



The Membership Development Report is issued monthly on behalf of the IEEE Member and Geographic Activities Board.  
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### OF NOTE

- IEEE membership up 677
- Higher-grade up 1,228
- Student-grade down 551
- Society membership down 2.3% (includes Affiliates)

| Membership Snapshot     |                |                |                      |                     |
|-------------------------|----------------|----------------|----------------------|---------------------|
|                         | July 2008      | July 2007      | % Change (July 2007) | % Change (Jun 2008) |
| <b>Total Membership</b> | <b>350,083</b> | <b>349,406</b> | <b>0.2%</b>          | <b>1.7%</b>         |
| - Higher Grade          | 277,640        | 276,412        | 0.4%                 | 0.9%                |
| - Students              | 72,443         | 72,994         | -0.8%                | 5.0%                |

Source: IEEE Membership Statistics, Month End July, 2008

### Recommended Volunteer Activity

| Membership Development Calendar | AUGUST   | SEPTEMBER  | OCTOBER   |
|---------------------------------|--|--|---|
| <b>RECRUITMENT ACTIVITIES</b>   | <p><b>Region MD Officer</b> – Disseminate membership materials at all regional events and conferences. Discard excess inventory of membership materials, prepare for delivery of upgraded materials.</p> <p><b>Section MD Officer</b> – Disseminate membership materials at all section meetings and local events. Prepare for delivery of upgraded materials.</p> <p>Participate in the <b>125 MGM Challenge</b> (see page 2 for details)</p> | <p><b>Region MD Officer</b> – Disseminate membership materials at all regional events and conferences. Discard excess inventory of membership materials, prepare for delivery of upgraded materials.</p> <p><b>Section MD Officer</b> – Disseminate membership materials at all section meetings and local events. Prepare for delivery of upgraded materials.</p> <p>Participate in the <b>125 MGM Challenge</b> (see page 2 for details)</p> | <p><b>Section Chair/MD Officer</b> – Disseminate membership materials at all section meetings and local events.</p> <p>Participate in the <b>125 MGM Challenge</b> (see page 2 for details)</p>   |
| <b>RETENTION ACTIVITIES</b>     | <p><b>Contest:</b> Senior Member Upgrade – Grade elevation increases likelihood of member renewal. Begin a contest for nominating individuals to Senior Member grade.</p>  | <p><b>Contest:</b> Senior Member Upgrade – Grade elevation increases likelihood of member renewal. Begin a contest for nominating individuals to Senior Member grade.</p>  | <p><b>Region MD Officer</b> – Plan for student member elevation outreach.</p> <p><b>Contest:</b> Senior Member Upgrade – Grade elevation increases likelihood of member renewal. Begin a contest for nominating individuals to Senior Member grade.</p> |
| <b>RESOURCES AVAILABLE</b>      | <ul style="list-style-type: none"> <li>- Online order form – recruitment supplies</li> <li>- Senior member elevation packages</li> <li>- Monthly Conference call</li> </ul>  | <ul style="list-style-type: none"> <li>- Online order form – recruitment supplies</li> <li>- Senior member elevation packages</li> <li>- Monthly Conference call</li> </ul>  | <ul style="list-style-type: none"> <li>- Online order form – recruitment supplies</li> <li>- Senior member elevation packages</li> <li>- Monthly Conference call</li> </ul>   |

Source: IEEE Membership Development Manual Sept 2008



### BUSINESS CYCLE SPOTLIGHTS

#### Member-Get-A-Member- 125 Challenge

In recognition of the 2009 membership year being IEEE's 125th Anniversary, we're announcing the "MGM-125 Challenge."

How does it work? 125 IEEE volunteers will receive 125 MGM business cards, to distribute within 125 days. The challenges commences 1 October and concludes 2 February 2009. Volunteers who accept the challenge will be recognized in the MD Progress Report, and become eligible to earn awards in accordance with the 2009 MGM program rules.

The highest, successful recruiters in each Region will earn financial awards for their local Section. For additional information, or to accept the challenge, contact [grow-membership@ieee.org](mailto:grow-membership@ieee.org).



#### 2009 IEEE Membership Development Kits are Shipping

Assembly of the 2009 MD Kits is underway. New MD Kits to student branches is the first priority, to coincide with the beginning of the academic year. The first shipment, to student branches outside of the United States, is scheduled for departure on 15 August. Shipment of the 2009 MD Kits to Sections and Society MD officers will commence shortly thereafter.

