



# MD Monthly – DECEMBER 2016

Membership Development Report – Page 1



This report is issued monthly on behalf of the IEEE Member & Geographic Activities Board. Source data is IEEE membership statistics. Contact: Elyn Perez, elyn.perez@ieee.org

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## SPECIAL ISSUE: YEAR-END STATISTICS

Monthly Census	YoY Variance		Dec '16	Dec '15	Nov '16	Dec '16 vs. Nov '16	
<b>IEEE Membership</b>		<b>2,211</b>	<b>+0.5%</b>	<b>423,566</b>	<b>421,355</b>	<b>407,594</b>	<b>+3.9%</b>
o Honorary		-2	-6.3%	30	32	31	-3.2%
o Fellow		120	+1.7%	7,364	7,244	7,355	0.1%
o Senior Member		1,713	+4.4%	40,572	38,859	39,693	2.2%
o Member		-1,608	-0.6%	250,839	252,447	248,425	1.0%
o Associate Member		-869	-10.4%	7,454	8,323	7,866	-5.2%
o Graduate Student		301	+0.7%	43,171	42,870	38,174	13.1%
o Undergraduate Student		2,556	+3.6%	74,136	71,580	66,050	12.2%
<b>Society Membership</b>		<b>-1,355</b>	<b>-0.4%</b>	<b>320,592</b>	<b>321,947</b>	<b>313,211</b>	<b>+2.4%</b>
o 16 Societies up > 1%		6,064	<i>Societies Note:</i> Sum of respective gains and losses, with all counts <b>excluding</b> Affiliates. <b>Including Affiliates, total Society memberships are down year-over-year by -3,259 or -1.0%.</b>				
o 4 Societies +/- 1%		-65					
o 19 Societies down > 1%		-7,354					

MD Venue	December - Membership Year To Date									
	'16	'15	'14	'13		'16	'15	'14	'13	
Retention	46.7%	46.3%	47.8%	46.9%		Recruitment	30,918	32,186	30,693	29,744
	180,021	176,537	185,747	184,310		Reinstatement	7,315	7,536	6,803	7,176
Higher-Grade	56.6%	55.6%	56.9%	55.7%		Recovery	n/a	n/a	n/a	n/a
	168,019	165,164	171,125	167,143						
STU/GSM	13.6%	13.5%	16.7%	18.4%						
	12,002	11,373	14,622	17,167						

<b>MD Resources</b> (IEEE Account required)	<a href="#">New Members</a>	<a href="#">SAMIEEE</a>	<a href="#">Reports</a>	<a href="#">Webcasts</a>	<a href="#">MD Kit Ordering</a>	<a href="#">Presentations</a>

	Recruitment Activities	Retention Activities
<b>Feb</b>	Give priority attention to renewal activities. → → <a href="#">Order Membership Development Kit</a> – for Section and Chapter events and activities next month.	<b>Arrears-Recovery Outreach</b> – <u>Service deactivation occurs on 25 February</u> for individuals who do not renew their 2017 membership. <b>Members Not Yet Renewed for the 2017 membership year</b> - Updated daily. Access via <b>SAMIEEE</b> MD folder, pre-defined query, "(MD) 2016 Last Renewal Year for Active Members – Name, Grade, Email."
<b>Mar</b>	Give priority attention to member recovery tools and activities, especially first-year members. → → <b>1 March:</b> ½-years dues period begins. Incorporate into recruitment messaging.	<b>1 March:</b> Arrears recovery period begins for all members in arrears. <b>Tools:</b> Located in the MD folder of SAMIEEE, use pre-defined queries to identify members who have not renewed. Communications templates also available in MD Manual and on the MD Portal.



## December MD Highlights

### IEEE Membership

The 2016 membership year officially ended on 31 December, though we allow members almost two months of a grace period in which to renew before their benefits and services are discontinued. Overall membership remains positive year-over-year by +0.5%, down slightly from +0.7% last month. In December, we saw a big pickup in renewal activity which was the main driver in the YoY gains. Recruitment activity remains behind, though early January data is showing an improvement. Reinstatement activity is continuing to chip away at the year-over-year deficits, and though still slightly behind is also showing a January revival.

### Recruitment

For the second month in a row, overall recruitment is negative year-over-year. December 2016 was a very slow month for recruitment compared to the same month in prior years. However up until this month we were experiencing record student recruitment, which has finally leveled off. The natural cycle for recruitment will see ebbing numbers continue through January and February, then spike back up again in March once the half year dues period begins.

See more detail on recruitment, page 7.

➡ Links to all MD resources plus communications templates can be found at [www.ieee.org/md](http://www.ieee.org/md).

### Retention

Overall retention saw a shift from negative to positive territory in December. Only in November did retention first fall behind, only to rebound this month and is now ahead by four tenths of a percent. Not only is the rate of retention greater, the raw number of members that renewed is also larger too (see chart, page 1). This combination bodes very well for maintaining positive overall membership growth in 2017.

We normally do see a spike in renewal activity close to the end of the calendar year, which is technically when IEEE membership expires, however there is a two month grace period for members to renew. On 25 February, the annual service deactivation will take place for those members who have not renewed. At that time, all of the access, benefits and services as a member will be discontinued.

Only undergraduate retention rates are behind last year, but that margin decreased by almost half. Graduate student member and higher grade member retention rates both pulled ahead to exceed last year. First year member retention, in all grade categories, are ahead of where they were last year, another very positive sign for membership engagement and growth.

➡ The **annual service deactivation will take place on 25 February**. Reach out to your members who have not yet renewed for 2017. In SAMIEEE utilize the query named “(MD) 2016 Last Renewal Year for Active Members – Name, Grade, Email” to identify your unrenewed members.

Following record recruitment in 2016, we now have a larger pool of first-year members set to renew for 2017. The retention rate for this group is much lower than the average (28.7% for first year members versus 70.0% overall) hence it can't be stressed enough that retention will be critical for this larger pool of first year members.

There are several communications that have been added to the first year of a member's tenure, to increase the engagement among this group. That launched in the second quarter of 2016. We are also seeing many Sections implement their own 'first year experience' plan locally. This is an excellent idea.

➡ Do you have a first-year member program in place? Or do you need help or ideas to start one? Tip: Utilize the new First Year Member Engagement Toolkit and other resources available on the MD portal, [www.ieee.org/md](http://www.ieee.org/md) or contact Denise Maestri, [d.maestri@ieee.org](mailto:d.maestri@ieee.org).

See more detail on retention, page 6.



## Society Membership

Overall Society memberships are down -0.4% year-over-year, improving from a -0.7% decline last month. We are seeing more Societies showing positive year-over-year growth. Of the 16 Societies posting positive year-over-year results, IEEE Computer Society accounts for 30% of the total Society membership gains. The introduction of new customized membership bundles based on career stage is helping to maintain positive retention as well as attract more new members for IEEE Computer Society in 2017.

The top Societies in terms of percentage growth thus far in the 2017 membership year are Social Implications of Technology Society (+5.6%), Industry Applications Society (+4.6%), Industrial Electronics Society (+4.6%) and Power & Energy Society (+4.4%).

Society membership details begin on page 10.



### Give the Gift of Membership

Did you know that members and volunteers can give the gift of IEEE membership? Visit [www.ieee.org/gift](http://www.ieee.org/gift) to learn more. There are options to gift both student and professional membership for a friend, colleague or loved one.

It is a unique way to say thank you, congratulations or to get someone started with IEEE – utilize it for staff holiday appreciation gifts, Section recruitment efforts, graduations, birthdays, new jobs, and more.



### PayPal Payment Option is Available

In December, IEEE launched a PayPal payment option. PayPal is available for payment of memberships and subscriptions, Society Resource Center sites, and *Xplore* articles. This added payment flexibility is something all members can take advantage of, but will especially help members in countries which allow for PayPal transactions, but have restrictions on the use of credit cards for USD transactions.

The PayPal payment option is not available with article processing fees and products with recurring charges (like the Member Digital Library).

**IEEE SMART TECH**  
**METRO AREA WORKSHOP SERIES**  
Professional workshops in a learning environment



### 5G, SYSTEMS ENGINEERING, CYBERSECURITY, BIG DATA, IOT - ON DEMAND COURSES NOW AVAILABLE

Get valuable insights and case study findings from today's leading technology thought leaders with access to the recorded training courses from IEEE's Smart Tech Event in Crystal City, VA, USA.

The courses and tutorials presented during the 2016 IEEE Smart Tech Signature Event in Crystal City, VA were recorded and are now available for a nominal fee to both members and non-members on IEEE.tv. The cost for each 6-hour course is US\$39.99 for members and US\$59.99 for non-members. You can find detailed descriptions of each course/tutorial here: <http://ieeetv.ieee.org/event-showcase/ieee-smart-tech-2016>



## 2017 Membership Development Goals



Antonio Luque  
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2015-16 MRRC Chair

**A big thank you and congratulations to outgoing Member Recruitment and Recovery (MRR) Committee Chair Antonio Luque (Spain). In January, we welcome Takako Hashimoto (Japan) as the new MRR Committee Chair.**



**Outstanding Section Membership  
Recruitment and Retention Performance**

MD goals are created for each individual Section for both recruitment and retention. Below are the Section goals rolled up to the Region level for each channel. In this report, we will track progress to goal on the Region-level. You will find the Section levels goals and progress in your monthly Region MD report.



Takako Hashimoto  
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2017 MRRC Chair

For 2017 goals, we reviewed five years of history. Each Section has a unique goal based on different dynamics - whether the Section has had growth or decline, as well as the overall size and location of the Section. Note that reinstatement goals are assigned on the Region level only.

Detail on the Section goals and progress are included in the Region level MD reports. These reports are sent via e-mail once monthly. If you are not receiving your region MD report, please contact your Region MD Chair.

For the complete listing of Section goals, visit the MD goals page on the MD portal, [www.ieee.org/md](http://www.ieee.org/md).

## Section Recognition Awards

Each Section that meets their goal receives a special recognition in the form of an electronic banner that can be placed on Section websites, in newsletters, and even in e-mail signatures. Banners are distributed to the Section's Membership Development Chair, and/or Section Chair.

These Sections will also be recognized in the MD Monthly report, region level MD reports and on the MD portal, [www.ieee.org/md](http://www.ieee.org/md).



Banners include the membership year and Section name in the graphic. A **silver award** will be given in either the recruitment or retention category once met. A **gold medal of recognition** will be given once both goals are met.

At the end of the year, a special gift and certificate of recognition will be mailed to those who earned the gold award. Certificates of recognition will also be mailed to those who earned either silver award.



### Region Membership Goals – 2017 Membership Year

Below is a summary by Region showing the goal and progress to goal, as of the current month. At four months into the membership year, the percent to goal benchmark (last column in charts below) is 33% or more.

