

IEEE REGION 10  
EXCOMM MEETING

*Tampa (17<sup>th</sup> October 2005)*

**R10 SAC REPORT  
2005**

*(Student Activities)*

Prof. Marzuki Khalid<sup>®</sup>

Student Activities Chair

Kazuyuki Sudoh

Region Student Representative

## *Region 10 SAC Committee (2005)*

◆ Marzuki Khalid: RSAC



◆ Kazuyuki Sudoh: RSR

◆ Renate Sitte: Queensland, Australia



◆ Mini S. Thomas: India

◆ Tuptim Angkaew: Thailand



◆ Yong J. Park: Seoul, Korea

◆ H.P. Khincha: India



◆ Norman Mariun: Malaysia

# *Region 10 SBs in Terms of Numbers*

(As of 31<sup>st</sup> August 2005)

BOMBAY	
INT'L INST OF INFORMATION TECH – PUNE	410
THADOMAL SHAHANI ENG COLLEGE	337
VISHWAKARMA INST OF TECHNOLOGY (WIE)	166
PUNE INSTITUTE OF COMPUTER TECH	316
MADRAS	
CRESCENT ENGRG COLLEGE	238
AUSTRALIA	
UNIVERSITY OF NEW SOUTH WALES	235
KOREA SEOUL	
KOREA ADVANCED INST OF SCIENCE & TECH	195
SEOUL NATIONAL UNIV	192
SINGAPORE	
NANYANG TECHNOLOGICAL UNIVERSITY	229
TAIWAN	
NATIONAL TAIWAN UNIVERSITY	212
MALAYSIA	
UNIVERSITI TEKNOLOGI MALAYSIA	163

# **LARGE SBs IN R10**

*(as of 28<sup>th</sup> Feb 2005)*

<b>SECTION</b>	<b>COUNTRY</b>	<b>NO. OF SBs</b>	<b>NO. OF STUDENT MEMBERS</b>
Bombay	INDIA	71	2147
Madras	INDIA	93	972
Hyderabad	INDIA	31	933
Delhi	INDIA	15	636
Kerala	INDIA	20	630
Bangalore	INDIA	28	606
Seoul	KOREA	10	597
Singapore	SPORE	2	410
Taipei	TAIWAN	2	339