The 2009 MD Kit will contain many upgraded tools. The 2009 Membership Brochure is once again consolidated for higher-grade and student members. The brochures will include a print-application for membership (for higher-grade only) that has been redesigned as a self-mailer. The print-application will continue to be available as a tear-sheet pad of 50. An expanded length of the brochure supports additional messaging about IEEE's mission and Society membership.

Look for additional information about the benefits of membership, ranging from IEEE memberNet to various offerings to members interested in career development. An updated MD Manual contains best practices for marketing membership at conferences, and expanded information about the use of SAMIEEE. Also included, a program manual for the Student Transition & Elevation Partnership, sponsored by IEEE GOLD. And information about IEEE's 125th Anniversary.



The Membership Development Kits will be mailed to IEEE Region, Section and Society Membership Development Officers reported as of 10 August 2008. In the event no MD Officer was reported, the kit will be mailed to the Section Chair or Society President. Officers can replenish their 2009 supplies by ordering online at: [www.ieee.org/mdsupplies](http://www.ieee.org/mdsupplies)



### MEMBER BENEFITS SPOTLIGHT

#### **New – IEEE Merchandise Collection**

In response to the growing demand for IEEE branded promotional items, the IEEE Merchandise Collection has been developed and is offered in partnership with Staples Promotional Products. The merchandise program was released in Beta at the IEEE Board of Directors meeting in June, with the official launch of the merchandise program to members scheduled for 1 October. In the meantime, the merchandise program is now available to Volunteers, with two levels of service: (1) E-Store Service and (2) Special Orders.

#### **E-Store Service (Standard Items)**

- Order via Merchandise E-Store
- Full-service online catalog, e-commerce, and fulfillment; Shopping cart experience
- Open access to members and public
- OU / Volunteer purchases – p-card accepted

#### **Special Orders**

- Work directly with Staples Promotional Products
- Ad-hoc needs, Specialty items, Super bulk-order
- Access to over 4,000 industry suppliers, 700,000 ASI and brand name items
- Personalized creative support program needs
- Other special order capabilities – Co-branding within the IEEE family, e.g., Sections, Societies, Conferences, Volunteer appreciation and recognition



Preview the IEEE Online Merchandise Collection and place your orders at [www.ieee.org/merchandise](http://www.ieee.org/merchandise)





### STATISTICS SUMMARIES

#### Geographic IEEE Membership Summary - JULY 2008

| REGION       | HIGHER GRADE MEMBERS |                |              |             | STUDENT MEMBERS |               |              |              | TOTAL MEMBERS  |                |            |             |
|--------------|----------------------|----------------|--------------|-------------|-----------------|---------------|--------------|--------------|----------------|----------------|------------|-------------|
|              | 2008                 | 2007           | Change       |             | 2008            | 2007          | Change       |              | 2008           | 2007           | Change     |             |
|              |                      |                | #            | %           |                 |               | #            | %            |                |                | #          | %           |
| 1            | 32,089               | 32,621         | -532         | -1.6%       | 3,116           | 3,527         | -411         | -11.7%       | 35,205         | 36,148         | -943       | -2.6%       |
| 2            | 27,357               | 27,695         | -338         | -1.2%       | 2,986           | 3,223         | -237         | -7.4%        | 30,343         | 30,918         | -575       | -1.9%       |
| 3            | 24,279               | 24,245         | 34           | 0.1%        | 4,128           | 4,383         | -255         | -5.8%        | 28,407         | 28,628         | -221       | -0.8%       |
| 4            | 18,651               | 18,837         | -186         | -1.0%       | 3,022           | 3,297         | -275         | -8.3%        | 21,673         | 22,134         | -461       | -2.1%       |
| 5            | 23,741               | 23,855         | -114         | -0.5%       | 2,996           | 3,409         | -413         | -12.1%       | 26,737         | 27,264         | -527       | -1.9%       |
| 6            | 49,799               | 50,408         | -609         | -1.2%       | 4,923           | 5,503         | -580         | -10.5%       | 54,722         | 55,911         | -1,189     | -2.1%       |
| R 1-6        | 175,916              | 177,661        | -1,745       | -1.0%       | 21,171          | 23,342        | -2,171       | -9.3%        | 197,087        | 201,003        | -3,916     | -1.9%       |
| 7            | 12,089               | 11,730         | 359          | 3.1%        | 2,868           | 3,085         | -217         | -7.0%        | 14,957         | 14,815         | 142        | 1.0%        |
| 8            | 43,875               | 42,116         | 1,759        | 4.2%        | 16,846          | 17,107        | -261         | -1.5%        | 60,721         | 59,223         | 1,498      | 2.5%        |
| 9            | 6,105                | 6,143          | -38          | -0.6%       | 6,820           | 7,274         | -454         | -6.2%        | 12,925         | 13,417         | -492       | -3.7%       |
| 10           | 39,655               | 38,762         | 893          | 2.3%        | 24,738          | 22,186        | 2,552        | 11.5%        | 64,393         | 60,948         | 3,445      | 5.7%        |
| R 7-10       | 101,724              | 98,751         | 2,973        | 3.0%        | 51,272          | 49,652        | 1,620        | 3.3%         | 152,996        | 148,403        | 4,593      | 3.1%        |
| <b>TOTAL</b> | <b>277,640</b>       | <b>276,412</b> | <b>1,228</b> | <b>0.4%</b> | <b>72,443</b>   | <b>72,994</b> | <b>(551)</b> | <b>-0.8%</b> | <b>350,083</b> | <b>349,406</b> | <b>677</b> | <b>0.2%</b> |