Retention	2017 % Retention Goal	2017 Retention Growth	2017 YTD Dec	% to Goal
R1	81.8%	0.7%	59.9%	73.2%
R2	83.5%	1.2%	61.1%	73.2%
R3	79.1%	1.0%	57.3%	72.5%
R4	79.8%	1.1%	58.4%	73.2%
R5	78.7%	1.4%	57.3%	72.8%
R6	81.0%	1.7%	59.7%	73.7%
R7	75.7%	1.6%	53.4%	70.5%
R8	71.0%	1.8%	42.6%	60.0%
R9	52.4%	1.7%	24.8%	47.3%
R10	57.2%	1.9%	31.8%	55.6%
Total	71.6%	1.6%	32.4%	45.3%

Since most retention activity occurs in the first half of the membership year, the higher percentages to goal are expected. This should not be viewed as a sign that retention is tracking far ahead. This will start to level off over the coming months.

The goals for retention growth are reflective of the last five years, and are rather aggressive – local efforts are critical to sustain this.

Recruitment	2017 Recruitment Goal	2017 Recruitment Growth	2017 YTD Dec	% to Goal
R1	3,816	5.1%	1,308	34.3%
R2	2,998	5.3%	893	29.8%
R3	4,217	6.8%	1,416	33.6%
R4	3,086	7.2%	973	31.5%
R5	3,898	8.1%	1,311	33.6%
R6	6,218	6.6%	2,454	39.5%
R7	2,876	9.7%	984	34.2%
R8	17,240	0.5%	6,049	35.1%
R9	6,535	7.0%	2,001	30.6%
R10	45,545	-9.2%	13,529	29.7%
Total	96,429	-2.4%	30,918	32.1%

Since recruitment is lagging behind last year, we would expect progress to goals to be in line with that. Despite that, 6 out of 10 Regions are tracking above goal benchmark. Region 6 had a good recruitment month pulling it ahead to have the highest progress to goal, followed by Region 8.

Word of mouth is the most effective sales tool. Promote the Member-Get-a-Member program to your members.  
[www.ieee.org/mgm](http://www.ieee.org/mgm)

Reinstatement	2017 Reinstatement Goal	2017 Reinstatement Growth	2017 YTD Dec	% to Goal
R1	1,302	5.0%	459	35.3%
R2	1,159	5.0%	367	31.7%
R3	1,334	5.0%	488	36.6%
R4	914	5.0%	319	34.9%
R5	1,256	5.0%	490	39.0%
R6	2,570	5.0%	861	33.5%
R7	694	5.0%	297	42.8%
R8	4,296	5.0%	1,513	35.2%
R9	1,149	5.0%	497	43.3%
R10	5,329	5.0%	2,024	38.0%
Total	20,001	5.0%	7,315	36.6%

All but one Region is tracking above the goal benchmark.

Former members are a ripe pool of candidates to outreach to – and each year that pool grows.

Focus on sustaining reinstatement growth by regularly outreaching to them and/or inviting them to events.

Find Section-level goals and progress online at [www.ieee.org/md](http://www.ieee.org/md) or in your monthly Region MD report.



### Membership Retention Update

Overall retention saw a shift from negative to positive territory in December. Only in November did retention first fall behind, only to rebound this month and is now ahead by four tenths of a percent. Not only is the rate of retention greater, the raw number of members that renewed is also larger too (see chart, page 1). This combination bodes very well for maintaining positive overall membership growth in 2017.

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Only undergraduate retention rates are behind last year, but that margin decreased by almost half. Graduate student member and higher grade member retention rates both pulled ahead to exceed last year. In addition, first year member retention is ahead of last year, another very positive sign for membership engagement and growth.

There are several communications that have been added to the first year of a member's tenure, to increase the engagement among this group. That launched in the second quarter of 2016. We are also seeing many Sections implement their own 'first year experience' plan locally. This is an excellent idea. Do you have a first-year member program in place? Or do you need help or ideas to start one? Contact Denise Maestri, [d.maestri@ieee.org](mailto:d.maestri@ieee.org).

**IEEE Membership Renewal / Retention - December 2016**

REGION	HIGHER GRADE w/o GSM				GRADUATE STUDENTS				UNDERGRADUATE STUDENTS				TOTAL MEMBERS			
	Opportunity	Renewal			Opportunity	Renewal			Opportunity	Renewal			Opportunity	Renewal		
		#	%, '17	%, '16		#	%, '17	%, '16		#	%, '17	%, '16		#	%, '17	%, '16
1	26,637	17,223	64.7%	63.1%	1,460	314	21.5%	20.1%	1,557	216	13.9%	11.3%	29,654	17,753	59.9%	58.4%
2	23,278	15,315	65.8%	63.5%	1,352	322	23.8%	22.1%	1,228	169	13.8%	17.1%	25,858	15,806	61.1%	59.4%
3	22,789	14,473	63.5%	62.2%	1,790	464	25.9%	24.8%	1,942	267	13.7%	12.9%	26,521	15,204	57.3%	55.8%
4	16,700	10,778	64.5%	62.5%	1,518	391	25.8%	23.1%	1,231	187	15.2%	14.2%	19,449	11,356	58.4%	56.3%
5	22,071	13,789	62.5%	60.7%	1,415	351	24.8%	23.0%	1,546	209	13.5%	12.1%	25,032	14,349	57.3%	55.1%
6	44,365	28,331	63.9%	62.0%	2,168	530	24.4%	20.5%	2,517	406	16.1%	13.6%	49,050	29,267	59.7%	57.2%
R 1-6	155,840	99,909	64.1%	62.3%	9,703	2,372	24.4%	22.2%	10,021	1,454	14.5%	13.3%	175,564	103,735	59.1%	57.1%
7	12,491	7,414	59.4%	53.0%	1,520	439	28.9%	24.9%	1,045	187	17.9%	13.2%	15,056	8,040	53.4%	47.1%
8	52,665	26,355	50.0%	48.5%	8,986	2,338	26.0%	23.0%	7,796	909	11.7%	11.5%	69,447	29,602	42.6%	41.2%
9	9,116	3,258	35.7%	33.9%	1,079	230	21.3%	21.5%	5,306	352	6.6%	7.8%	15,501	3,840	24.8%	24.5%
10	66,857	31,083	46.5%	48.2%	13,089	2,321	17.7%	17.6%	29,577	1,400	4.7%	5.3%	109,523	34,804	31.8%	33.2%
R 7-10	141,129	68,110	48.3%	47.7%	24,674	5,328	21.6%	20.4%	43,724	2,848	6.5%	7.1%	209,527	76,286	36.4%	36.4%
TOTAL	296,969	168,019	56.6%	55.6%	34,377	7,700	22.4%	20.9%	53,745	4,302	8.0%	8.4%	385,091	180,021	46.7%	46.3%

➔ You can help improve higher grade retention in your Section by promoting Senior Member elevation, or by providing events and content that match your member's needs and interests. Get to know your members – there are pre-defined queries in SAMIEE that can help you do this.

**First-Year Member Renewal / Retention - December 2016**

REGION	HIGHER GRADE w/o GSM				GRADUATE STUDENTS				UNDERGRADUATE STUDENTS				TOTAL MEMBERS			
	Opportunity	Renewal			Opportunity	Renewal			Opportunity	Renewal			Opportunity	Renewal		
		#	%, '17	%, '16		#	%, '17	%, '16		#	%, '17	%, '16		#	%, '17	%, '16
1	1,750	396	22.6%	22.6%	652	78	12.0%	9.0%	1,217	128	10.5%	7.9%	3,619	602	16.6%	15.4%
2	1,437	319	22.2%	22.9%	576	81	14.1%	11.8%	902	88	9.8%	11.1%	2,915	488	16.7%	17.6%
3	1,756	417	23.7%	20.9%	758	124	16.4%	12.5%	1,485	145	9.8%	7.4%	3,999	686	17.2%	14.2%
4	1,291	290	22.5%	22.1%	685	111	16.2%	14.5%	929	114	12.3%	9.8%	2,905	515	17.7%	16.2%
5	1,820	413	22.7%	22.5%	591	93	15.7%	10.1%	1,191	122	10.2%	6.9%	3,602	628	17.4%	14.8%
6	3,050	764	25.0%	23.5%	905	114	12.6%	10.4%	1,895	246	13.0%	9.1%	5,850	1,124	19.2%	16.4%
R 1-6	11,104	2,599	23.4%	22.5%	4,167	601	14.4%	11.3%	7,619	843	11.1%	8.5%	22,890	4,043	17.7%	15.7%
7	1,286	319	24.8%	20.8%	630	107	17.0%	13.3%	718	87	12.1%	8.9%	2,634	513	19.5%	15.6%
8	6,435	1,113	17.3%	17.0%	4,417	711	16.1%	12.8%	6,063	497	8.2%	8.0%	16,915	2,321	13.7%	12.8%
9	1,600	185	11.6%	10.8%	508	65	12.8%	10.4%	4,052	167	4.1%	4.8%	6,160	417	6.8%	6.9%
10	16,576	2,489	15.0%	15.7%	8,514	965	11.3%	10.3%	25,101	938	3.7%	3.9%	50,191	4,392	8.8%	8.3%
R 7-10	25,897	4,106	15.9%	16.0%	14,069	1,848	13.1%	11.3%	35,934	1,689	4.7%	4.9%	75,900	7,643	10.1%	9.6%
TOTAL	37,001	6,705	18.1%	18.3%	18,236	2,449	13.4%	11.3%	43,553	2,532	5.8%	5.6%	98,790	11,686	11.8%	11.2%

### Recruitment Update

For the second month in a row, overall recruitment is negative year-over-year. December 2016 was a very slow month for recruitment compared to the same month in prior years. However up until this month we were experiencing record student recruitment, which has finally leveled off. The natural cycle for recruitment will see ebbing numbers continue through January and February, then spike back up again in March once the half year dues period begins. Here is how each of the three categories impacted the overall result in December:

- **Undergraduate recruitment** is behind -2.2% following +0.2% last month
  - Last year at this time: undergraduate recruitment was +3.0%
  - Main driver: Earlier recruitment gains not maintained.
- **Graduate student recruitment** is also behind, -0.5% following +0.4 last month
  - Last year at this time: graduate student recruitment was +4.3%
  - Main driver: Same trend as undergraduates at this time of year.
- **Higher Grade recruitment** is behind -13.7%, was -8.8% in November
  - Last year at this time: higher grade recruitment was positive +12.4%.
  - Record recruitment in Region 10 last year will make positive gains this year a challenge.

➔ Sections are encouraged to **promote the Member-Get-a-Member referral program** to existing members, especially within the student branches in your Section. Need help or ideas? E-mail [elyn.perez@ieee.org](mailto:elyn.perez@ieee.org).

