



This membership development report is issued monthly on behalf of the IEEE Member & Geographic Activities Board. Source data is IEEE membership statistics. Contact: John Day, j.day@ieee.org

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| Snapshot | January '09 vs. '08 | % Change | Jan '09 | Jan '08 | Dec '08 | % Change Dec'08-Jan '09 |
|--|---------------------|---|----------------|----------------|----------------|-------------------------|
| IEEE Membership | 7,788 | + 2.0% | 391,560 | 383,772 | 382,400 | + 1.0% |
| • Fellow | 210 | + 3.3% | 6,514 | 6,304 | 6,222 | + 4.7% |
| • Senior Member | 1,021 | + 3.4% | 31,042 | 30,021 | 31,041 | - |
| • Member | 4,117 | + 1.7% | 243,383 | 239,266 | 240,581 | + 1.7% |
| • Associate Member | 3,723 | -16.1% | 19,453 | 23,176 | 19,294 | + 0.8% |
| • Graduate Student | 4,081 | +13.7% | 33,918 | 29,837 | 31,127 | + 9.0% |
| • Undergraduate Student | 2,082 | + 3.8% | 57,222 | 55,140 | 54,088 | + 5.8% |
| Society Memberships (including Affiliates) | 7,561 | - 2.3% | 319,631 | 327,192 | 336,878 | - 5.1% |
| • 22 Societies up | 2,432 | Sum of respective Societies' gains and losses. January's data for Societies reflect aggregate cancellations during the renewal period, September through January. | | | | |
| • 16 Societies down | 9,993 | | | | | |

Notes: Modifications to the IEEE fiscal calendar in 2009 may result in some monthly, year-over-year analyses being skewed, though totals will true-up in December. For January 2009, the period / data are increased by 7 days.

| Membership Development Calendar | Recommended MD Volunteer Activity | | |
|---------------------------------|--|--|---|
| | RECRUITMENT ACTIVITIES | RECOVERY ACTIVITIES | RESOURCES |
| February | <p>Make recovery-related activities your 1st priority & focus (next column) ></p> <p>Section MD Officer – Disseminate membership materials at all section meetings and local events.</p> <p>The ½-year dues period begins in March. Plan events and special local outreaches to promote joining IEEE.</p> | <p>Section MD Officer – MD Staff is forwarding lists of un-renewed members. Real-time status of past-due members available in SAMIEEE to all Regional, Section, and Society MD officers. Develop communications plan for local outreach to members who go into Arrears, in March.</p> | <p><u>MD Portal</u></p> <p>www.ieee.org/md</p> <ul style="list-style-type: none"> ➤ PowerPoint presentation on Membership ➤ Statistical Reports ➤ Virtual community ➤ IEEE MD Manual |
| March | <p> ½-Year Dues Cycle – IEEE HQ begins accepting ½-price dues for present year of service. Individuals who join IEEE in March receive 10-months of membership for the price of 6. Incorporate message into outreach.</p> <p>Make recovery-related activities your 1st priority & focus (next column) ></p> | <p>Section MD Officer – Real-time status of past-due members available in SAMIEEE to all Regional, Section, and Society MD officers. Develop and execute local communications to members in Arrears.</p> | <p><u>MD Supplies</u></p> <p>www.ieee.org/md-supplies</p> |
| April | <p>Make recovery-related activities your 1st priority & focus (next column) ></p> <p>Section MD Officer – Disseminate membership materials at all section meetings and local events.</p> | <p>Section MD Officer – Real-time status of past-due members available in SAMIEEE to all Regional, Section, and Society MD officers. Develop and execute local communications to members in Arrears.</p> | |



➤ Renewal & Retention (cont.)

Through January 2009 we have renewed 227,951 members, 64.2% of our total opportunity for renewal. Considering our total member retention-rate last year was 76.8%, we will need to renew another 13% of the membership before the end of the membership year (15 August) to match last year’s retention. We estimate 22,500 – 25,000 renewals will come in February alone, a retention pick-up of 6.5% - 7.0%.

Our goal in 2009, however, is to improve member retention over 2008. While the chart below chronicles renewal accomplishments, it always looks back in time. The MD team is taking a proactive approach to member retention by establishing and tracking against improved retention goals (see next page). To the support the global effort, the MD Staff team is launching additional and enhanced retention campaigns, enabling Section communications with lists of un-renewed members, and engaging the IEEE Contact Center for courtesy calls to un-renewed, higher-grade members (read more on page 4).