#### MEMBERSHIP BY GRADE - JULY 2008

| Grade         | Jul-08         | Jul-07         | Change     | % Change    |
|---------------|----------------|----------------|------------|-------------|
| Honorary      | 27             | 27             | 0          | 0.0%        |
| Fellow        | 6,215          | 6,018          | 197        | 3.3%        |
| Senior Member | 30,164         | 29,127         | 1,037      | 3.6%        |
| Member        | 221,735        | 221,047        | 688        | 0.3%        |
| Associate     | 19,499         | 20,193         | -694       | -3.4%       |
| Student       | 72,443         | 72,994         | -551       | -0.8%       |
| <b>Total</b>  | <b>350,083</b> | <b>349,406</b> | <b>677</b> | <b>0.2%</b> |
| Affiliates    | 18,954         | 21,275         | -2,321     | -10.9%      |

#### MEMBERSHIP BY DUES CATEGORY

|                         | Jul-08         | Jul-07         | Change     | % Change    |
|-------------------------|----------------|----------------|------------|-------------|
| Minimum Income          | 9,652          | 11,507         | -1,855     | -16.1%      |
| Unemployed              | 3,895          | 5,110          | -1,215     | -23.8%      |
| Retired                 | 5,490          | 5,692          | -202       | -3.5%       |
| Recent Grad             | 6,390          | 5,241          | 1,149      | 21.9%       |
| Students                | 83,055         | 84,095         | -1,040     | -1.2%       |
| Life members            | 25,389         | 29,058         | -3,669     | -12.6%      |
| <b>Full Dues Paying</b> | <b>213,805</b> | <b>213,383</b> | <b>422</b> | <b>0.2%</b> |

\* Data is based on the Dues Year rather than the Calendar Year.  
The Dues year runs from Sep through Aug.

#### WOMEN IN ENGINEERING

| Grade         | Jul-08       | Jul-07        | Change        | % Change      |
|---------------|--------------|---------------|---------------|---------------|
| Fellow        | 43           | 38            | 5             | 13.2%         |
| Life members* | 125          | 121           | 4             | 3.3%          |
| Sr. Member    | 309          | 266           | 43            | 16.2%         |
| Member        | 2,477        | 2,310         | 167           | 7.2%          |
| Associate     | 210          | 414           | -204          | -49.3%        |
| Student*      | 5,724        | 8,037         | -2,313        | -28.8%        |
| <b>Total</b>  | <b>8,888</b> | <b>11,186</b> | <b>-2,298</b> | <b>-20.5%</b> |

#### STANDARDS ASSOCIATION MEMBERSHIP

| Grade        | Jul-08       | Jul-07       | Change      | % Change     |
|--------------|--------------|--------------|-------------|--------------|
| Students     | 109          | 202          | -93         | -46.0%       |
| HG Members   | 6,853        | 6,977        | -124        | -1.8%        |
| Affiliates   | 125          | 135          | -10         | -7.4%        |
| <b>Total</b> | <b>7,087</b> | <b>7,314</b> | <b>-227</b> | <b>-3.1%</b> |