**Cumulative Recruitment - December 2016**

REGION	HIGHER GRADE w/o GSMs				GRADUATE STUDENTS				UNDERGRADUATE STUDENTS				TOTAL MEMBERS			
	2016	2015	Change		2016	2015	Change		2016	2015	Change		2016	2015	Change	
			#	%			#	%			#	%			#	%
1	296	296	0	0.0%	275	305	(30)	-9.8%	737	921	(184)	-20.0%	1,308	1,522	(214)	-14.1%
2	207	249	(42)	-16.9%	226	247	(21)	-8.5%	460	538	(78)	-14.5%	893	1,034	(141)	-13.6%
3	238	295	(57)	-19.3%	312	307	5	1.6%	866	884	(18)	-2.0%	1,416	1,486	(70)	-4.7%
4	194	200	(6)	-3.0%	238	282	(44)	-15.6%	541	547	(6)	-1.1%	973	1,029	(56)	-5.4%
5	287	307	(20)	-6.5%	266	260	6	2.3%	758	841	(83)	-9.9%	1,311	1,408	(97)	-6.9%
6	577	610	(33)	-5.4%	414	490	(76)	-15.5%	1,463	1,198	265	22.1%	2,454	2,298	156	6.8%
R 1-6	1,799	1,957	(158)	-8.1%	1,731	1,891	(160)	-8.5%	4,825	4,929	(104)	-2.1%	8,355	8,777	(422)	-4.8%
7	231	227	4	1.8%	258	256	2	0.8%	495	484	11	2.3%	984	967	17	1.8%
8	1,013	1,070	(57)	-5.3%	1,459	1,905	(446)	-23.4%	3,577	3,478	99	2.8%	6,049	6,453	(404)	-6.3%
9	263	264	(1)	-0.4%	209	224	(15)	-6.7%	1,529	1,344	185	13.8%	2,001	1,832	169	9.2%
10	1,776	2,369	(593)	-25.0%	3,353	2,767	586	21.2%	8,400	9,021	(621)	-6.9%	13,529	14,157	(628)	-4.4%
R 7-10	3,283	3,930	(647)	-16.5%	5,279	5,152	127	2.5%	14,001	14,327	(326)	-2.3%	22,563	23,409	(846)	-3.6%
TOTAL	5,082	5,887	(805)	-13.7%	7,010	7,043	(33)	-0.5%	18,826	19,256	(430)	-2.2%	30,918	32,186	(1,268)	-3.9%

### IEEE-USA Recruitment Incentive



In an effort to increase US higher-grade membership, IEEE-USA and MGA have partnered on a campaign that builds on the existing Member-Get-a-Member program.



Higher-grade members in the US are eligible to submit referrals through a special online form. An automated email invites the referral to join and offers a US\$25 discount on their first year (16 August - 28 February), or to join at the special half year dues rate (1 March – 15 August). For each successful new recruit, the referring member can select an IEEE-USA branded merchandise item including a hat, cooler, backpack, golf balls, pen sets, portable charger, tablet case, umbrella and more.

MGA promotes the program in the monthly Benefits Bulletin, and **Sections and Regions should promote the program on their own website.** For more information on how to do this, contact Elyn Perez, [elyn.perez@ieee.org](mailto:elyn.perez@ieee.org).

	2017 To Date	2016 Total	2015 Total	2014 Total	Program To Date
Referrals Submitted	295	1,094	941	1,240	3,570
Referrals Joined	130	475	224	397	1,226
% of Referrals Joined	44.0%	43.4%	23.8%	32.0%	34.3%
# New US HG Members	78	377	168	295	918



**Recruiters of the Month – Member-Get-a-Member (MGM) Program**

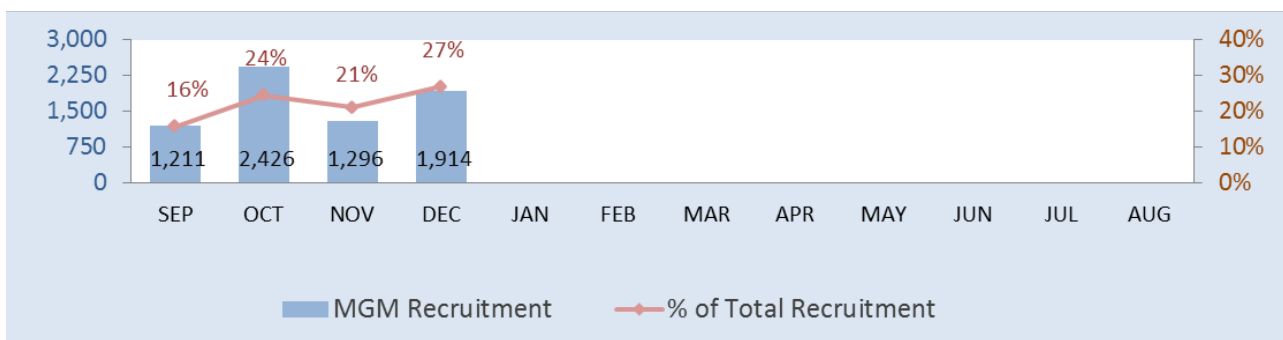
[www.ieee.org/mgm](http://www.ieee.org/mgm)

We are pleased to recognize this month’s top program participants. The IEEE Member-Get-a-Member (MGM) program is popular with student members and therefore the program results often ebb and flow with the academic school year.

<b>Chowdhury Hossain</b>	R10, Bangladesh Section	135 new members	<b>Bhargavi Nagesh</b>	R10, Bangalore Section	13 new members
<b>Amit Kushwaha</b>	R10, Delhi Section	80 new members	<b>Aarsi Kumar Menon Rakesh Vasudevan</b>	R10, Bangalore Section	13 new members
<b>Emna Chelly Marouen Abderrahim</b>	R8, Tunisia Section	79 new members	<b>Sushanth Upadhya S</b>	R10, Kerala Section	13 new members
<b>S. M. Zia Ur Rashid</b>	R10, Bangladesh Section	37 new members	<b>Reine Moussa</b>	R10, Bangalore Section	13 new members
<b>Riddhi Ladani</b>	R10, Gujarat Section	32 new members	<b>Ragini Kumari</b>	R10, Bangalore Section	12 new members
<b>Sireesha Tammana</b>	R10, Hyderabad Section	26 new members	<b>Yashwanth H S</b>	R10, Bangalore Section	12 new members
<b>Roohan Hamza</b>	R10, Lahore Section	25 new members	<b>Roshni Ravi</b>	R10, Bangalore Section	12 new members
<b>Housseem Zitoun</b>	R8, Tunisia Section	20 new members	<b>Alna T Kurian</b>	R10, Kerala Section	12 new members
<b>Deepak Desai</b>	R10, Bangalore Section	19 new members	<b>Safwan Taleb</b>	R8, Tunisia Section	12 new members
<b>Tanveer Rahman</b>	R10, Bangladesh Section	19 new members	<b>Lakindu Gunasekara</b>	R10, Sri Lanka Section	12 new members
<b>Abdallah Malkawi</b>	R8, Jordan Section	17 new members	<b>Nabilla Fessi</b>	R8, Tunisia Section	11 new members
<b>Sajeeb Saha</b>	R10, Bangladesh Section	16 new members	<b>Md. Asifur Rahman</b>	R10, Bangladesh Section	11 new members
<b>Vinayak K S</b>	R10, Kerala Section	16 new members	<b>Gedela Vivek</b>	R10, Kerala Section	11 new members
<b>Aishwarya Joisa</b>	R10, Bangalore Section	15 new members	<b>Hemangi Sharma</b>	R10, Gujarat Section	11 new members
<b>Socrates Romero</b>	R9, Puebla Section	14 new members	<b>Shon Shaji</b>	R10, Kerala Section	10 new members
<b>Kaushik N P</b>	R10, Bangalore Section	14 new members	<b>Iqbal Basheer</b>	R10, Kerala Section	10 new members
<b>Suhas C</b>	R10, Bangalore Section	13 new members	<b>Ayoub Salha</b>	R8, Tunisia Section	10 new members
<b>Shaina Noronha</b>	R10, Bangalore Section	13 new members	<b>Rana Ahmad</b>	R10, Bangladesh Section	10 new members
<b>Melissa Lobo</b>	R10, Bangalore Section	13 new members	<b>Yue Zhang</b>	R10, Beijing Section	10 new members

**2017 MGM Recruits YTD: 6,847 new members\***  
**Same period last year: 7,196\***  
**Year-over-year: -4.8%**

*\*Eligible referrals under the program rules.*





<b>Membership by Region</b>	<b>Dec '16</b>	e-Members are included in the higher-grade counts of Regions 3, 8, 9, and 10. <b>Green shading = year-over-year growth &gt;1.0%; Yellow shading = +/- 0.99%; Red shading &gt; (1.0%)</b>
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Geographic IEEE Membership Summary - December 2016																
REGION	Higher-Grade w/o GSM				Graduate Students				Undergraduate Students				TOTAL MEMBERS			
	2016	2015	Change		2016	2015	Change		2016	2015	Change		2016	2015	Change	
			#	%			#	%			#	%			#	%
<b>1</b>	27,194	28,108	(914)	-3.3%	1,831	1,996	(165)	-8.3%	2,385	2,530	(145)	-5.7%	31,410	32,634	(1,224)	-3.8%
<b>2</b>	23,613	24,612	(999)	-4.1%	1,664	1,772	(108)	-6.1%	1,740	1,798	(58)	-3.2%	27,017	28,182	(1,165)	-4.1%
<b>3</b>	23,332	23,859	(527)	-2.2%	2,230	2,231	(1)	0.0%	2,940	3,189	(249)	-7.8%	28,502	29,279	(777)	-2.7%
<b>4</b>	17,006	17,523	(517)	-3.0%	1,845	1,890	(45)	-2.4%	1,827	1,990	(163)	-8.2%	20,678	21,403	(725)	-3.4%
<b>5</b>	22,650	23,438	(788)	-3.4%	1,798	1,841	(43)	-2.3%	2,426	2,885	(459)	-15.9%	26,874	28,164	(1,290)	-4.6%
<b>6</b>	45,844	47,098	(1,254)	-2.7%	2,749	3,100	(351)	-11.3%	4,141	4,307	(166)	-3.9%	52,734	54,505	(1,771)	-3.2%
<b>R 1-6</b>	159,639	164,638	(4,999)	-3.0%	12,117	12,830	(713)	-5.6%	15,459	16,699	(1,240)	-7.4%	187,215	194,167	(6,952)	-3.6%
<b>7</b>	12,850	13,418	(568)	-4.2%	1,859	1,998	(139)	-7.0%	1,602	1,747	(145)	-8.3%	16,311	17,163	(852)	-5.0%
<b>8</b>	54,454	55,248	(794)	-1.4%	10,843	11,512	(669)	-5.8%	11,654	11,123	531	4.8%	76,951	77,883	(932)	-1.2%
<b>9</b>	9,617	10,309	(692)	-6.7%	1,348	1,344	4	0.3%	7,064	6,916	148	2.1%	18,029	18,569	(540)	-2.9%
<b>10</b>	69,699	63,292	6,407	10.1%	17,004	15,186	1,818	12.0%	38,357	35,095	3,262	9.3%	125,060	113,573	11,487	10.1%
<b>R7-10</b>	146,620	142,267	4,353	3.1%	31,054	30,040	1,014	3.4%	58,677	54,881	3,796	6.9%	236,351	227,188	9,163	4.0%
<b>TOTAL</b>	<b>306,259</b>	<b>306,905</b>	<b>(646)</b>	<b>-0.2%</b>	<b>43,171</b>	<b>42,870</b>	<b>301</b>	<b>0.7%</b>	<b>74,136</b>	<b>71,580</b>	<b>2,556</b>	<b>3.6%</b>	<b>423,566</b>	<b>421,355</b>	<b>2,211</b>	<b>0.5%</b>