Renewal Snapshot

| Renewal by Region: 2009 Membership Year - January 2009 | | | | | | | | | |
|---|----------------------|----------------|--------------|-------------------------|---------------|--------------|----------------|----------------|--------------|
| REGION | HIGHER GRADE MEMBERS | | | STUDENT MEMBERS W/ GSMs | | | TOTAL MEMBERS | | |
| | Opportunity | # Renewed | % Renewed | Opportunity | # Renewed | % Renewed | Opportunity | # Renewed | % Renewed |
| 1 | 32,339 | 24,218 | 74.9% | 3,136 | 1,510 | 48.2% | 35,475 | 25,728 | 72.5% |
| 2 | 27,613 | 21,052 | 76.2% | 3,010 | 1,469 | 48.8% | 30,623 | 22,521 | 73.5% |
| 3 | 24,633 | 18,337 | 74.4% | 4,104 | 1,915 | 46.7% | 28,737 | 20,252 | 70.5% |
| 4 | 18,837 | 14,031 | 74.5% | 3,008 | 1,522 | 50.6% | 21,845 | 15,553 | 71.2% |
| 5 | 24,047 | 17,926 | 74.5% | 2,986 | 1,338 | 44.8% | 27,033 | 19,264 | 71.3% |
| 6 | 50,351 | 37,045 | 73.6% | 4,906 | 2,556 | 52.1% | 55,257 | 39,601 | 71.7% |
| R 1-6 | 177,820 | 132,609 | 74.6% | 21,150 | 10,310 | 48.7% | 198,970 | 142,919 | 71.8% |
| 7 | 12,310 | 8,891 | 72.2% | 2,823 | 1,618 | 57.3% | 15,133 | 10,509 | 69.4% |
| 8 | 45,222 | 30,758 | 68.0% | 16,567 | 7,028 | 42.4% | 61,789 | 37,786 | 61.2% |
| 9 | 6,408 | 3,708 | 57.9% | 7,147 | 1,099 | 15.4% | 13,555 | 4,807 | 35.5% |
| 10 | 40,731 | 27,177 | 66.7% | 25,057 | 4,753 | 19.0% | 65,788 | 31,930 | 48.5% |
| R 7-10 | 104,671 | 70,534 | 67.4% | 51,594 | 14,498 | 28.1% | 156,265 | 85,032 | 54.4% |
| TOTAL | 282,491 | 203,143 | 71.9% | 72,744 | 24,808 | 34.1% | 355,235 | 227,951 | 64.2% |

Reading this Chart

Each Region’s renewal “opportunity” is based on their respective membership totals at the end of the 2008 membership year, in August. For example, when the 2008 membership year concluded in August, Region 3 had a total of 24,633 higher-grade members eligible for renewal. Through January 2009, 18,337 of those members (74.4%) had renewed their 2009 membership.

Establishing Retention Goals & Measuring Progress

Establishing retention goals allows us to measure progress against a year-end objective, and assess new opportunities for improving member engagement and the overall member experience—be that experience local, with benefits and membership processes, or peer-to-peer. In 2009, our goal is to improve higher-grade member retention by 2%, and improve student-grade retention by 0.5%. The goals in the chart below represent the desired improvements in retention based on (1) last year’s retention rate for each Region, and (2) each Region’s renewal opportunity for 2009. Through August, we will plot monthly retention gains against our 2009 goals.

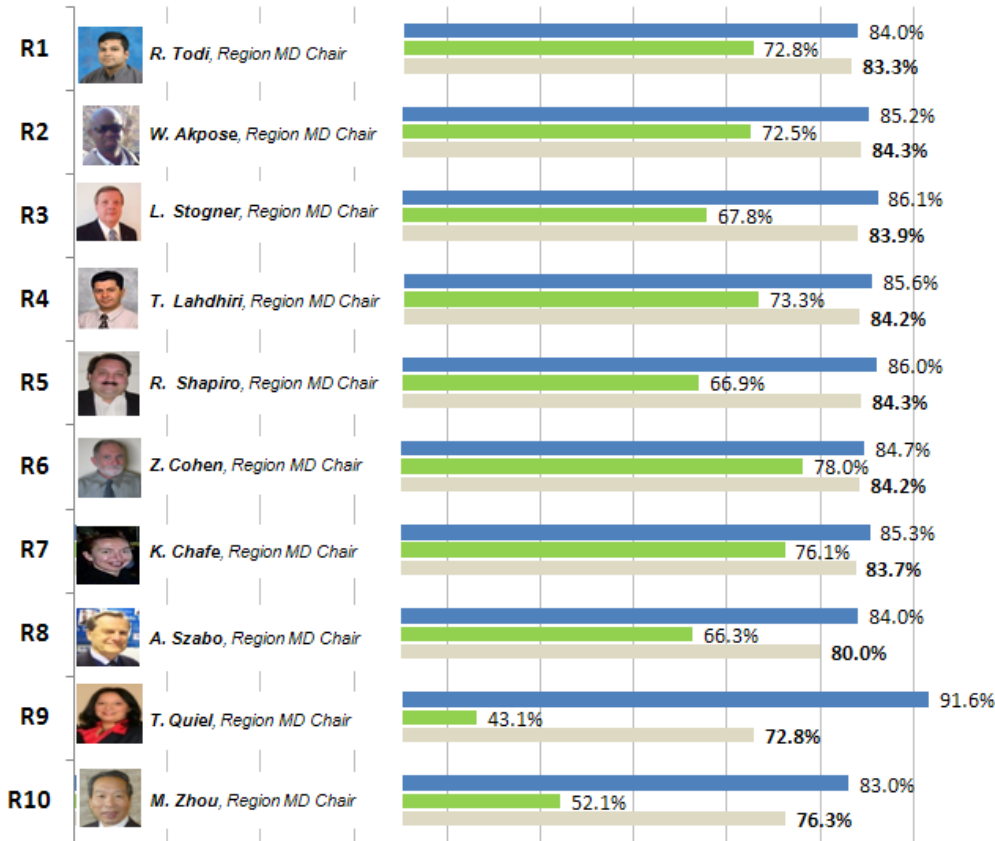
2009 Retention Goals & Progress - January 2009