## *Student Memberships In Region 10*

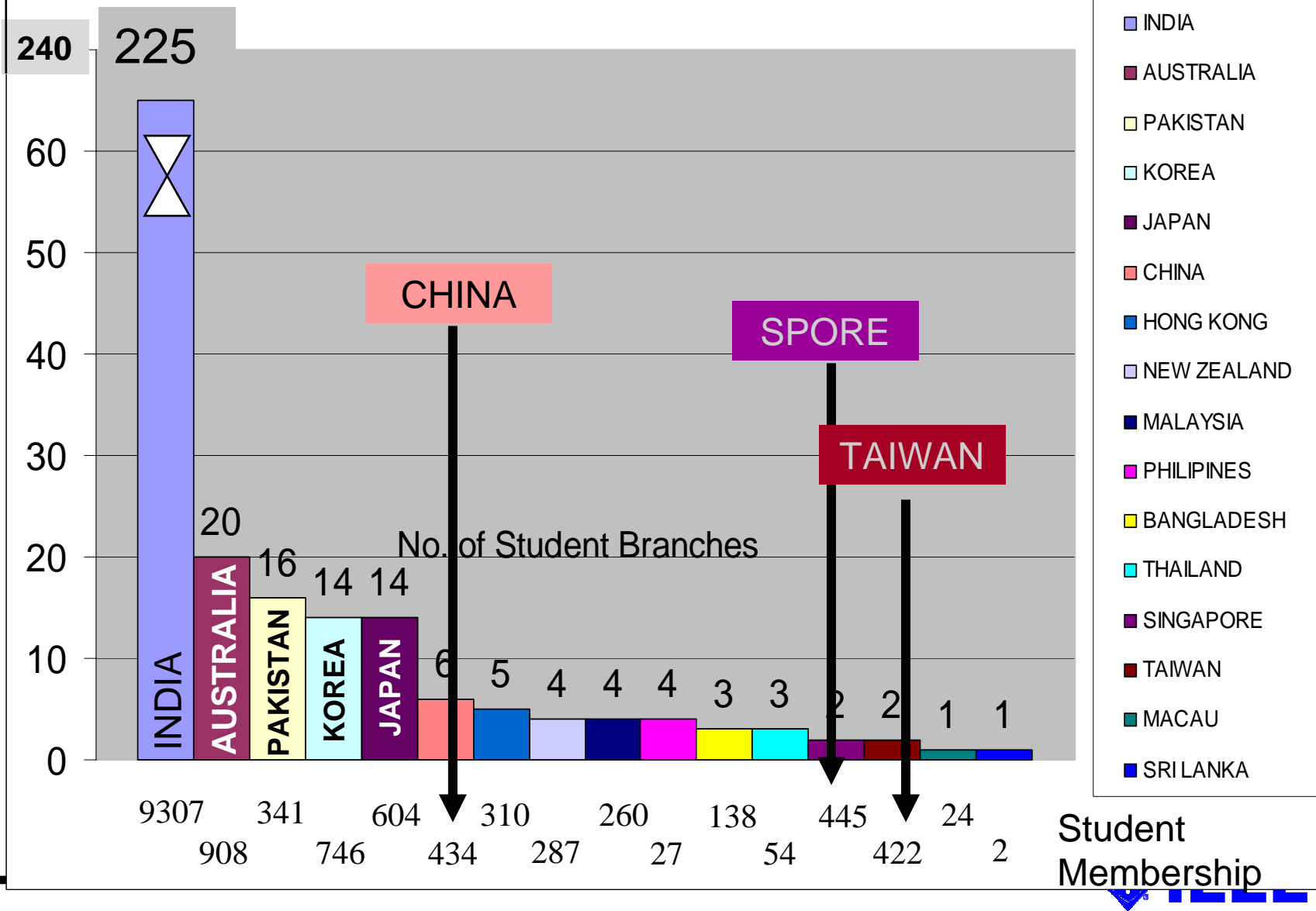
<b>COUNTRY</b>	<b>S. Members</b>	<b>S. Branches</b>	<b>Ratio: <u>Stu</u>/SB</b>
<b>INDIA</b>	<b>6,291</b>	<b>265</b>	<b>23.7</b>
<b>JAPAN</b>	<b>784</b>	<b>16</b>	<b>49</b>
<b>AUSTRALIA</b>	<b>677</b>	<b>24</b>	<b>28.2</b>
<b>KOREA</b>	<b>658</b>	<b>12</b>	<b>54.8</b>
<b>SINGAPORE</b>	<b>410</b>	<b>2</b>	<b>205</b>
<b>TAIWAN</b>	<b>339</b>	<b>2</b>	<b>169.5</b>
<b>HONG KONG</b>	<b>279</b>	<b>5</b>	<b>55.8</b>
<b>CHINA</b>	<b>233</b>	<b>6</b>	<b>38.8</b>
<b>PAKISTAN</b>	<b>212</b>	<b>17</b>	<b>12.5</b>
<b>MALAYSIA</b>	<b>153</b>	<b>4</b>	<b>38.2</b>
<b>NEW ZEALAND</b>	<b>123</b>	<b>2</b>	<b>61.5</b>
<b>BANGLADESH</b>	<b>91</b>	<b>4</b>	<b>22.8</b>
<b>THAILAND</b>	<b>38</b>	<b>3</b>	<b>12.7</b>
<b>PHILIPPINES</b>	<b>32</b>	<b>5</b>	<b>6.4</b>

(as of 28th Feb. 2005)

## STUDENT MEMBERSHIPS BY REGION

Region	Student Members		Change	
	2005	2004	#	%
1	3,657	3,563	94	2.6%
2	3,477	3,452	25	0.7%
3	4,472	4,374	98	2.2%
4	3,811	3,876	-65	-1.7%
5	4,176	4,312	-136	-3.2%
6	6,245	6,476	-231	-3.6%
<b>US</b>	<b>25,838</b>	<b>26,053</b>	<b>-215</b>	<b>-0.8%</b>
7	2,948	2,773	175	6.3%
8	13,502	11,631	1,871	16.1%
9	7,106	5,578	1,528	27.4%
10	18,196	16,323	1,873	11.5%
<b>Non-US</b>	<b>41,752</b>	<b>36,305</b>	<b>5,447</b>	<b>15.0%</b>
<b>Total</b>	<b>67,590</b>	<b>62,358</b>	<b>5,232</b>	<b>8.4%</b>