- Overall membership is ahead +0.5% YoY
  - Was +0.7% last month
  - Main drivers: Accelerated renewal activity and improving reinstatement activity
- Higher-grade membership behind -0.2%, following -0.1% the last two months
  - Main driver: Significant recruitment declines in R10
  - Last year overall HG was -0.8%
- GSM grade is positive +0.7% once more, dipped last month
  - Main driver: Renewal activity spiked and turned positive YoY, in 9 of the 10 Regions
  - Last year this time was -5.6%
- STU membership is up +3.6% YoY, falling from +4.6% last month
  - Main driver: Narrowed retention gap since November
  - Last year this time was -0.1%

## Society Memberships

Color Key: **Green** shading = year-over-year growth >1.0%; **Yellow** shading = +/- 0.99%; **Red** shading > (1.0%)

IEEE Society Membership Totals as of December 2016																				
SOCIETY / DIVISION	IEEE Higher Grade Members (including GSMS)		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals (with affiliates)		Change		Society Totals (without affiliates)		Change	
	2016	2015	#	%	2016	2015	#	%	2016	2015	#	%	2016	2015	#	%	2016	2015	#	%
<b>IEEE Societies</b>																				
<b>DIVISION I</b>																				
Circuits & Systems	9,937	9,684	253	2.6%	521	566	-45	-8.0%	47	46	1	2.2%	10,505	10,296	209	2.0%	10,458	10,250	208	2.0%
Electron Devices	9,952	9,752	200	2.1%	439	452	-13	-2.9%	55	50	5	10.0%	10,446	10,254	192	1.9%	10,391	10,204	187	1.8%
Solid-State Circuits	9,801	9,750	51	0.5%	306	224	82	36.6%	101	109	-8	-7.3%	10,208	10,083	125	1.2%	10,107	9,974	133	1.3%
<b>Div I Subtotal</b>	<b>29,690</b>	<b>29,186</b>	<b>504</b>	<b>1.7%</b>	<b>1,266</b>	<b>1,242</b>	<b>24</b>	<b>1.9%</b>	<b>203</b>	<b>205</b>	<b>-2</b>	<b>-1.0%</b>	<b>31,159</b>	<b>30,633</b>	<b>526</b>	<b>1.7%</b>	<b>30,956</b>	<b>30,428</b>	<b>528</b>	<b>1.7%</b>
<b>DIVISION II</b>																				
Components, Packaging & Mfg Tech	2,422	2,465	-43	-1.7%	36	55	-19	-34.5%	31	27	4	14.8%	2,489	2,547	-58	-2.3%	2,458	2,520	-62	-2.5%
Dielectrics & Electrical Insulation	2,122	2,135	-13	-0.6%	26	17	9	52.9%	30	27	3	11.1%	2,178	2,179	-1	0.0%	2,148	2,152	-4	-0.2%
Industry Applications	11,280	11,461	-181	-1.6%	2,688	1,888	800	42.4%	52	47	5	10.6%	14,020	13,396	624	4.7%	13,968	13,349	619	4.6%
Instrumentation & Measurements	3,812	4,042	-230	-5.7%	98	96	2	2.1%	24	17	7	41.2%	3,934	4,155	-221	-5.3%	3,910	4,138	-228	-5.5%
Power Electronics	8,046	7,837	209	2.7%	608	556	52	9.4%	26	31	-5	-16.1%	8,680	8,424	256	3.0%	8,654	8,393	261	3.1%
Ultrasonics, Ferroelectrics, Freq Ctrl	2,254	2,220	34	1.5%	70	56	14	25.0%	49	39	10	25.6%	2,373	2,315	58	2.5%	2,324	2,276	48	2.1%
<b>Div II Subtotal</b>	<b>29,936</b>	<b>30,160</b>	<b>-224</b>	<b>-0.7%</b>	<b>3,526</b>	<b>2,668</b>	<b>858</b>	<b>32.2%</b>	<b>212</b>	<b>188</b>	<b>24</b>	<b>12.8%</b>	<b>33,674</b>	<b>33,016</b>	<b>658</b>	<b>2.0%</b>	<b>33,462</b>	<b>32,828</b>	<b>634</b>	<b>1.9%</b>
<b>DIVISION III</b>																				
Communications	28,447	30,217	-1,770	-5.9%	899	895	4	0.4%	439	1,089	-650	-59.7%	29,785	32,201	-2,416	-7.5%	29,346	31,112	-1,766	-5.7%
<b>DIVISION IV</b>																				
Antennas & Propagation	8,532	8,617	-85	-1.0%	243	281	-38	-13.5%	58	54	4	7.4%	8,833	8,952	-119	-1.3%	8,775	8,898	-123	-1.4%
Broadcast Technology	1,645	1,668	-23	-1.4%	57	53	4	7.5%	27	21	6	28.6%	1,729	1,742	-13	-0.7%	1,702	1,721	-19	-1.1%
Consumer Electronics	2,898	3,159	-261	-8.3%	145	147	-2	-1.4%	22	22	0	0.0%	3,065	3,328	-263	-7.9%	3,043	3,306	-263	-8.0%
Electromagnetic Compatibility	3,791	3,952	-161	-4.1%	50	52	-2	-3.8%	44	36	8	22.2%	3,885	4,040	-155	-3.8%	3,841	4,004	-163	-4.1%
Magnetics	2,883	3,089	-206	-6.7%	62	79	-17	-21.5%	72	87	-15	-17.2%	3,017	3,255	-238	-7.3%	2,945	3,168	-223	-7.0%
Microwave Theory & Techniques	10,799	11,063	-264	-2.4%	313	314	-1	-0.3%	31	36	-5	-13.9%	11,143	11,413	-270	-2.4%	11,112	11,377	-265	-2.3%
Nuclear & Plasma Sciences	2,874	2,910	-36	-1.2%	94	76	18	23.7%	44	46	-2	-4.3%	3,012	3,032	-20	-0.7%	2,968	2,986	-18	-0.6%
<b>Div IV Subtotal</b>	<b>33,422</b>	<b>34,458</b>	<b>-1,036</b>	<b>-3.0%</b>	<b>964</b>	<b>1,002</b>	<b>-38</b>	<b>-3.8%</b>	<b>298</b>	<b>302</b>	<b>-4</b>	<b>-1.3%</b>	<b>34,684</b>	<b>35,762</b>	<b>-1,078</b>	<b>-3.0%</b>	<b>34,386</b>	<b>35,460</b>	<b>-1,074</b>	<b>-3.0%</b>
<b>DIVISION V/VIII</b>																				
Computer	44,956	43,945	1,011	2.3%	4,378	3,521	857	24.3%	7,524	8,590	-1,066	-12.4%	56,858	56,056	802	1.4%	49,334	47,466	1,868	3.9%

Color Key: Green shading = year-over-year growth >1.0%; Yellow shading = +/- 0.99%; Red shading > (1.0%)

IEEE Society Membership Totals as of December 2016																				
SOCIETY / DIVISION	IEEE Higher Grade Members (including GSMs)		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals (with affiliates)		Change		Society Totals (without affiliates)		Change	
	2016	2015	#	%	2016	2015	#	%	2016	2015	#	%	2016	2015	#	%	2016	2015	#	%
<b>IEEE Societies</b>																				
<b>DIVISION VI</b>																				
Education	3,338	3,401	-63	-1.9%	70	98	-28	-28.6%	44	42	2	4.8%	3,452	3,541	-89	-2.5%	3,408	3,499	-91	-2.6%
Industrial Electronics	6,724	6,417	307	4.8%	281	277	4	1.4%	35	32	3	9.4%	7,040	6,726	314	4.7%	7,005	6,694	311	4.6%
Product Safety Engineering	813	832	-19	-2.3%	37	4	33	825.0%	13	12	1	8.3%	863	848	15	1.8%	850	836	14	1.7%
Professional Communication	660	722	-62	-8.6%	25	15	10	66.7%	56	53	3	5.7%	741	790	-49	-6.2%	685	737	-52	-7.1%
Reliability	1,713	1,836	-123	-6.7%	18	29	-11	-37.9%	25	29	-4	-13.8%	1,756	1,894	-138	-7.3%	1,731	1,865	-134	-7.2%
Social Implications of Technology	1,504	1,468	36	2.5%	79	31	48	154.8%	26	15	11	73.3%	1,609	1,514	95	6.3%	1,583	1,499	84	5.6%
Technology and Engineering Mgmt	2,959	2,976	-17	-0.6%	79	69	10	14.5%	38	35	3	8.6%	3,076	3,080	-4	-0.1%	3,038	3,045	-7	-0.2%
<b>Div VI Subtotal</b>	<b>17,711</b>	<b>17,652</b>	<b>59</b>	<b>0.3%</b>	<b>589</b>	<b>523</b>	<b>66</b>	<b>12.6%</b>	<b>237</b>	<b>218</b>	<b>19</b>	<b>8.7%</b>	<b>18,537</b>	<b>18,393</b>	<b>144</b>	<b>0.8%</b>	<b>18,300</b>	<b>18,175</b>	<b>125</b>	<b>0.7%</b>
<b>DIVISION VII</b>																				
Power & Energy	31,091	30,520	571	1.9%	5,487	4,521	966	21.4%	457	365	92	25.2%	37,035	35,406	1,629	4.6%	36,578	35,041	1,537	4.4%
<b>DIVISION IX</b>																				
Aerospace & Electronic Systems	4,544	4,601	-57	-1.2%	255	277	-22	-7.9%	29	28	1	3.6%	4,828	4,906	-78	-1.6%	4,799	4,878	-79	-1.6%
Geoscience & Remote Sensing	3,461	3,429	32	0.9%	138	121	17	14.0%	177	214	-37	-17.3%	3,776	3,764	12	0.3%	3,599	3,550	49	1.4%
Information Theory	3,177	3,338	-161	-4.8%	80	78	2	2.6%	28	30	-2	-6.7%	3,285	3,446	-161	-4.7%	3,257	3,416	-159	-4.7%
Intelligent Transportation Systems	1,574	1,532	42	2.7%	48	41	7	17.1%	20	26	-6	-23.1%	1,642	1,599	43	2.7%	1,622	1,573	49	3.1%
Oceanic Engineering	1,738	1,815	-77	-4.2%	73	55	18	32.7%	30	25	5	20.0%	1,841	1,895	-54	-2.8%	1,811	1,870	-59	-3.2%
Signal Processing	16,599	17,838	-1,239	-6.9%	1,046	1,676	-630	-37.6%	189	169	20	11.8%	17,834	19,683	-1,849	-9.4%	17,645	19,514	-1,869	-9.6%
Vehicular Technology	4,321	4,249	72	1.7%	126	123	3	2.4%	21	31	-10	-32.3%	4,468	4,403	65	1.5%	4,447	4,372	75	1.7%
<b>Div IX Subtotal</b>	<b>35,414</b>	<b>36,802</b>	<b>-1,388</b>	<b>-3.8%</b>	<b>1,766</b>	<b>2,371</b>	<b>-605</b>	<b>-25.5%</b>	<b>494</b>	<b>523</b>	<b>-29</b>	<b>-5.5%</b>	<b>37,674</b>	<b>39,696</b>	<b>-2,022</b>	<b>-5.1%</b>	<b>37,180</b>	<b>39,173</b>	<b>-1,993</b>	<b>-5.1%</b>
<b>DIVISION X</b>																				
Computational Intelligence	6,563	7,043	-480	-6.8%	402	715	-313	-43.8%	88	92	-4	-4.3%	7,053	7,850	-797	-10.2%	6,965	7,758	-793	-10.2%
Control Systems	8,635	8,974	-339	-3.8%	285	313	-28	-8.9%	84	77	7	9.1%	9,004	9,364	-360	-3.8%	8,920	9,287	-367	-4.0%
Engineering in Medicine & Biology	9,142	9,318	-176	-1.9%	1,184	1,647	-463	-28.1%	659	978	-319	-32.6%	10,985	11,943	-958	-8.0%	10,326	10,965	-639	-5.8%
Photonics	6,133	5,929	204	3.4%	109	115	-6	-5.2%	199	173	26	15.0%	6,441	6,217	224	3.6%	6,242	6,044	198	3.3%
Robotics & Automation	11,347	11,138	209	1.9%	2,588	2,374	214	9.0%	146	136	10	7.4%	14,081	13,648	433	3.2%	13,935	13,512	423	3.1%
Systems, Man & Cybernetics	4,502	4,495	7	0.2%	160	203	-43	-21.2%	38	46	-8	-17.4%	4,700	4,744	-44	-0.9%	4,662	4,698	-36	-0.8%
<b>Div X Subtotal</b>	<b>46,322</b>	<b>46,897</b>	<b>-575</b>	<b>-1.2%</b>	<b>4,728</b>	<b>5,367</b>	<b>-639</b>	<b>-11.9%</b>	<b>1,214</b>	<b>1,502</b>	<b>-288</b>	<b>-19.2%</b>	<b>52,264</b>	<b>53,766</b>	<b>-1,502</b>	<b>-2.8%</b>	<b>51,050</b>	<b>52,264</b>	<b>-1,214</b>	<b>-2.3%</b>
<b>TOTAL</b>	<b>296,989</b>	<b>299,837</b>	<b>-2,848</b>	<b>-0.9%</b>	<b>23,603</b>	<b>22,110</b>	<b>1,493</b>	<b>6.8%</b>	<b>11,078</b>	<b>12,982</b>	<b>-1,904</b>	<b>-14.7%</b>	<b>331,670</b>	<b>334,929</b>	<b>-3,259</b>	<b>-1.0%</b>	<b>320,592</b>	<b>321,947</b>	<b>-1,355</b>	<b>-0.4%</b>