2009 membership year concludes 15 August 2009

Renewals (% of Goal): HG 203,143 (84.8%) ST 24,808 (64.1%) Total 227,951 (81.9%)

| 2009 RETENTION GOALS | | |
|----------------------|--------|---------|
| HG | ST | Total |
| 239,650 | 38,675 | 278,325 |

Progress key:
■ Higher Grade - % Goal Achieved
■ Students - % Goal Achieved
■ Total Members - % Goal Achieved



| Goals by Region | | | |
|-----------------|---------|--------|-----|
| Higher-Grade | Student | Total | |
| 28,825 | 2,075 | 30,900 | R1 |
| 24,700 | 2,025 | 26,725 | R2 |
| 21,300 | 2,825 | 24,125 | R3 |
| 16,400 | 2,075 | 18,475 | R4 |
| 20,850 | 2,000 | 22,850 | R5 |
| 43,750 | 3,275 | 47,025 | R6 |
| 10,425 | 2,125 | 12,550 | R7 |
| 36,625 | 10,600 | 47,225 | R8 |
| 4,050 | 2,550 | 6,600 | R9 |
| 32,725 | 9,125 | 41,850 | R10 |

Note: All student counts combine graduate and undergraduate members

As per progress, we are faring better with higher-grade members; through January, all Regions had met or exceeded 83% of goal. Student-member retention remains a challenge, which has near-term impact (student retention rates) and longer-term consequences (elevation to higher-grade members) on our overall success in growing membership. Renewal rates for graduate vs. undergraduate students differ significantly, causing disparate results in total student retention across the Regions. For further insight into the impact of student membership on MD, see page 6.



During the arrears-recovery phase of the membership year, the MD Volunteer and Staff teams will be launching a multi-channel outreach to bolster retention.

Lists of Non-Renewed (pre-Arrears) Members Assembled & Sent to all Sections

All Sections can make a difference with arrears recovery. To enable Sections to conduct local outreaches to members who have not renewed their 2009 membership, the MGA MD Staff is running lists in February of all un-renewed members by Section, and sending these lists to the respective Section leadership. The Staff communications will also include instructions for how the Sections Volunteer leadership can gain real-time access to the renewal status of members within their Section. Launching a local recovery drive is a great opportunity to make contact with members, and educate them about the vast resources IEEE offers with job placement and career development during these difficult economic times.

125th Anniversary Renewal Incentive Drawing Now Offered

The MGA launched a new incentive in January to reward individuals who have renewed their 2009 membership. In a random drawing of all members who have renewed before 1 May, the IEEE will award 125 Visa gift certificates of USD\$100. The drawing will take place on IEEE’s birthday, 13 May.



“Last Issue” Cover Wrap to Appear on IEEE Spectrum

As is customary with many magazines, a cover wrapper informs readers their last issue has arrived, pending renewal. The March issue of IEEE Spectrum will carry such a cover wrapper for all members who have not renewed their membership.



The 125th Anniversary renewal incentive drawing and promotion of several benefits are incorporated into the cover-wrap’s design.

New Arrears Campaign to Commence in March

While e-mail campaigns have been historically the mainstay of the MD Staff’s arrears recovery effort, a new post card campaign will augment the outreach. Featuring a peer-to-peer message from Joe Lillie, VP of the Member & Geographic Activities Board, the postcard will be mailed in March to all higher-grade members worldwide in arrears.



IEEE Contact Center Making Courtesy Calls

The IEEE Contact Center will outreach to select groups of members who have not renewed their membership, beginning with Fellows and Senior members. The calls will continue through May.