**NO. OF STUDENT BRANCHES/(STUDENT MEMBERS) BY COUNTRY**  
(as of 31 Dec. 2003)



# *Major Activities/Awards of SAC 2006*

*(Details are given to each Section Chair and SB Chair each year)*

## [1] Student Paper Contests 2006

Deadline: 28<sup>th</sup> February 2006

(1). Undergraduate Contest

(2). Postgraduate Contest

(All Prizes for both categories will be provided by HQ  
except for PG Contest Winner USD1,000 Travel Grant)

## [2] Student Best Website Contest 2006

Deadline: 15<sup>th</sup> March 2006

Two Levels: Region 10 and All Regions

Region 10 Level (Prizes awarded by Region 10)

## [3] Larry K. Wilson Award 2005

(Best student volunteer of the year)

Deadline: 28<sup>th</sup> February 2006

## [4] R10 Outstanding Student Branch Award 2005

Deadline: 28<sup>th</sup> February 2006

# Other Awards/Activities for 2006

*(Details are given to each Section Chair and SB Chair each year)*

- ◆ **Outstanding Student Branch Counselor & Advisor Recognition Award** - \$500 and a certificate, applications to HQ. Deadline 30th May, 2006. [Submit nomination form to l.durrett@ieee.org]
  - ◆ **AT&T Award** - for a Technical project - run by a Branch, funding up to US\$1000 - applications to HQ deadline - 1 November, 2006.
  - ◆ **Outstanding Student Certificate** - 1 Cert per 100 members in a Section, on request from a Section SAC to the HQ.
  - ◆ **Leadership Workshops**  
Can be organized by a Section or a Group of Student Branches.  
(Apply for partial supporting fund from RSAC)
- [3] **Students Awareness Activities (Contact Joey Duvall)**
- ◆ **S-PAC: Student Professional Awareness Conference**
  - ◆ **S-PAVe: Student Professional Awareness Ventures**
  - ◆ **S-TAC: Student Technical Awareness Conference ST**

## *SAC Activities (Comparisons)*

### *Submissions*

<b>ACTIVITY</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
STUDENT PAPER CONTESTS (Both UG/PG)	<b>18</b>	<b>33</b>	<b>44</b>	<b>37</b>	<b>40</b>
WEBSITE CONTESTS	<b>10</b>	<b>17</b>	<b>32</b>	<b>25</b>	<b>24</b>
LARRY K WILSON AWARD	<b>1</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>5</b>
OUTSTANDING SB AWARD	<b>-</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
MEMBERSHIPS	<b>15,660</b> <small>(31<sup>st</sup>Dec'01)</small>	<b>22,393</b> <small>(31<sup>st</sup>Dec'02)</small>	<b>11,823</b> <small>(31<sup>st</sup>Dec'03)</small>	<b>16,323</b> <small>(30<sup>th</sup> Sep'04)</small>	<b>10,135</b> <small>(28<sup>th</sup> Feb'04)</small>

# 2005 Region 10 Student Paper Contest

## POSTGRADUATE WINNERS

- ◆ 1st Prize: (US \$D350.00 + certificate + USD1,000 Travel Grant to TENCON 2006)
- ◆ Zeng Jia (IEEE Student Member No: 80151827) "Type-2 Fuzzy Hidden Markov Models and Their Applications to Phoneme Classification", University of Hong Kong, HONG KONG.
- ◆ 2nd Prize: (US \$300.00 + certificate)
- ◆ Yu Rui (IEEE Student Member No: 41563257) "A Bandpass Sigma-Delta Modulator Employing SAW Resonator", National University of Singapore, SINGAPORE.
- ◆ 3rd Prize: (US \$200.00 + certificate)
- ◆ Parastoo Sideghi (IEEE No: :41393179) "On the Achievable Information Rate in Finite State Markov Modeling of Flat Fading Channels", New South Wales, AUSTRALIA.

# 2005 Region 10 Student Paper Contest

## UNDERGRADUATE WINNERS

- ◆ 1st Prize: (US \$D300.00 + certificate)
- ◆ **Wei Song (IEEE No: 41448712)** "Blood Perfusion Model for Face Recognition using Infrared Images", National University of Singapore, SINGAPORE.
  
