instrument for membership drive and member satisfaction. In 2010, 188 teams from Region 8 participated, 15 of them ranked in the top 25!

The 2011 Contest will be held in October 2011. More information is available at [http://ieeextrene.org/xtreme](http://ieeextrene.org/xtreme)

### 2.3.3 IEEE Student Branch Web Site Contest
With 16 participating student branches around our region, the IEEE Website Contest 2010 was again a big event. As a result of the regional evaluations, the following student branch websites made it into the top 5:

- 1st Cairo University IEEE Student Branch (Egypt)
- 2nd Alexandria University IEEE Student Branch (Egypt)
- 3rd Instituto Superior Técnico IEEE Student Branch (Portugal)
- 4th ENIS IEEE Student Branch (Tunisia)
- 5th/6th (Tied): Koc IEEE Student Branch (Turkey) and University of Ibadan IEEE Student Branch (Nigeria)

The first two websites will also take part in the global contest. Results are yet to be announced. Next deadline: 15 April 2011

### 2.3.4 IEEE Region 8 Student Promotional Multimedia Contest

The goal of the contest is to generate student promotional material for IEEE. The videos display content about IEEE benefits seen by the students, not only products and services but also the impact that IEEE made in their communities, life as engineering students and the world in general.

The videos were shown during the SBC 2010, and voted by the attendees. Three prizes were given: US$ 500 for 1st place, US$ 250 for 2nd place, and US$ 125 for 3rd place.

The winners of this edition were:

- Mostafa Akin, Bilkent University Student Branch (Turkey)
- American University of Sharjah Student Branch (United Arab Emirates)
- Dawood Fadel, Cairo University Student Branch (Egypt)

### 2.3.5 IEEE Region 8 Ethics Competition

The IEEE Ethics and Member Conduct Committee (EMCC) wants to raise the ethics awareness of IEEE members while they are still in school. To this end, the committee is launching the IEEE Student Ethics Competition, which is designed to provide student members with experience in applying ethical concepts to situations that might arise in the workplace. The competition also wants to increase the visibility of the IEEE Code of Ethics.

During SBC 2010, one of the workshops focused on “How to run a Student Ethics Competition”. Due to limited attendance at the workshop, only certificates will be given out. Note that there is prize money available for Student Branches running an Ethics competition. Further information can be found at [http://www.ieee.org/about/ethics/competition.html](http://www.ieee.org/about/ethics/competition.html).

### 3 Coordinating Student Branches
3.1 Twin Student Branch Program

The Twin Branch Program was established in April 2009, and has been active ever since. We maintain a page on the R8 Student Activities Committee website, where we list branch requests. Registered student branches can then agree to become twins. The relationship between twin branches are free-form, but branches are expected to be in touch, exchange information concerning their activities and difficulties, as well as any supporting documents and ideas that may help their operations. Most twins also organise joint activities, e.g. talks on the premises of both branches, using video-conference links or joint contests.

In this way, the program helps promote activity among the branches in the Region and jump-start recently established branches, while also increasing enthusiasm and creating interpersonal links between distant and otherwise unlikely partners.

The program has attracted considerable interest. We get questions about it at every meeting, and frequently through email. On several MGA SAC meetings, we have also been approached by representatives from other regions. However, the program suffers from lack of funding, which prevents it from realising its full potential.

Aiming to take the program to the next phase, we are in the process of preparing a New Activities Committee Seed Grant Proposal, which we'll submit over the coming weeks. If approved, this will allows us to financially sponsor twin activities, and, especially, inter-twin volunteer exchange to organise such activities.

So far 19 Student Branches coming from 13 Sections have registered for this program. We believe this number will be highly increased during the upcoming months and after starting the next phase of the program, since it will give Student Branches twin the ability to meet face to face and agree on a partnership than remotely.