Update – Member-get-a-Member Program

IEEE Member-get-a-Member program is a peer-to-peer recruitment activity offered exclusively to IEEE members. The program is publicized through MD Kits to Volunteers, and with personalized MGM cards mailed to every member who joins and renews.

IEEE Member-get-a-Member Program
www.ieee.org/mgm

January 2009
Congratulations to this Month's Double-Digit Recruiters!

| | | | | | |
|--|--|--|--|---|---|
| | Anil Garlapati 45 members Hyderabad Sec. R-10 | M. Venkateshkumar 30 members Madras Sec. R-10 | Krishna S. 25 members Bangalore Sec. R-10 | Brisa Ruiz 24 members Mexico Sec. R-9 | Shanmugasu NDRAM 20 members Madras Sec. R-10 |
| | Aditya Patel 18 members Delhi Sec. R-10 | Rajesh Patel 18 members Gujarat Sec. R-10 | Davis Abraham 16 members Kerala Sec. R-10 | Ahmed Khalil 16 members Egypt Sec. R-8 | Kashish Jhamb 15 members Delhi Sec. R-10 |
| | Ahmed Khaled 12 members Egypt Sec. R-8 | Srikanth V.M. 11 members Bangalore Sec. R-10 | Venugopal Vn 10 members Bangalore Sec. R-10 | Mohammad Khafagy 10 members Egypt Sec. R-8 | Amr Eldeeb 10 members Egypt Sec. R-8 |
| | Saad Algarni 10 members Saudi Arabia Sec. R-8 | Mohammed Haleem 10 members Egypt Sec. R-8 | Ghada Mohamed 10 members Egypt Sec. R-8 | | |

2009 MGM Program Trend

4,111 recruited through Jan

| Month | MGM Recruitment Count | % Total Recruitment |
|-------|-----------------------|---------------------|
| SEP | ~800 | ~15% |
| OCT | ~1,000 | 20% |
| NOV | ~800 | ~15% |
| DEC | 1,500 | ~18% |
| JAN | ~1,000 | ~15% |
| FEB | 0 | 0% |
| MAR | 0 | 0% |
| APR | 0 | 0% |
| MAY | 0 | 0% |
| JUN | 0 | 0% |
| JUL | 0 | 0% |
| AUG | 0 | 0% |

Update - Recruitment & Recovery Campaigns

The adjacent scorecard summarizes results through January of direct outreach campaigns developed and launched by the MD Staff in partnership with IEEE's Data & Process Management team.

Incomplete Applications Campaign – Follow-up outreach with individuals who began the process of joining on-line but didn't complete the application. E-mail effort.

Last Notice Campaign – In accordance with IEEE bylaws, a final notice to all members who did not renew their 2008 membership. E-mail and print effort.

Reinstatement Campaign – Outreach to former members whose membership lapsed in '06 and '07. E-mail and print effort.

| SCORECARD | | | |
|---|--------------------|---------------------|----------------|
| Recruitment & Recovery Campaigns | | | |
| Campaign & Timeframe | CUMULATIVE RESULTS | | |
| | IEEE Memberships | Society Memberships | Product Orders |
| Incomplete Applications 7 Sep – 31 Jan | 5,119 | 1,533 | 855 |
| 2008 Last Notice 6 Oct – 31 Jan | 2,399 | 1,539 | 788 |
| 2006/2007 Reinstatement 2 Sep – 31 Jan | 3,381 | 2,697 | 1,171 |
| TOTAL | 10,899 | 5,769 | 2,814 |