Women in Engineering (WIE)					Dec '16				
Grade	This Month '16	This Month '15	Year-over-Year		Region	Month '16	Month '15	#	%
			#	%					
Honorary	2	0	2		U.S.	3,474	3,375	99	2.9%
Fellow	103	96	7	7.3%	Canada	425	393	32	8.1%
Senior Member	763	659	104	15.8%	Europe, Middle East, Africa	3,261	2,848	413	14.5%
Member	4538	4026	512	12.7%	Latin America	2,731	2,607	124	4.8%
Associate Member	109	130	(21)	-16.2%	Asia & Pacific	10,485	8,331	2,154	25.9%
Graduate Student	2212	2009	203	10.1%	<b>Total</b>	<b>20,379</b>	<b>17,554</b>	<b>2,822</b>	<b>16.1%</b>
Student	12652	10634	2,018	19.0%					
<b>Total</b>	<b>20,379</b>	<b>17,554</b>	<b>2,825</b>	<b>16.1%</b>					

IEEE Women in Engineering (WIE) membership is only available to IEEE members. WIE membership is free for students, graduate students and life members. Professional members pay a WIE membership fee.

## IEEE STANDARDS ASSOCIATION

IEEE Standards Association				Dec '16					
Grade	This Month '16	This Month '15	Year-over-Year		Region	Month '16	Month '15	#	%
			#	%					
Student	40	54	(14)	-25.9%					
Higher-Grade	6,316	6,263	53	0.8%					
Affiliate	63	66	(3)	-4.5%					
<b>Total</b>	<b>6,419</b>	<b>6,383</b>	<b>36</b>	<b>0.6%</b>					

IEEE Standards Association members (SA members) may also be IEEE members or Society Affiliates. However IEEE or Society membership is not a requirement to join. These individuals join the Standards Association for the benefit of being able to ballot on standards projects and assume leadership roles within a working group.



Membership in IEEE Young Professionals is automatically given to Graduate Students and higher grade members within 15 years of receiving their first professional degree, and higher grade members beyond 15 years who wish to opt in, at no additional cost.

Geographic IEEE Young Professionals Membership - December 2016									
Region	Higher Grade w/o GSM			Students			Total		
	2016	2015	% change	2016	2015	% change	2016	2015	% change
1	4,171	4,465	-6.6%	1,790	1,980	-9.6%	5,961	6,445	-7.5%
2	3,527	4,010	-12.0%	1,614	1,764	-8.5%	5,141	5,774	-11.0%
3	4,059	4,587	-11.5%	2,150	2,216	-3.0%	6,209	6,803	-8.7%
4	3,302	3,698	-10.7%	1,774	1,873	-5.3%	5,076	5,571	-8.9%
5	4,150	4,761	-12.8%	1,729	1,825	-5.3%	5,879	6,586	-10.7%
6	7,842	8,657	-9.4%	2,673	3,101	-13.8%	10,515	11,758	-10.6%
<b>R 1-6</b>	<b>27,051</b>	<b>30,178</b>	<b>-10.4%</b>	<b>11,730</b>	<b>12,759</b>	<b>-8.1%</b>	<b>38,781</b>	<b>42,937</b>	<b>-9.7%</b>
7	3,177	3,678	-13.6%	1,801	1,989	-9.5%	4,978	5,667	-12.2%
8	16,642	18,168	-8.4%	10,529	11,580	-9.1%	27,171	29,748	-8.7%
9	3,408	4,024	-15.3%	1,368	1,525	-10.3%	4,776	5,549	-13.9%
10	19,755	20,654	-4.4%	16,610	15,598	6.5%	36,365	36,252	0.3%
<b>R 7-10</b>	<b>42,982</b>	<b>46,524</b>	<b>-7.6%</b>	<b>30,308</b>	<b>30,692</b>	<b>-1.3%</b>	<b>73,290</b>	<b>77,216</b>	<b>-5.1%</b>
<b>TOTAL</b>	<b>70,033</b>	<b>76,702</b>	<b>-8.7%</b>	<b>42,038</b>	<b>43,451</b>	<b>-3.3%</b>	<b>112,071</b>	<b>120,153</b>	<b>-6.7%</b>



## ETA KAPPA NU

*Electrical and Computer Engineering Honor Society*

Active IEEE Members that belong to Eta Kappa Nu:

Geographic IEEE HKN Membership - December 2016									
Region	Higher Grade w/o GSM			Students			Total		
	2016	2015	% change	2016	2015	% change	2016	2015	% change
1	1,261	1,228	2.7%	578	477	21.2%	1,839	1,705	7.9%
2	1,190	1,177	1.1%	448	412	8.7%	1,638	1,589	3.1%
3	1,248	1,207	3.4%	562	627	-10.4%	1,810	1,834	-1.3%
4	926	915	1.2%	513	510	0.6%	1,439	1,425	1.0%
5	1,314	1,290	1.9%	551	599	-8.0%	1,865	1,889	-1.3%
6	1,663	1,610	3.3%	794	738	7.6%	2,457	2,348	4.6%
<b>R 1-6</b>	<b>7,602</b>	<b>7,427</b>	<b>2.4%</b>	<b>3,446</b>	<b>3,363</b>	<b>2.5%</b>	<b>11,048</b>	<b>10,790</b>	<b>2.4%</b>
7	36	39	-7.7%	7	13	-46.2%	43	52	-17.3%
8	85	84	1.2%	36	35	2.9%	121	119	1.7%
9	54	57	-5.3%	53	79	-32.9%	107	136	-21.3%
10	131	105	24.8%	90	72	25.0%	221	177	24.9%
<b>R 7-10</b>	<b>306</b>	<b>285</b>	<b>7.4%</b>	<b>186</b>	<b>199</b>	<b>-6.5%</b>	<b>492</b>	<b>484</b>	<b>1.7%</b>
<b>TOTAL</b>	<b>7,908</b>	<b>7,712</b>	<b>2.5%</b>	<b>3,632</b>	<b>3,562</b>	<b>2.0%</b>	<b>11,540</b>	<b>11,274</b>	<b>2.4%</b>

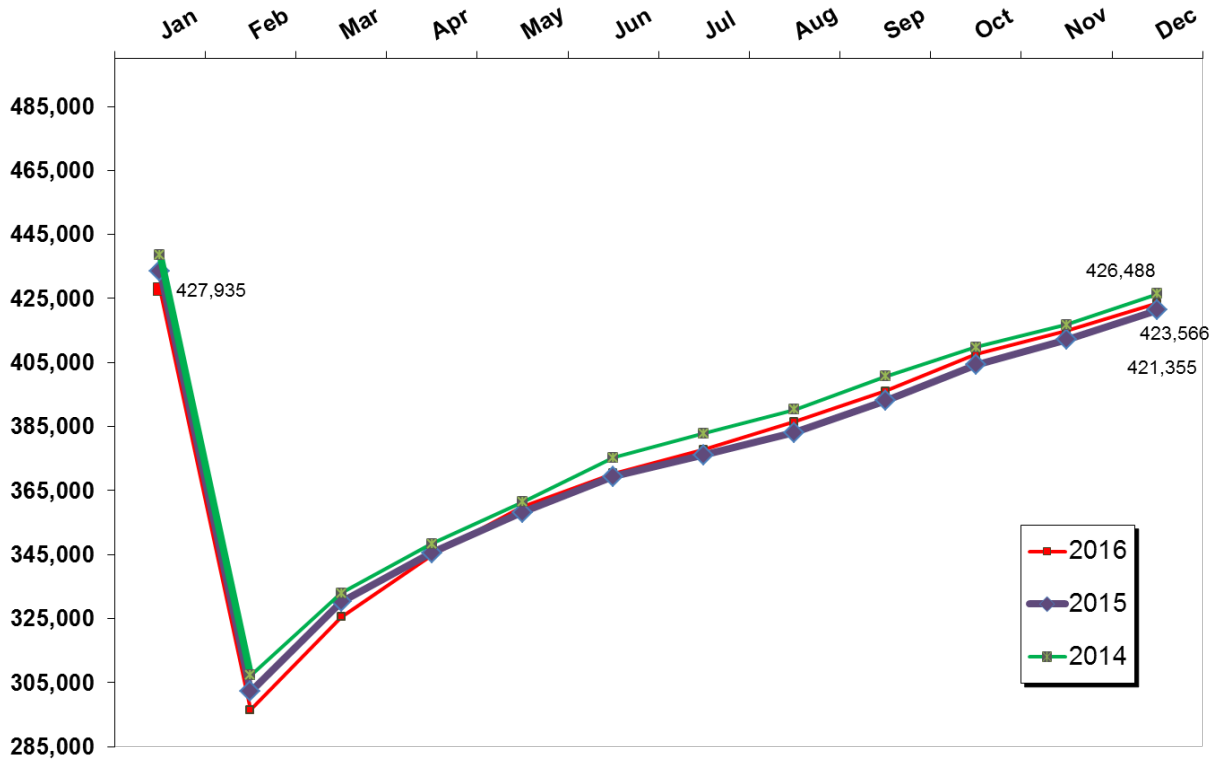
**APPENDIX - YEAR-END STATISTICS**

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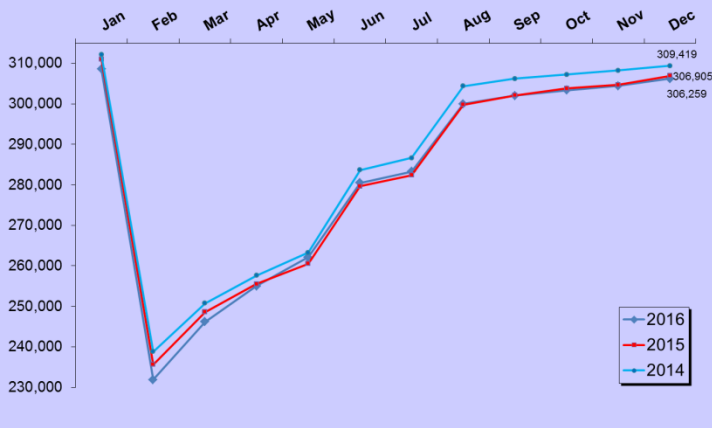
### Year-over-Year by Month: 2014 through 2016