3.2 Student Activities at Section level

During the April 2009 Region 8 meeting in Venice, and followed by the May 2010 Region8 meeting, we encouraged the Section Chairs to nominate a Section Student Representative (SSR) and a Student Activities Chair (SAC), we have decide to clarify and redefine the role and responsibilities of the SSR for the benefits of Student Branches, Sections and SSRs themselves. We have been working on this project with a few SSRs in Region 8. Database of SSRs and SACs are still not complete, we have been encouraging all Sections officers to provide us with their SSRs and SACs. This program is still ongoing work and our results will be published in our next reports.

IEEE Center for Leadership Excellence (CLE) training modules are now available for the Section Student Representative (SSR) and the Section Student Activities Chair (SSAC). Both can be found at http://ieee-elearning.org/outreach/course/view.php?id=82.
3.3 Communication

3.3.1 Web Activities
We have continued improving our online presence since we last reported in May. Here are some of the updates:

- Users can now subscribe to our posts by email, in addition to using our RSS, Twitter or Facebook feeds.
- The long-planned Wiki is finally online, although access is, in this phase, still limited to SAC members.
- We have replaced our site search system with Google Custom Search, enabling visitors to easily find the information they are looking for.
- New online cooperation tools are available to SAC members, using Google Apps for Domains.
- We completed the migration of the website to a new domain: www.r8sac.org
- We have started hosting public monthly chat sessions, each having a different topic and different guests. The first two focused on the SBC 2010, and on the latest one we discussed the IEEE Day. Member response to these sessions has been very positive. We have now deployed a new chat system, that will be used for the coming sessions.

Here is some up-to-date statistical data on our web presence:

- Since last February, our website had over 31000 pageviews.
- Our Facebook page is now approaching 800 fans, and steadily increasing.
- Our Twitter feed is now followed by 108 people.

3.3.2 Emailing
The SAC team sends out bi-monthly email newsletters to all students and graduate students in Region 8. The newsletters contain announcements on upcoming deadlines, programs and awards as well as any news and benefits relevant to the target audience.

3.3.3 Cookbook series R8 News articles on Student Branch Management
We have decided to write a series of articles for Student Branch officers in the Region 8 News (one per issue). We called it “Student Branch Cookbook” and it focuses on practical and useful tips for student branch officers. The first article of this series was published in the November 2009 issue of the Region 8 News on Student Branch fund-raising. The second article was part of the December 2010 issue and focused on Student Branch Chapters.
4 Ongoing Programs and Activities

4.1 Membership campaigns

Since September/October (which is also the start of the academic year) is the best time of the year to join the IEEE, R8 SAC and participating Student Branches continue to organize membership campaigns in these months. In December/January our focus changes to retention. In April/June, joining as a Student Member for the second half of the year is beneficial, which is something that Student Branches can use in their membership campaigns.

A reminder for Arrears was sent in February 2011. A large number of responses was received which were helpful in assessing why students do not sometimes renew their membership.

4.2 Student Branch support

R8 SAC supports its Student Branches with seed money for their major activities. This is a successful program with increasingly more requests than we can handle. Only those activities may qualify for financial support, in which more than one Student Branch is involved and/or from which more than one Student Branch will benefit. R8 SAC expects the Section to support the activity with at least the same amount of money.

4.3 Section’s welcome to graduating Student Members

Section Chairs are invited to welcome recent graduates into the Section as voting members and possible new volunteers. We strongly believe that such a personal contact at the Section level is very important for retention.

A program piloted in Region 8 is now a joint SAC-GOLD initiative called STEP (Student Transition and Elevation Partnership). STEP events are organised with funding from GOLD, and are attended by recent graduates, who can hear talks of interest for their professional feature and also learn more about post-student IEEE life and their GOLD AG and Section. See www.ieee.org/step for further information.

4.4 Student professional activities

Student Professional Awareness Conference/Venture (SPAC/SPAV) support funds are available from the global SPAA Committee. SBs can apply to get funding for events.

Workshops on Leadership skills and Project management are successfully organized throughout the Region, and are attended by many IEEE Student Members.
4.5 Travel grants for students at IEEE technical conferences

The Region 8 Voluntary Contribution Fund is not just intended for members, the fund helps also needy students to attend technical conferences (limit $1000 per person in a lifetime).