| Membership by Region – January 2009 | | | | | | | | | | | | | | | | |
|-------------------------------------|----------------|----------------|--------------|-------------|-------------------|---------------|--------------|--------------|------------------------|---------------|--------------|-------------|----------------|----------------|--------------|-------------|
| | PROFESSIONALS | | | | GRADUATE STUDENTS | | | | UNDERGRADUATE STUDENTS | | | | TOTAL MEMBERS | | | |
| REGION | 2009 | 2008 | Change | | 2009 | 2008 | Change | | 2009 | 2008 | Change | | 2009 | 2008 | Change | |
| | | | # | % | | | # | % | | | # | % | | | # | % |
| 1 | 33,493 | 34,018 | -525 | -1.5% | 1,883 | 1,892 | -9 | -0.5% | 2,156 | 2,425 | -269 | -11.1% | 37,532 | 38,335 | -803 | -2.1% |
| 2 | 28,735 | 28,846 | -111 | -0.4% | 1,749 | 1,686 | 63 | 3.7% | 2,113 | 2,111 | 2 | 0.1% | 32,597 | 32,643 | -46 | -0.1% |
| 3 | 25,981 | 26,089 | -108 | -0.4% | 2,212 | 2,048 | 164 | 8.0% | 2,925 | 3,086 | -161 | -5.2% | 31,118 | 31,223 | -105 | -0.3% |
| 4 | 19,592 | 20,021 | -429 | -2.1% | 1,712 | 1,578 | 134 | 8.5% | 2,214 | 2,220 | -6 | -0.3% | 23,518 | 23,819 | -301 | -1.3% |
| 5 | 25,405 | 25,460 | -55 | -0.2% | 1,607 | 1,450 | 157 | 10.8% | 2,218 | 2,484 | -266 | -10.7% | 29,230 | 29,394 | -164 | -0.6% |
| 6 | 52,763 | 53,494 | -731 | -1.4% | 3,049 | 2,852 | 197 | 6.9% | 3,328 | 3,595 | -267 | -7.4% | 59,140 | 59,941 | -801 | -1.3% |
| R 1-6 | 185,969 | 187,928 | -1,959 | -1.0% | 12,212 | 11,506 | 706 | 6.1% | 14,954 | 15,921 | -967 | -6.1% | 213,135 | 215,355 | -2,220 | -1.0% |
| 7 | 13,116 | 12,759 | 357 | 2.8% | 1,761 | 1,623 | 138 | 8.5% | 1,656 | 1,810 | -154 | -8.5% | 16,533 | 16,191 | 341 | 2.1% |
| 8 | 49,378 | 47,714 | 1,664 | 3.5% | 9,364 | 8,249 | 1,115 | 13.5% | 10,307 | 10,264 | 43 | 0.4% | 69,049 | 66,227 | 2,822 | 4.3% |
| 9 | 7,489 | 7,637 | -148 | -1.9% | 1,329 | 1,330 | -1 | -0.1% | 6,846 | 6,652 | 194 | 2.9% | 15,664 | 15,619 | 45 | 0.3% |
| 10 | 44,468 | 42,757 | 1,711 | 4.0% | 9,252 | 7,129 | 2,123 | 29.8% | 23,459 | 20,493 | 2,966 | 14.5% | 77,179 | 70,379 | 6,800 | 9.7% |
| R 7-10 | 114,451 | 110,867 | 3,584 | 3.2% | 21,706 | 18,331 | 3,375 | 18.4% | 42,268 | 39,219 | 3,049 | 7.8% | 178,425 | 168,416 | 10,009 | 5.9% |
| TOTAL | 300,420 | 298,795 | 1,625 | 0.5% | 33,918 | 29,837 | 4,081 | 13.7% | 57,222 | 55,140 | 2,082 | 3.8% | 391,560 | 383,771 | 7,788 | 2.0% |

Student Membership Differentiation & Membership Development

Beginning in January 2009, charting for active membership by Region will break out the student membership counts to show our graduate and undergraduate student members separately. Trending this data separately helps us better understand the impact of IEEE’s introducing the graduate-student member (GSM) grade a couple years ago, and provides a data point for consideration when developing new benefits and membership development initiatives.

From a membership development perspective, student membership is a primary “feeder channel” into our ranks of professional members, with about 25,000 student members elevating annually. Improving student member retention increases the likelihood of eventual elevation. Within the student membership, last year’s data showed that GSMs renewed their membership at a rate of 2-to-1 compared to undergraduate student members. Consequently, Regions that have a *lower proportion* of GSMs are likely to experience lower retention rates in their total student membership. Regions 9 and 10 are most impacted by this phenomenon.