\* Membership in WIE is free for Life Members and Students



# MD Monthly - July 2008

## Membership Development Report

| IEEE Society Membership Totals as of July 2008     |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
|--|---------------|---------------|---------------|--------------|--------------|--------------|------------|--------------|--------------------|------------|------------|---------------|--------------------------------|---------------|-------------|--------------|
|  | IEEE Higher   |               | Change        |              | IEEE Student |              | Change     |              | Society Affiliates |            | Change     |               | Society Totals (w/ affiliates) |               | Change      |              |
|  | 2008          | 2007          | #             | %            | 2008         | 2007         | #          | %            | 2008               | 2007       | #          | %             | 2008                           | 2007          | #           | %            |
| <b>DIVISION I</b>                                  |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
| Circuits & Systems                                 | 8,680         | 9,298         | -618          | -6.6%        | 1,265        | 1,078        | 187        | 17.3%        | 38                 | 24         | 14         | 58.3%         | 9,983                          | 10,400        | -417        | -4.0%        |
| Electron Devices                                   | 9,262         | 9,301         | -39           | -0.4%        | 976          | 714          | 262        | 36.7%        | 39                 | 21         | 18         | 85.7%         | 10,277                         | 10,036        | 241         | 2.4%         |
| Solid-State Circuits                               | 9,691         | 10,180        | -489          | -4.8%        | 958          | 903          | 55         | 6.1%         | 52                 | 24         | 28         | 116.7%        | 10,701                         | 11,107        | -406        | -3.7%        |
| <b>Div I Subtotal</b>                              | <b>27,633</b> | <b>28,779</b> | <b>-1,146</b> | <b>-4.0%</b> | <b>3,199</b> | <b>2,695</b> | <b>504</b> | <b>18.7%</b> | <b>129</b>         | <b>69</b>  | <b>60</b>  | <b>87.0%</b>  | <b>30,961</b>                  | <b>31,543</b> | <b>-582</b> | <b>-1.8%</b> |
| <b>DIVISION II</b>                                 |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
| Components, Packaging & Mfg Tech                   | 2,385         | 2,567         | -182          | -7.1%        | 135          | 134          | 1          | 0.7%         | 11                 | 6          | 5          | 83.3%         | 2,531                          | 2,707         | -176        | -6.5%        |
| Dielectrics & Electrical Insulation                | 1,790         | 1,801         | -11           | -0.6%        | 100          | 83           | 17         | 20.5%        | 12                 | 6          | 6          | 100.0%        | 1,902                          | 1,890         | 12          | 0.6%         |
| Industry Applications                              | 8,941         | 8,975         | -34           | -0.4%        | 433          | 337          | 96         | 28.5%        | 24                 | 5          | 19         | 380.0%        | 9,398                          | 9,317         | 81          | 0.9%         |
| Instrumentation & Measurements                     | 4,091         | 4,142         | -51           | -1.2%        | 314          | 286          | 28         | 9.8%         | 18                 | 5          | 13         | 260.0%        | 4,423                          | 4,433         | -10         | -0.2%        |
| Power Electronics                                  | 5,283         | 5,329         | -46           | -0.9%        | 749          | 627          | 122        | 19.5%        | 28                 | 4          | 24         | 600.0%        | 6,060                          | 5,960         | 100         | 1.7%         |
| Ultrasonics, Ferroelectrics, Freq Ctrl             | 1,908         | 1,916         | -8            | -0.4%        | 210          | 170          | 40         | 23.5%        | 19                 | 6          | 13         | 216.7%        | 2,137                          | 2,092         | 45          | 2.2%         |
| <b>Div II Subtotal</b>                             | <b>24,398</b> | <b>24,730</b> | <b>-332</b>   | <b>-1.3%</b> | <b>1,941</b> | <b>1,637</b> | <b>304</b> | <b>18.6%</b> | <b>112</b>         | <b>32</b>  | <b>80</b>  | <b>250.0%</b> | <b>26,451</b>                  | <b>26,399</b> | <b>52</b>   | <b>0.2%</b>  |
| <b>DIVISION III - Communications</b>               |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
| Communications                                     | 34,037        | 34,016        | 21            | 0.1%         | 7,789        | 7,719        | 70         | 0.9%         | 344                | 426        | -82        | -19.2%        | 42,170                         | 42,161        | 9           | 0.0%         |
| <b>DIVISION IV - Electromagnetic Compatibility</b> |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
| Antennas & Propagation                             | 6,780         | 6,961         | -181          | -2.6%        | 855          | 791          | 64         | 8.1%         | 37                 | 11         | 26         | 236.4%        | 7,672                          | 7,763         | -91         | -1.2%        |