#### TOTAL IEEE MEMBERSHIP



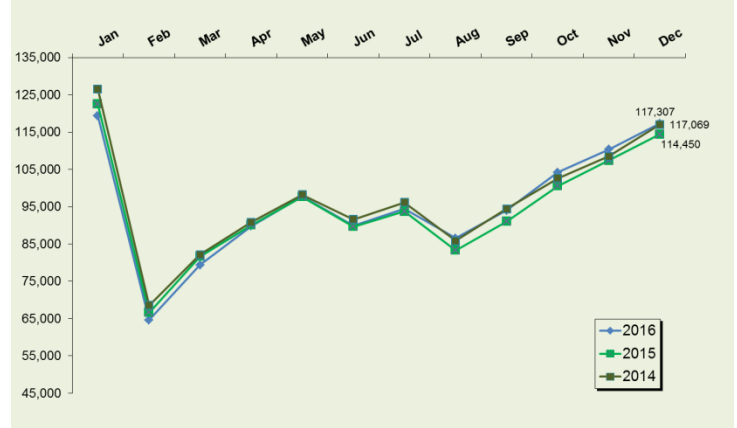
#### TOTAL HIGHER GRADE MEMBERSHIP

(Not Including Graduate Students)



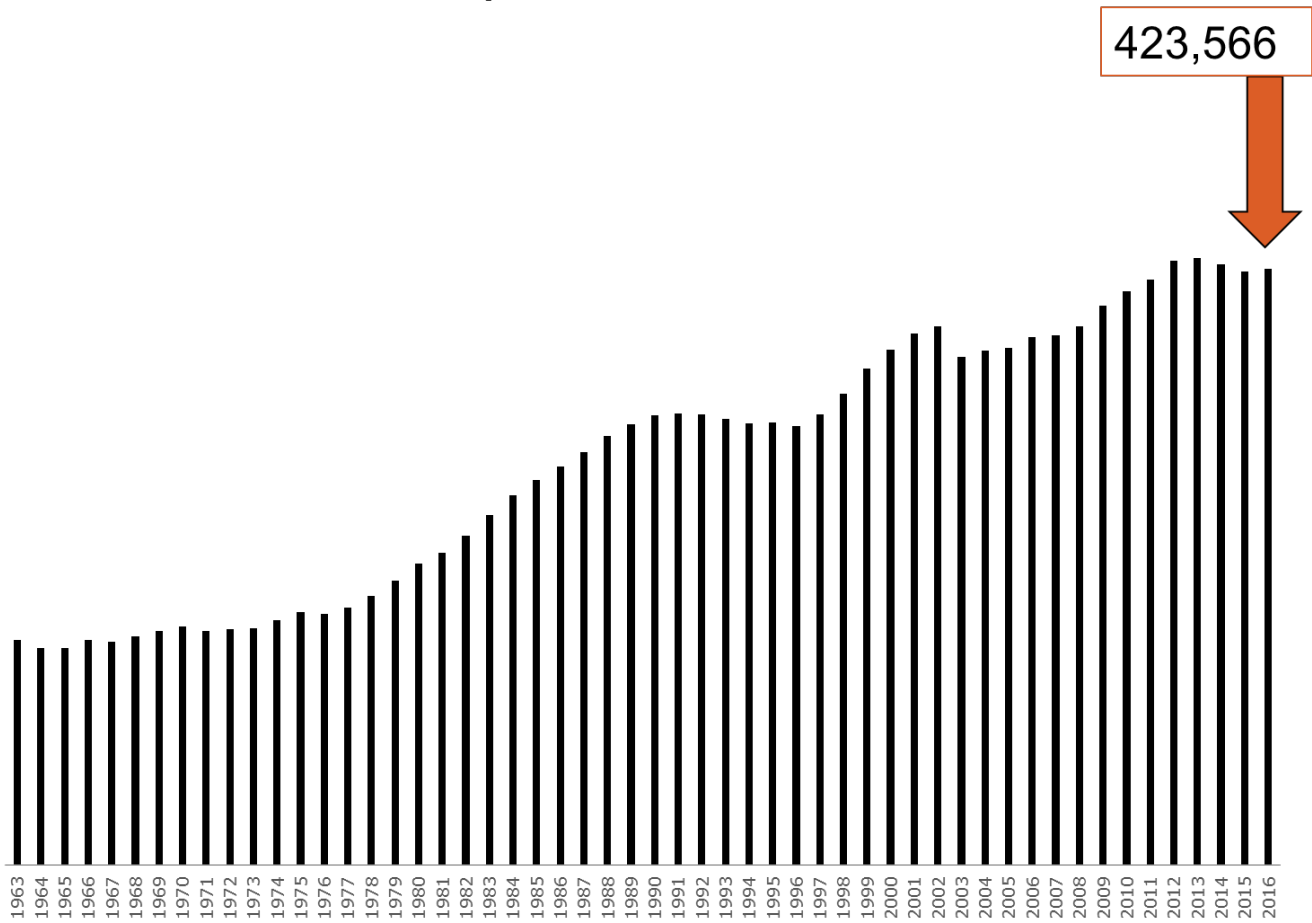
#### TOTAL STUDENT MEMBERSHIP

(Including Graduate Students)



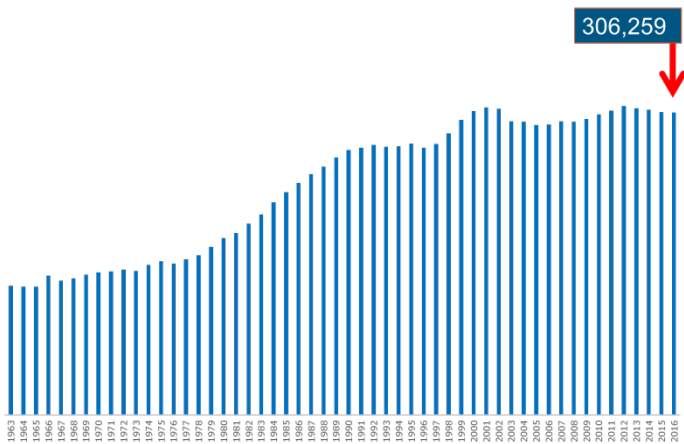


### Historical –Total Membership 1963-2016

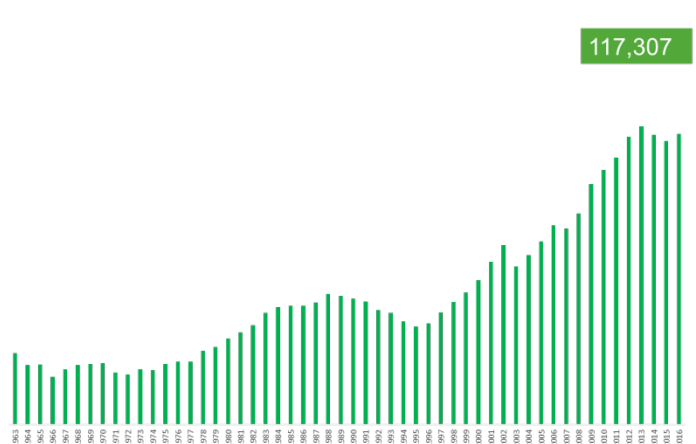


Historical trending counts for higher-grade membership, below, reflect two methodologies of compilation, pre- and post-2003. IEEE updated its processes to require Life Members (LM) to positively affirm their desire to continue membership—which resulted in a noticeable decline in higher-grade membership in 2003. Since 2003, LMs who do not positively affirm continuance are removed from the membership counts annually (this can give the appearance that higher-grade membership growth has slowed in pace compared to pre-2003). The deletion of non-replying LMs, on average 1,500 in total annually, has most impacted higher-grade membership trending in Regions 1-6, where about 87% of all LMs reside.