➤ Society & Special Interest Memberships

| 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 | |
|--|--|---------------|-------------|--------------|----------------------|--------------|-------------|---------------|--------------------|------------|-----------|---------------|----------------------------------|---------------|-------------|--------------|-------------------------------------|---------------|---------------|--------------|
| | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % |
| DIVISION I | | | | | | | | | | | | | | | | | | | | |
| Circuits & Systems | 9,672 | 10,014 | -342 | -3.4% | 463 | 555 | -92 | -16.6% | 50 | 33 | 17 | 51.5% | 10,185 | 10,602 | -417 | -3.9% | 10,135 | 10,569 | -434 | -4.1% |
| Electron Devices | 10,030 | 10,079 | -49 | -0.5% | 413 | 412 | 1 | 0.2% | 51 | 35 | 16 | 45.7% | 10,494 | 10,526 | -32 | -0.3% | 10,443 | 10,491 | -48 | -0.5% |
| Solid-State Circuits | 10,707 | 11,191 | -484 | -4.3% | 239 | 329 | -90 | -27.4% | 75 | 47 | 28 | 59.6% | 11,021 | 11,567 | -546 | -4.7% | 10,946 | 11,520 | -574 | -5.0% |
| Div I Subtotal | 30,409 | 31,284 | -875 | -2.8% | 1,115 | 1,296 | -181 | -14.0% | 176 | 115 | 61 | 53.0% | 31,700 | 32,695 | -995 | -3.0% | 31,524 | 32,580 | -1,056 | -3.2% |
| DIVISION II | | | | | | | | | | | | | | | | | | | | |
| Components, Packaging & Mfg Tech | 2,564 | 2,684 | -120 | -4.5% | 63 | 75 | -12 | -16.0% | 16 | 10 | 6 | 60.0% | 2,643 | 2,769 | -126 | -4.6% | 2,627 | 2,759 | -132 | -4.8% |
| Dielectrics & Electrical Insulation | 1,966 | 1,895 | 71 | 3.7% | 41 | 46 | -5 | -10.9% | 23 | 10 | 13 | 130.0% | 2,030 | 1,951 | 79 | 4.0% | 2,007 | 1,941 | 66 | 3.4% |
| Industry Applications | 9,624 | 9,528 | 96 | 1.0% | 164 | 168 | -4 | -2.4% | 40 | 21 | 19 | 90.5% | 9,828 | 9,717 | 111 | 1.1% | 9,788 | 9,696 | 92 | 0.9% |
| Instrumentation & Measurements | 4,629 | 4,587 | 42 | 0.9% | 120 | 147 | -27 | -18.4% | 21 | 8 | 13 | 162.5% | 4,770 | 4,742 | 28 | 0.6% | 4,749 | 4,734 | 15 | 0.3% |
| Power Electronics | 6,253 | 5,997 | 256 | 4.3% | 261 | 304 | -43 | -14.1% | 45 | 18 | 27 | 150.0% | 6,559 | 6,319 | 240 | 3.8% | 6,514 | 6,301 | 213 | 3.4% |
| Ultrasonics, Ferroelectrics, Freq Ctrl | 2,143 | 2,117 | 26 | 1.2% | 52 | 57 | -5 | -8.8% | 31 | 11 | 20 | 181.8% | 2,226 | 2,185 | 41 | 1.9% | 2,195 | 2,174 | 21 | 1.0% |
| Div II Subtotal | 27,179 | 26,808 | 371 | 1.4% | 701 | 797 | -96 | -12.0% | 176 | 78 | 98 | 125.6% | 28,056 | 27,683 | 373 | 1.3% | 27,880 | 27,605 | 275 | 1.0% |
| DIVISION III | | | | | | | | | | | | | | | | | | | | |
| Communications | 34,302 | 35,286 | -984 | -2.8% | 2,681 | 4,099 | -1,418 | -34.6% | 424 | 502 | -78 | -15.5% | 37,407 | 39,887 | -2,480 | -6.2% | 36,983 | 39,385 | -2,402 | -6.1% |

➤ Society & Special Interest Memberships (cont.)