- ◆ 2nd Prize: (US \$200.00 + certificate)
- ◆ **Saba Ahsan (IEEE No: 80163323)** "Design and Implementation of an Unmanned Ground Vehicle Controlled over Wireless LAN", National University of Sciences and Technology, PAKISTAN.
  
- ◆ 3rd Prize: (US \$150.00 + certificate)
- ◆ **Yeo Eng Guan (IEEE No: 80171981)** "Investigation on Ultra-High Density Non-volatile Phase Change Random Access Memory (PCRAM) by Material Engineering", National University of Singapore, SINGAPORE.

# *Region 10 Website Contest 2005*

## **1st Place:**

**Regional contest winner (US \$500.00) & Inter-regional winner (US \$1,000.00)**

Vivekanand Education Society's Institute of Technology, Bombay Section

URL: <http://www.ieee-vesit.org>

## **2nd Place:**

**Regional contest 2nd place (US \$350.00) & Inter-regional Runner-up (US \$250.00)**

Thadomal Shahani Engineering College, Bombay Section

URL: <http://www.ieee-tsec.org>

## **3rd Place:**

**Regional contest 3rd place (US \$200.00) & Inter-regional Runner-up (US \$250.00)**

Universiti Teknologi Malaysia, Malaysia Section

URL: <http://www.ieee.org/utm>



# *Larry K Wilson Award*

## *(for Best Student Volunteer 2004)*

### **5 Nominations:**

- Sudhir B Iyer (RAIT, Bombay, India)
- Prijoe P. Komattu (COE, Chengannur, Kerala, India)
- Diksha Gera (Jamia M Islamia, New Delhi, India)
- Ankur Garg (Amrutvahini COE, Sangamner, Bombay, India)
- Balasaheb S. Darade (JNEC, Aurangabad, Bombay, India)

**Award went to:**

**Prijoe P. Komattu (COE, Chengannur, Kerala, India)**

# *R10 Outstanding Student Branch Award 2004*

◆ **Certificate + US\$250**

◆ **2 Nominations:**

- Shri Sant Gajanan Maharaj CoE ([Bombay, India](#))
- National Engineering College ([Madras, India](#))

**NO WINNER THIS  
TIME**

# *R10 Student Congress 2006*

HOST CONFERRED TO:

◆ **BEIJING,  
CHINA**



# R10 SBs With LOW MEMBERSHIPS [1]

SECTION	SCHOOL/STUDENT BRANCH	MEMBER	MEMBER	MEMBER
		S 2004	S 2003	S 2002
		31-Dec-04	31-Dec-03	31-Dec-02
BANGALORE	BLDE ASSOCIATIONS COLLEGE OF ENGR & TECH/KARNATAKA UNIV	8	0	0
BANGALORE	KHAJA BANDA NAWAG COLLEGE OF ENGRG	0	0	0
BANGALORE	NATIONAL INSTITUTE OF ENGRG-MYSORE	9	1	0
BOMBAY	IPS ACADEMY-INST OF ENG & SCIENCES	8	0	0
BOMBAY	JAWAHAR EDUCATION SOCIETY'S A C PATIL COLLEGE OF ENGINEERING	0	0	0
BOMBAY	LOKMANYA TILAK COLLEGE OF ENGINEERING	0	0	0
BOMBAY	SANJAY EDUCATION SOCIETY'S COLLEGE OF ENGR	1	1	0
BOMBAY	SHRIMATI INDIRA GANDHI COLLEGE OF ENG	0	0	0
BOMBAY	VEERMATA JIJABAI TECHNICAL INST	0	6	6
CALCUTTA	NATIONAL INSTITUTE OF SCIENCE & TECHNOLOGY	0	0	0
DELHI	AJMER ENGINEERING COLLEGE	2	5	5
DELHI	KURUKSHETRA REGIONAL ENG COLLEGE	6	0	1
DELHI	MBM ENGRG COLLEGE/JODHPUR UNIV	0	0	5