### Total Higher Grade Membership 1963-2016



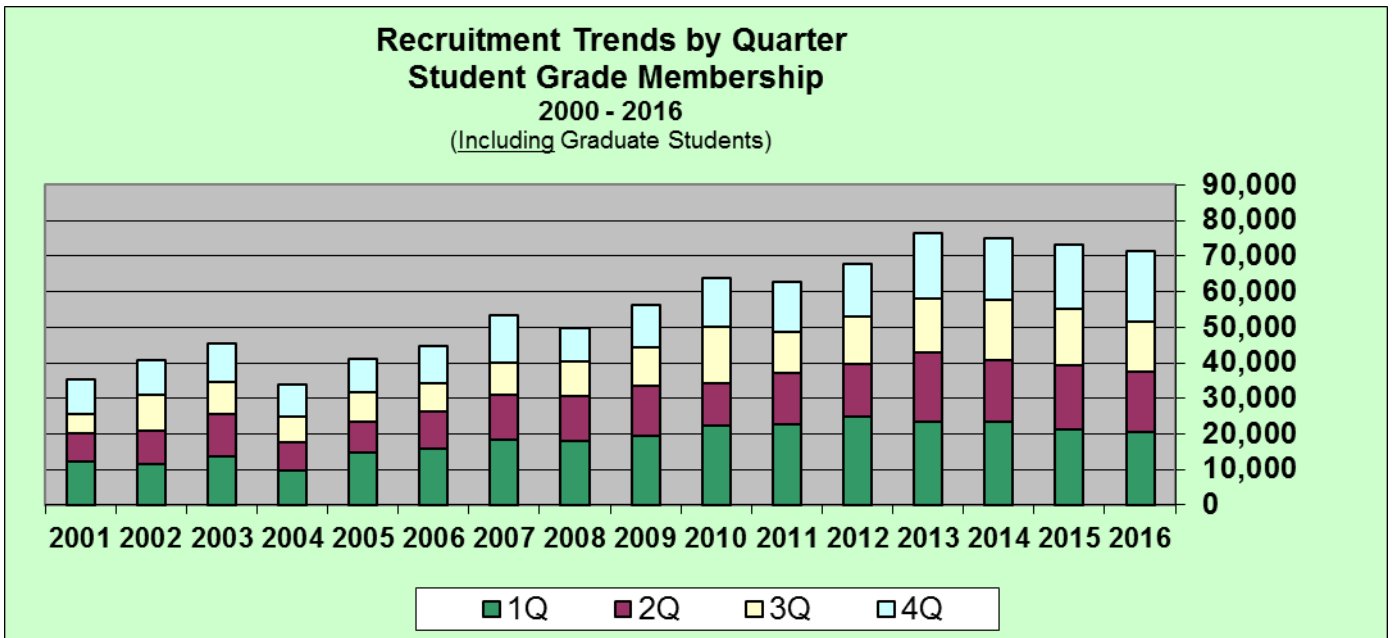
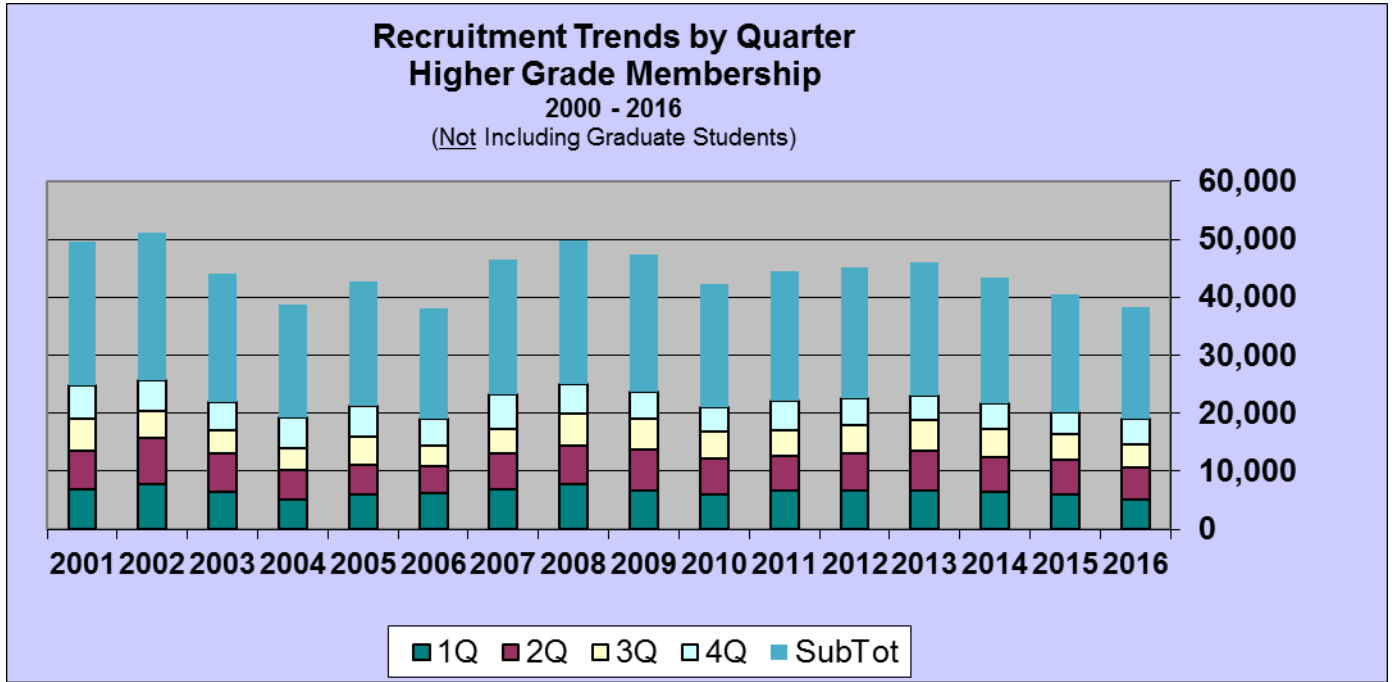
### Total Student Membership 1963-2016