| 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 | |
|-----------------------------------|--|---------------|------------|-------------|----------------------|--------------|-------------|--------------|--------------------|------------|------------|--------------|----------------------------------|---------------|------------|-------------|-------------------------------------|---------------|-----------|-------------|
| | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % |
| DIVISION IV | | | | | | | | | | | | | | | | | | | | |
| Antennas & Propagation | 7,781 | 7,763 | 18 | 0.2% | 266 | 330 | -64 | -19.4% | 52 | 18 | 34 | 188.9% | 8,099 | 8,111 | -12 | -0.1% | 8,047 | 8,093 | -46 | -0.6% |
| Broadcast Technology | 1,941 | 1,977 | -36 | -1.8% | 62 | 89 | -27 | -30.3% | 30 | 21 | 9 | 42.9% | 2,033 | 2,087 | -54 | -2.6% | 2,003 | 2,066 | -63 | -3.0% |
| Consumer Electronics | 2,942 | 2,901 | 41 | 1.4% | 165 | 145 | 20 | 13.8% | 43 | 32 | 11 | 34.4% | 3,150 | 3,078 | 72 | 2.3% | 3,107 | 3,046 | 61 | 2.0% |
| Electromagnetic Compatibility | 4,086 | 4,133 | -47 | -1.1% | 77 | 82 | -5 | -6.1% | 28 | 13 | 15 | 115.4% | 4,191 | 4,228 | -37 | -0.9% | 4,163 | 4,215 | -52 | -1.2% |
| Magnetics | 3,138 | 2,946 | 192 | 6.5% | 100 | 114 | -14 | -12.3% | 57 | 27 | 30 | 111.1% | 3,295 | 3,087 | 208 | 6.7% | 3,238 | 3,060 | 178 | 5.8% |
| Microwave Theory & Techniques | 11,259 | 11,211 | 48 | 0.4% | 368 | 354 | 14 | 4.0% | 57 | 21 | 36 | 171.4% | 11,684 | 11,586 | 98 | 0.8% | 11,627 | 11,565 | 62 | 0.5% |
| Nuclear & Plasma Sciences | 3,056 | 3,073 | -17 | -0.6% | 104 | 132 | -28 | -21.2% | 49 | 42 | 7 | 16.7% | 3,209 | 3,247 | -38 | -1.2% | 3,160 | 3,205 | -45 | -1.4% |
| Div IV Subtotal | 34,203 | 34,004 | 199 | 0.6% | 1,142 | 1,246 | -104 | -8.3% | 316 | 174 | 142 | 81.6% | 35,661 | 35,424 | 237 | 0.7% | 35,345 | 35,250 | 95 | 0.3% |
| DIVISION V/VIII | | | | | | | | | | | | | | | | | | | | |
| Computer | 53,421 | 55,705 | -2,284 | -4.1% | 3,547 | 3,601 | -54 | -1.5% | 18,969 | 21,963 | -2,994 | -13.6% | 75,937 | 81,269 | -5,332 | -6.6% | 56,968 | 59,306 | -2,338 | -3.9% |
| DIVISION VI | | | | | | | | | | | | | | | | | | | | |
| Education | 3,136 | 3,181 | -45 | -1.4% | 92 | 91 | 1 | 1.1% | 37 | 33 | 4 | 12.1% | 3,265 | 3,305 | -40 | -1.2% | 3,228 | 3,272 | -44 | -1.3% |
| Industrial Electronics | 4,188 | 3,931 | 257 | 6.5% | 189 | 200 | -11 | -5.5% | 19 | 11 | 8 | 72.7% | 4,396 | 4,142 | 254 | 6.1% | 4,377 | 4,131 | 246 | 6.0% |
| Product Safety Engineering | 647 | 638 | 9 | 1.4% | 7 | 6 | 1 | 16.7% | 6 | 4 | 2 | 50.0% | 660 | 648 | 12 | 1.9% | 654 | 644 | 10 | 1.6% |
| Professional Communication | 983 | 999 | -16 | -1.6% | 62 | 51 | 11 | 21.6% | 117 | 85 | 32 | 37.6% | 1,162 | 1,135 | 27 | 2.4% | 1,045 | 1,050 | -5 | -0.5% |
| Reliability | 1,850 | 1,846 | 4 | 0.2% | 31 | 39 | -8 | -20.5% | 20 | 10 | 10 | 100.0% | 1,901 | 1,895 | 6 | 0.3% | 1,881 | 1,885 | -4 | -0.2% |
| Social Implications of Technology | 1,604 | 1,711 | -107 | -6.3% | 53 | 76 | -23 | -30.3% | 24 | 20 | 4 | 20.0% | 1,681 | 1,807 | -126 | -7.0% | 1,657 | 1,787 | -130 | -7.3% |
| Div VI Subtotal | 12,408 | 12,306 | 102 | 0.8% | 434 | 463 | -29 | -6.3% | 223 | 163 | 60 | 36.8% | 13,065 | 12,932 | 133 | 1.0% | 12,842 | 12,769 | 73 | 0.6% |
| DIVISION VII | | | | | | | | | | | | | | | | | | | | |
| Power & Energy | 22,750 | 21,862 | 888 | 4.1% | 670 | 1,578 | -908 | -57.5% | 201 | 94 | 107 | 113.8% | 23,621 | 23,534 | 87 | 0.4% | 23,420 | 23,440 | -20 | -0.1% |

➤ Society & Special Interest Memberships (cont.)