# *R10 SBs With LOW MEMBERSHIPS [2]*

		31-Dec-04	31-Dec-03	31-Dec-02
HYDERABAD	GANDHI INST OF TECH AND MGMT	0	0	0
HYDERABAD	HYDERABAD UNIV OF/UNIV SCHOOL OF MATH & COMPUTER SCIENCE	7	9	7
HYDERABAD	JAWAHARLAL NEHRU TECH UNIV-KAKINADA	7	4	4
HYDERABAD	RAJEEV GANDHI MEMORIAL COLLEGE OF ENG & TECH	1	2	3
HYDERABAD	SAGI RAMAKRISHNAM RAJU ENGRG COLLEGE	1	0	0
HYDRABAD	SREENIVASA INSTITUTE OF TECHNOLOGY & MANAGEMENT STUDIES	0	0	10
ISLAMABAD	TAXILA ENGINEERING AND TECHNOLOGY UNIVERSITY OF	1	3	2
KARACHI	HAMDARD UNIVERSITY	3	3	0
KERALA	AMRITA INSTITUTE OF TECHNOLOGY AND SCIENCE-KOLLAM	5	0	0
KERALA	GOVERNMENT ENGINEERING COLLEGE - SREEKRISHNAPURAM	0	0	0
KERALA	TRIVANDRUM COLLEGE OF ENGRG-U KERALA (C-016)	1	1	2
LAHORE	OVERSEAS PAKISTANI SCIENCE AND TECHNOLOGY COLLEGE	1	1	6
MADRAS	ADHIPARASAKTHI ENGRG COLLEGE	0	0	0
MADRAS	ADHIYAMAAN COLLEGE OF ENGINEERING	0	1	0
MADRAS	ALAGAPPA CHETTIAR COLLEGE OF ENG & TECH	0	0	0
MADRAS	AMS COLLEGE OF ENGINEERING	0	0	4
MADRAS	ANNAMALAI UNIV	2	1	1
MADRAS	ARULMIGU KALASALINGAM COLLEGE OF ENG	6	6	1
MADRAS	BHARATH INST OF SCIENCE & TECH/UNIV OF MADRAS	0	1	0

# *R10 SBs With LOW MEMBERSHIPS [3]*

		31- Dec-04	31- Dec-03	31-Dec- 02
MADRAS	GOVERNMENT COLLEGE OF ENGRG-TIRUNELVELI	0	0	1
MADRAS	GOVERNMENT COLLEGE OF ENG-SALEM	0	0	0
MADRAS	K S RANGASAMY COLLEGE OF TECHNOLOGY	3	1	0
MADRAS	MADHA ENGINEERING COLLEGE	0	0	0
MADRAS	MAHARAJA ENGINEERING COLLEGE	1	0	3
MADRAS	MOHAMED SATHAK ENGRG COLLEGE	0	0	0
MADRAS	SREE SASTHA INSTITUTE OF ENGINEERING & TECHNOLOGY	0	0	0
MADRAS	SRIRAM ENGINEERING COLLEGE	3	1	0
MADRAS	VLB JANAKAKIAMMAL COLLEGE OF ENGRG AND TECH	1	2	7
NORTH QUEENSLAND	PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY	1	3	3
QUEENSLAND	GRIFFITH UNIVERSITY - GOLD COAST CAMPUS	8	10	3
REPUBLIC PHILIPPINES	SANTO TOMAS UNIV OF	5	1	4
SEOUL	INHA UNIV	9	5	7
SRI LANKA	UNIVERSITY OF PERADENIYA	5	2	4
VICTORIAN	TASMANIA UNIV OF	4	2	2

# *Student Branch Financial Support Has Increased in 2004*

- **\$50.00 or \$100.00 allotment**
  - send to Student Branch Counselor upon receipt of annual plan of activities due 1 November
  - \$50 for membership <50 and \$100 for 50 or more
  
- **\$2.00 per Student Branch member rebate and \$1.00 per Branch Chapter member**
  - sent to Student Branch Counselor upon receipt of annual report of activities due 1 May
  
  - *In addition to the direct support to Student Branches, Sections receive a \$3.00 rebate for Student members in the Section*
  
  - *At Region 10 each new SB gets a \$50 subsidy upon approval and another \$50 if it can retain at least 20 members in the second year*
  
  - *In addition Region 10 provides a \$1 rebate for each member in a SB (cheque send to Section)*