Students attending technical events or conferences may receive a travel grant to the conference. In 2010 six students received funding (total of $4500) to travel to conferences and four so far in 2011 received such fun.

4.6 Counselor support program

Section Chairs are requested to remind their Student Activities Coordinators and Student Representatives to remind each student branch to ensure that every SB in a given section benefits from the guidance of SB Counsellor, and helps us to keep our Counsellor list updated.

Section Chairs are requested to take note of the Counsellor programme Website: www.ieee.org/r8sac -- click on "Counsellor Programme"

4.7 EPICS High

Educational Activities is developing the Engineering Projects in Community Service (EPICS) program in IEEE. Conceived and championed by IEEE 2007 President Leah Jamieson, **EPICS is a program that organizes university and high-school students** to work on engineering-related projects for local area humanitarian organizations.

Region 8 Sections already involved in EPICS projects are
- South Africa Section
- Nigeria Section

4.8 Teacher In-Service Program (TISP)

The **Teacher In-Service Program (TISP)** enables IEEE Volunteers to share their technical expertise and demonstrate the application of engineering concepts to support the teaching and learning of science, mathematics, and technology disciplines. **IEEE offers training workshops for its members** on how to facilitate in-service programs for local teachers to help them introduce hands-on engineering lessons to their students. **These lesson plans are aligned with education standards** and can easily be used in the classroom.
In 2011, UK&RI Section as well as Saudi Arabia Section will be hosting TISP events.

5 Student Activities on Section and Cross-Section level

Sectional student branch congresses should also be supported by the section. These events add a motivation plus to branches and highly prepared volunteers which can increase not only the number of student events in your sections, but also the membership. In addition, it is suggested the section officers attend the event or some part of them, and use it as a look-up for future section volunteers. Regional SAC will only fund this events if and only if the section also provides some funding.

5.1 Technical Conferences

5.1.1 Student Booth in Technical Conferences in Region 8

But not the big ones like EUROCON or IMS, where a student booth usually exists. We need to have these also in little conferences 100-200 people that take place in R8 and are typically R8 wide. This gives also the opportunity of the SB at the venue (if any) to show off a little. Many Graduate Students attend these events who are not yet IEEE members. In addition, students can help in the organization of these events as they have the necessary experience and skills.

5.2 2011 SBCs

5.2.1 2nd Iberian Student Branch Congress (ISBC 2011)

The ISBC 2011 will take place in Madrid, Spain, on March 11-13, and be hosted by the ETSIT UPM Student Branch. It will again bring together representatives from active student branches in Portugal and Spain, as well as other interested IEEE members from the Region, who will get together to share experiences, develop new skills, socialize, interact with the industry and discuss prominent issues of the various areas of engineering and management.

5.2.2 2nd Middle East Student Branch Congress (ME-SBC 2011)

The ME-SBC 2011 will take place in Doha, Qatar, on March 14-18, and be hosted by the Texas A&M University at Qatar Student Branch. An attendance of over 150 volunteers is expected, coming from more than 12 sections in the Middle East region. The aim is to initiate and provide
opportunities for authentic learning, career enhancement and exhibition opportunities in the engineering sciences, research and other areas of technology.

5.2.3 1st Central European Student Branch Congress

While still at a early planning stage, the first Central European SBC will take place this summer, and be hosted by the JKU Linz Student Branch, Linz, Austria. It’s geographic focus will be the student branches in a 250-km radius from Linz, although the range may be extended depending on the number of registrations and local capacity.

5.2.3 SBC 2012

While there is no R8 SBC in 2011, we’re launching the call for venue proposals for the SBC 2012, with a decision to be announced by the end of this summer.

5.3 Cross-committee work

This year the SAC is initiating cross-committee collaborations in order to enhance student activities and support in Region 8. The following SAC members will be liaising and coordinating activities with the indicated Region 8 bodies:

Eva Lang: Liaison to Educational Activities for Pre-university activities
Jorge Soares: Liaison to GOLD
Muhamad Mustapha: Liaison to Technical Activities for Student Chapter issues
Jef Beerten: Liaison to Professional Activities to enhance student Professional Activities.