| 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 | |
|------------------------------------|--|----------------|---------------|--------------|----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|--------------|----------------------------------|----------------|---------------|--------------|-------------------------------------|----------------|---------------|--------------|
| | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % | 2009 | 2008 | # | % |
| DIVISION IX | | | | | | | | | | | | | | | | | | | | |
| Aerospace & Electronic Systems | 4,925 | 4,913 | 12 | 0.2% | 206 | 237 | -31 | -13.1% | 42 | 25 | 17 | 68.0% | 5,173 | 5,175 | -2 | 0.0% | 5,131 | 5,150 | -19 | -0.4% |
| Geoscience & Remote Sensing | 2,694 | 2,527 | 167 | 6.6% | 157 | 156 | 1 | 0.6% | 263 | 132 | 131 | 99.2% | 3,114 | 2,815 | 299 | 10.6% | 2,851 | 2,683 | 168 | 6.3% |
| Information Theory | 3,373 | 3,270 | 103 | 3.1% | 141 | 139 | 2 | 1.4% | 23 | 12 | 11 | 91.7% | 3,537 | 3,421 | 116 | 3.4% | 3,514 | 3,409 | 105 | 3.1% |
| Intelligent Transportation Systems | 1,039 | 1,107 | -68 | -6.1% | 28 | 47 | -19 | -40.4% | 20 | 17 | 3 | 17.6% | 1,087 | 1,171 | -84 | -7.2% | 1,067 | 1,154 | -87 | -7.5% |
| Oceanic Engineering | 1,599 | 1,568 | 31 | 2.0% | 60 | 61 | -1 | -1.6% | 16 | 23 | -7 | -30.4% | 1,675 | 1,652 | 23 | 1.4% | 1,659 | 1,629 | 30 | 1.8% |
| Signal Processing | 13,784 | 14,174 | -390 | -2.8% | 421 | 523 | -102 | -19.5% | 103 | 77 | 26 | 33.8% | 14,308 | 14,774 | -466 | -3.2% | 14,205 | 14,697 | -492 | -3.3% |
| Vehicular Technology | 4,080 | 4,219 | -139 | -3.3% | 147 | 220 | -73 | -33.2% | 21 | 10 | 11 | 110.0% | 4,248 | 4,449 | -201 | -4.5% | 4,227 | 4,439 | -212 | -4.8% |
| Div IX Subtotal | 31,494 | 31,778 | -284 | -0.9% | 1,160 | 1,383 | -223 | -16.1% | 488 | 296 | 192 | 64.9% | 33,142 | 33,457 | -315 | -0.9% | 32,654 | 33,161 | -507 | -1.5% |
| DIVISION X | | | | | | | | | | | | | | | | | | | | |
| Computational Intelligence | 5,599 | 5,468 | 131 | 2.4% | 379 | 433 | -54 | -12.5% | 119 | 97 | 22 | 22.7% | 6,097 | 5,998 | 99 | 1.7% | 5,978 | 5,901 | 77 | 1.3% |
| Control Systems | 7,996 | 7,985 | 11 | 0.1% | 402 | 439 | -37 | -8.4% | 67 | 26 | 41 | 157.7% | 8,465 | 8,450 | 15 | 0.2% | 8,398 | 8,424 | -26 | -0.3% |
| Engineering in Medicine & Biology | 7,698 | 7,606 | 92 | 1.2% | 676 | 778 | -102 | -13.1% | 161 | 94 | 67 | 71.3% | 8,535 | 8,478 | 57 | 0.7% | 8,374 | 8,384 | -10 | -0.1% |
| Lasers & Electro-Optics | 6,455 | 6,458 | -3 | 0.0% | 529 | 425 | 104 | 24.5% | 105 | 70 | 35 | 50.0% | 7,089 | 6,953 | 136 | 2.0% | 6,984 | 6,883 | 101 | 1.5% |
| Robotics & Automation | 5,856 | 5,706 | 150 | 2.6% | 740 | 821 | -81 | -9.9% | 90 | 65 | 25 | 38.5% | 6,686 | 6,592 | 94 | 1.4% | 6,596 | 6,527 | 69 | 1.1% |
| Systems, Man & Cybernetics | 3,940 | 3,622 | 318 | 8.8% | 187 | 184 | 3 | 1.6% | 43 | 34 | 9 | 26.5% | 4,170 | 3,840 | 330 | 8.6% | 4,127 | 3,806 | 321 | 8.4% |
| Div X Subtotal | 37,544 | 36,845 | 699 | 1.9% | 2,913 | 3,080 | -167 | -5.4% | 585 | 386 | 199 | 51.6% | 41,042 | 40,311 | 731 | 1.8% | 40,457 | 39,925 | 532 | 1.3% |
| TOTAL | 283,710 | 285,878 | -2,168 | -0.8% | 14,363 | 17,543 | -3,180 | -18.1% | 21,558 | 23,771 | -2,213 | -9.3% | 319,631 | 327,192 | -7,561 | -2.3% | 298,073 | 303,421 | -5,348 | -1.8% |



Standards Association

| Standard Association Membership | |
|---------------------------------|--------------|
| Grade | Jan-09 |
| Student | 134 |
| Higher Grade | 7,584 |
| Affiliate | 156 |
| Total | 7,874 |

Women in Engineering

| Grade | Jan-08 | Jan-09 |
|------------------|---------------|---------------|
| Fellow | 42 | 44 |
| Life Member | 125 | 124 |
| Associate Member | 545 | 255 |
| Member | 2,988 | 2,951 |
| Senior Member | 281 | 321 |
| Student | 8,530 | 7,068 |
| Affiliate | | 2 |
| Total | 12,511 | 10,765 |

| Region | Jan-08 | Jan-09 |
|------------------------------|---------------|---------------|
| US | 3,925 | 3,327 |
| Canada | 478 | 388 |
| Europe, Africa & Middle East | 2,805 | 2,281 |
| Latin America | 2,506 | 2,240 |
| Asia & Pacific | 2,797 | 2,529 |
| Total | 12,511 | 10,765 |

| Gender | Jan-08 | Jan-09 |
|--------------|---------------|---------------|
| Female | 7,609 | 6,602 |
| Male | 3,721 | 3,181 |
| Not Provided | 1,181 | 982 |
| Total | 12,511 | 10,765 |