# *Goals/Proposals for 2005*

- ◆ [1] Support All Major Activities and Sectional Activities for Students in Region 10 (especially biennial Students Congress for R10)
- ◆ [2] To increase Student Memberships and Retain Them
- ◆ [3] To increase new SBs but also to reduce Inactive SBs
- ◆ [4] Set up a Database of all SAC in Councils/SB Counselors/SAC Chairs/SB Chairs of Sections (ongoing)
- ◆ [5] Provide FURTHER support to RAB on the formation of new membership students grade in R10 of "Graduate Students" and "Students" (Undergraduate) [as proposed by RAB]

## *Graduate Student Membership (GSM)*

- ◆ **Graduate Student Member (GSM)**
- ◆ In July, RAB members and Regional Activities Department staff made a decision to promote and advertise GSM in 2006 when it will be fully implemented with the new IEEE Business Management System (BMS). Regional Activities staff will inform individuals that students who are currently attending graduate school and would qualify as GSMs are eligible to be elected/appointed to serve as Section/Chapter/Affinity group officers. The credentials and achievements of GSMs will allow them to:
  - Hold office in Section/Chapter/Affinity groups
  - Vote in IEEE elections
  - Get more actively involved in IEEE activities as volunteers
  - IEEE Bylaw I-104

## Graduate Student Member (GSM)

- ◆ A GSM must qualify for Member grade and carry at least 50% of a normal full-time academic program as a registered graduate student in a regular course of study in IEEE- designated fields. The total cumulative period for a member to hold the Student Member grade and/or the Graduate Student Member grade shall be limited to 8 years.
- ◆ GSM upon graduation or upon reaching the total cumulative 8-year limit as a Student Member and/or GSM (whichever occurs first), shall be transferred to Member grade.

# *Regarding the Regular Student Membership*

## **Student Member**

- ◆ (a) A Student Member must satisfy the following conditions (1) carry at least 50% of a normal full-time academic program as a registered undergraduate or graduate student in a regular course of study in IEEE-designated fields; and (2) not yet qualify for Member grade. The total cumulative period for a member to hold the Student Member grade and/or the Graduate Student Member grade shall be limited to 8 years.
- ◆ (b) Student Members, upon graduation or upon reaching the 8-year limit (whichever occurs first), with at least a baccalaureate or higher degree (or its equivalent) from a school and a designated field on the IEEE REP List shall be transferred to Member grade.
- ◆ (c) Student Members other than those qualifying under subparagraph (b), upon graduation or upon reaching the 8-year limit (whichever occurs first) shall be transferred to Associate Member grade.

# *GSM Benefits*

- ◆ Letter to those qualifying as GSM explaining benefits - 2007 membership renewal
- ◆ myIEEE member portal
- ◆ The Institute print and online
- ◆ Leadership Wire newsletter
- ◆ Society Sentinel newsletter
- ◆ SCOOP (Section Chair newsletter)
- ◆ IEEE Potentials magazine
- ◆ Online Communities (Section/Chapter Support, SAC, Region 6,8,9 students)
- ◆ IEEE Student Concourse Website
- ◆ What's New? Newsletters for students
- ◆ Student Branches - Branch News
- ◆ GOLDrush, GOLD Committee, GOLD Online Community, GOLD AGs

# *New Activities for Students Coming Up!*

## ◆ Darrel Chong Exemplary Students Activity Award

- First Submission: February 2006
- This Award will be given to any Activity organized by any IEEE Student Branch that is deemed beneficial or successful
- Criteria will be out soon
- Awards in the form of Plaque categorized as Platinum, Gold, Silver or Bronze
- Also will be advertised in Virtual Hall of Fame on Student Concourse
- Judges: Current and Past SAC Committee
- No limit to number of Awards
- Submit to [getplatinum@ieee.org](mailto:getplatinum@ieee.org)
- This will be available in 2006

## ◆ IEEE Xtreme Programming Contest

- Global 24-Hour Programming Contest
- Open to a Group of 3 or 4 students (all must be IEEE Student Members)
- Teams should register before a certain deadline
- Judging - Partly Automated
- Branch Counselor to certify
- Topics will be given online at 0 hour
- Prestigious
  - Significant publicity in promotion of event
  - Significant publicity in presenting the Award
- **Many students will want to participate**



*THANK YOU FOR YOUR ATTENTION*