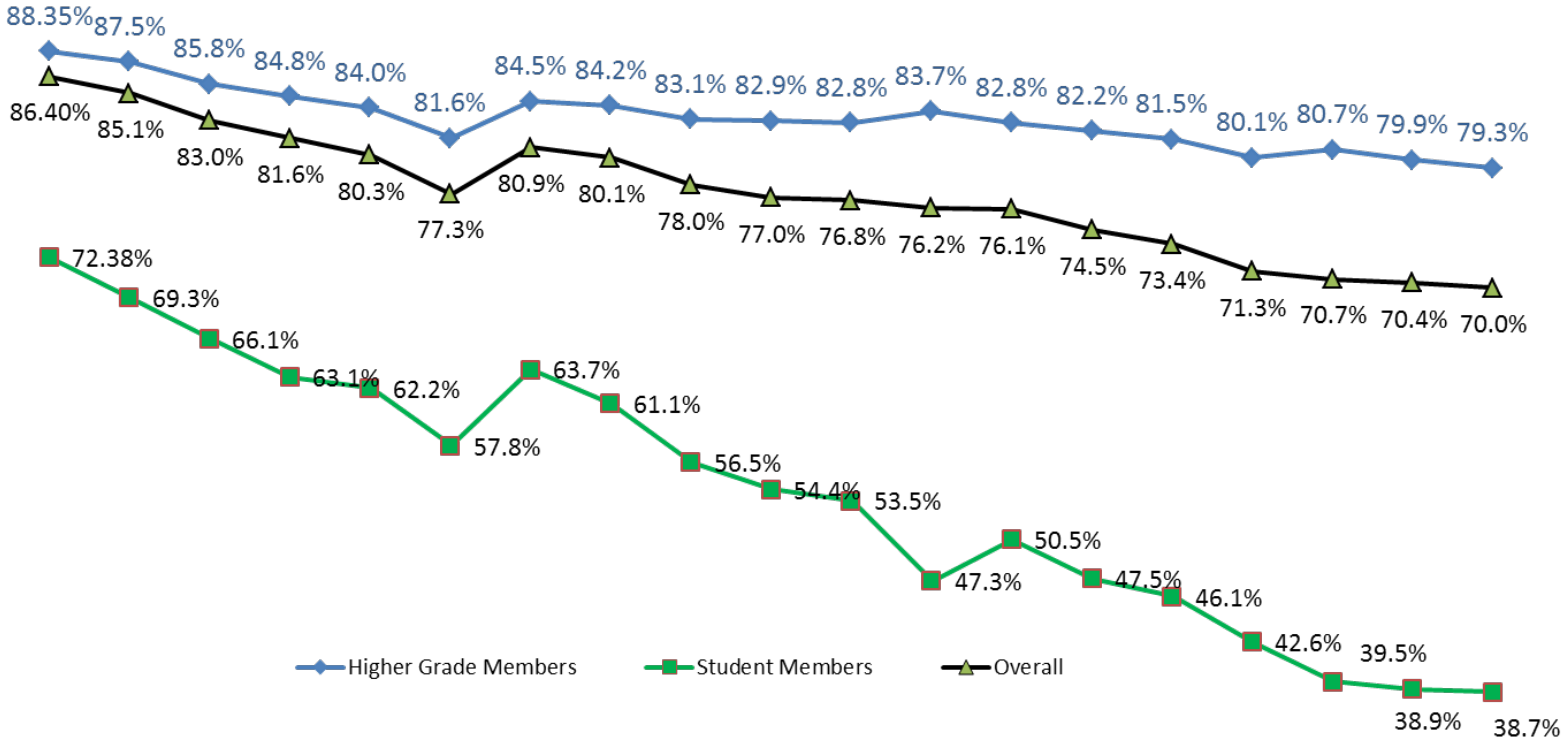


### Recruitment Trends—IEEE Membership

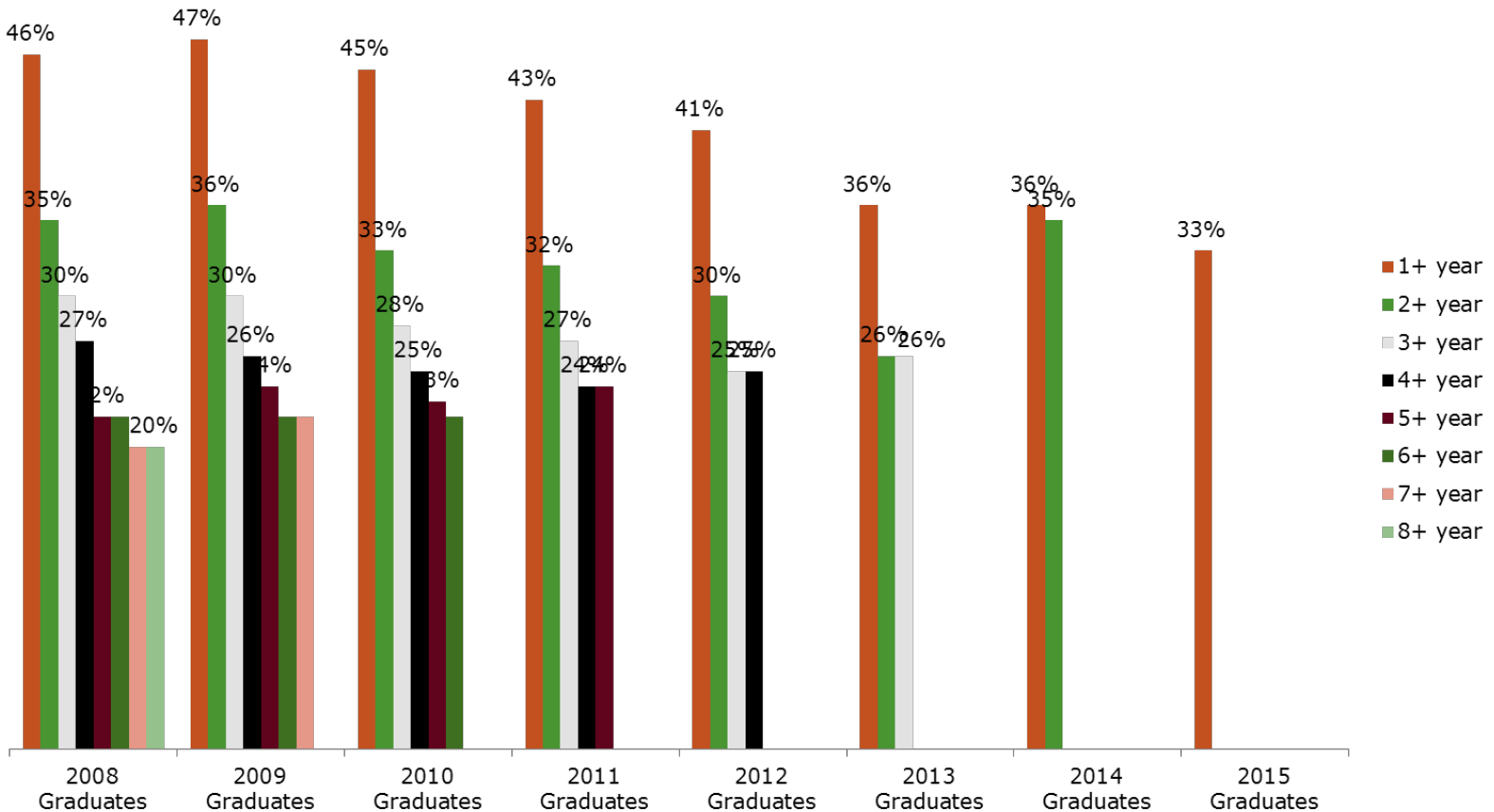




### Retention Trends—IEEE Membership



### Graduating Students – Post Graduation Retention Rates

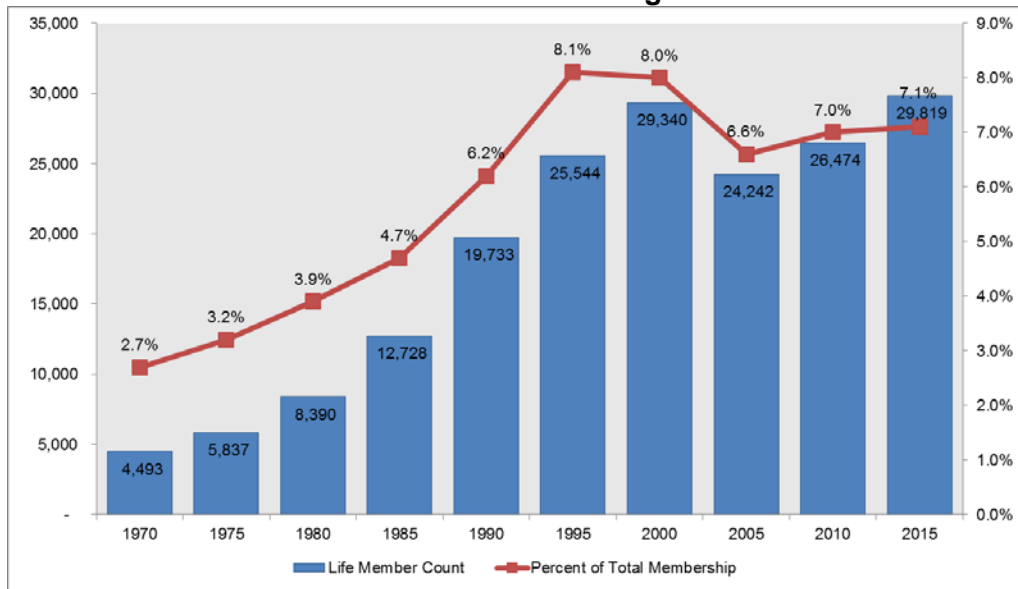




### Life Member Trends—2016

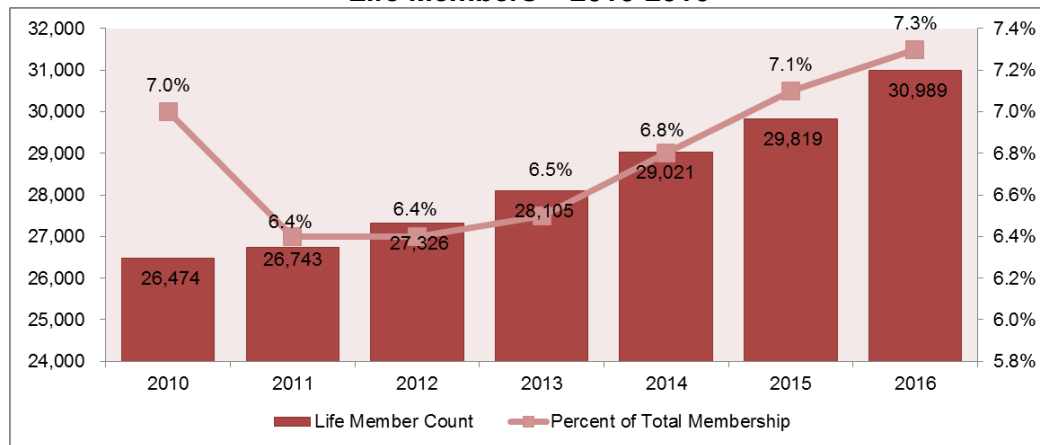
IEEE Life Members - 2016					
Region	Life Member	Life Senior	Life Fellow	Total	% of Total
1	3,724	1,125	508	5,357	17.3%
2	2,915	952	358	4,225	13.6%
3	2,839	1,078	333	4,250	13.7%
4	1,614	525	187	2,326	7.5%
5	2,030	772	199	3,001	9.7%
6	4,977	1,553	637	7,167	23.1%
<b>R 1-6</b>	<b>18,099</b>	<b>6,005</b>	<b>2,222</b>	<b>26,326</b>	<b>85.0%</b>
7	724	307	142	1,173	3.8%
8	926	477	302	1,705	5.5%
9	123	129	20	272	0.9%
10	753	381	379	1,513	4.9%
<b>R 7-10</b>	<b>2,526</b>	<b>1,294</b>	<b>843</b>	<b>4,663</b>	<b>15.0%</b>
<b>total</b>	<b>20,625</b>	<b>7,299</b>	<b>3,065</b>	<b>30,989</b>	
<b>% of tot</b>	<b>66.6%</b>	<b>23.6%</b>	<b>9.9%</b>		

#### Life Member Historical Trending 1970-2015



In 2003, IEEE updated its processes to require Life Members to positively affirm their desire to continue membership, which resulted in a significant one-year decline in 2003. Since 2003, Life Members who do not positively affirm continuance are removed from the membership counts annually. The deletion of non-replying LMs has recently averaged about 1,500 members annually, most impacting higher-grade membership trending in Regions 1-6, where about 85% of all LMs reside.

#### Life Members – 2010-2016



**Top 5 Membership Countries (total membership) – 2006-2016**

\*All data based on primary mailing address.

2016 Rank	Country	2016 Membership	2006 Membership	% Change Since 2006
1	USA	187,215	215,851	-13.3%
2	India	48,889	23,682	106.4%
3	China	17,311	4,312	301.5%
4	Canada	16,311	16,021	1.8%
5	Japan	14,266	12,745	11.9%

**Top 5 Membership Countries – Higher-Grade Membership – 2006-2016**

2016 Rank	Country	2016 HG Membership	2006 HG Membership	% Change Since 2006
1	USA	159,639	188,745	-15.4%
2	India	14,783	7,100	108.2%
3	Canada	12,850	12,433	3.4%
4	Japan	12,457	11,397	9.3%
5	China	11,134	3,044	265.8%

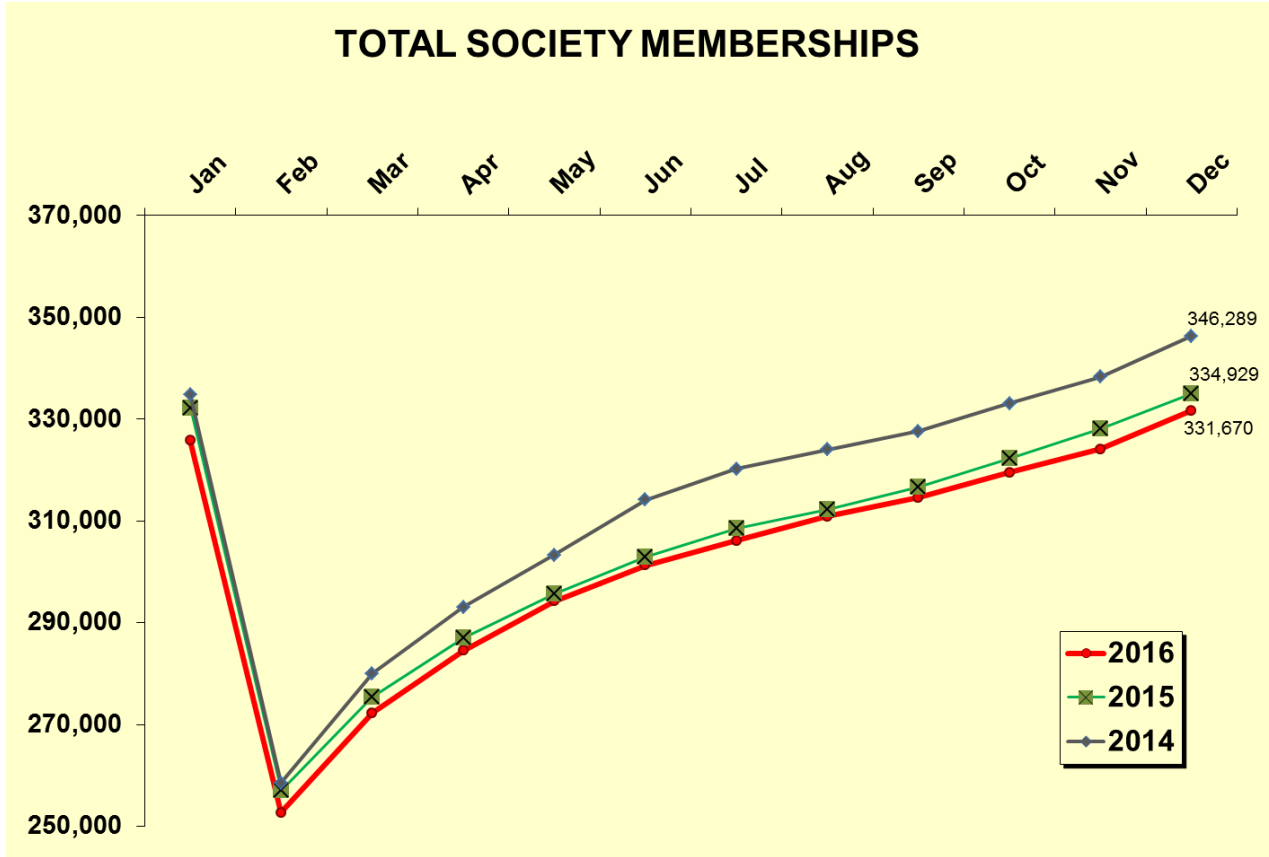
Note: India HG growth almost completely due to e-Membership in 2011. Prior to e-Membership India had been in decline.

**Top 5 Membership Countries – Student Membership – 2006-2016**

2016 Rank	Country	2016 STU	2006 STU	% Change Since 2006
1	India	34,106	16,582	105.7%
2	USA	27,576	27,106	1.7%
3	China	6,177	1,268	387.1%
4	Canada	3,461	3,587	-3.5%
5	United Kingdom and Ireland	2,253	2,207	2.1%



### IEEE & Total Society Memberships



### IEEE Society Memberships Trend Compared to IEEE Membership Trends





### Number of Society Memberships Held—2015-2016

No. Of Society Memberships Held	2015 #	2015 %	2016 #	2016 %
<b>1</b>	138,228	32.8%	142,256	33.6%
<b>2</b>	43,242	10.3%	42,100	9.9%
<b>3-5</b>	23,393	3.6%	22,741	5.3%
<b>6-15</b>	2,173	0.5%	2,063	0.5%
<b>16+</b>	39	0.0%	42	0.0%
<b>Total with a Society Membership(s)</b>	<b>207,075</b>	<b>49.1%</b>	<b>209,186</b>	<b>49.4%</b>
<b>Total without a Society Membership(s)</b>	<b>214,280</b>	<b>50.9%</b>	<b>214,380</b>	<b>50.6%</b>

### Percentage of IEEE Members Holding a Society Membership