| Broadcast Technology                               | 1,745         | 1,833         | -88           | -4.8%        | 123          | 141          | -18        | -12.8%       | 20                 | 17         | 3          | 17.6%         | 1,888                          | 1,991         | -103        | -5.2%        |
| Consumer Electronics                               | 2,641         | 2,719         | -78           | -2.9%        | 241          | 169          | 72         | 42.6%        | 35                 | 21         | 14         | 66.7%         | 2,917                          | 2,909         | 8           | 0.3%         |
| Electromagnetic Compatibility                      | 3,810         | 3,842         | -32           | -0.8%        | 205          | 168          | 37         | 22.0%        | 16                 | 7          | 9          | 128.6%        | 4,031                          | 4,017         | 14          | 0.3%         |
| Magnetics  | 2,758         | 2,626         | 132           | 5.0%         | 398          | 305          | 93         | 30.5%        | 47                 | 20         | 27         | 135.0%        | 3,203                          | 2,951         | 252         | 8.5%         |
| Microwave Theory & Techniques                      | 9,907         | 10,229        | -322          | -3.1%        | 1,026        | 941          | 85         | 9.0%         | 39                 | 13         | 26         | 200.0%        | 10,972                         | 11,183        | -211        | -1.9%        |
| Nuclear & Plasma Sciences                          | 2,527         | 2,532         | -5            | -0.2%        | 268          | 236          | 32         | 13.6%        | 47                 | 37         | 10         | 27.0%         | 2,842                          | 2,805         | 37          | 1.3%         |
| <b>Div IV Subtotal</b>                             | <b>30,168</b> | <b>30,742</b> | <b>-574</b>   | <b>-1.9%</b> | <b>3,116</b> | <b>2,751</b> | <b>365</b> | <b>13.3%</b> | <b>241</b>         | <b>126</b> | <b>115</b> | <b>91.3%</b>  | <b>33,525</b>                  | <b>33,619</b> | <b>-94</b>  | <b>-0.3%</b> |
| <b>DIVISION V/VIII - Computer</b>                  |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
| Computer   | 47,695        | 51,445        | -3,750        | -7.3%        | 7,829        | 6,250        | 1,579      | 25.3%        | 17,417             | 19,856     | -2,439     | -12.3%        | 72,941                         | 77,551        | -4,610      | -5.9%        |
| <b>DIVISION VI</b>                                 |               |               |               |              |              |              |            |              |                    |            |            |               |                                |               |             |              |
| Education  | 2,875         | 2,892         | -17           | -0.6%        | 258          | 210          | 48         | 22.9%        | 33                 | 28         | 5          | 17.9%         | 3,166                          | 3,130         | 36          | 1.2%         |
| Industrial Electronics                             | 3,407         | 3,435         | -28           | -0.8%        | 496          | 412          | 84         | 20.4%        | 11                 | 9          | 2          | 22.2%         | 3,914                          | 3,856         | 58          | 1.5%         |
| Product Safety Engineering                         | 591           | 583           | 8             | 1.4%         | 13           | 9            | 4          | 44.4%        | 6                  | 2          | 4          | 200.0%        | 610                            | 594           | 16          | 2.7%         |
| Professional Communication                         | 851           | 910           | -59           | -6.5%        | 107          | 88           | 19         | 21.6%        | 95                 | 74         | 21         | 28.4%         | 1,053                          | 1,072         | -19         | -1.8%        |
| Reliability  | 1,682         | 1,728         | -46           | -2.7%        | 91           | 81           | 10         | 12.3%        | 16                 | 6          | 10         | 166.7%        | 1,789                          | 1,815         | -26         | -1.4%        |
| Social Implications of Technology                  | 1,499         | 1,696         | -197          | -11.6%       | 136          | 138          | -2         | -1.4%        | 19                 | 20         | -1         | -5.0%         | 1,654                          | 1,854         | -200        | -10.8%       |
| <b>Div VI Subtotal</b>                             | <b>10,905</b> | <b>11,244</b> | <b>-339</b>   | <b>-3.0%</b> | <b>1,101</b> | <b>938</b>   | <b>163</b> | <b>17.4%</b> | <b>180</b>         | <b>139</b> | <b>41</b>  | <b>29.5%</b>  | <b>12,186</b>                  | <b>12,321</b> | <b>-135</b> | <b>-1.1%</b> |

Source: IEEE Monthly Statistics, Month End July, 2008



| IEEE Society Membership Totals as of July 2008  |                |                |               |              |               |               |              |             |                    |               |               |              |                       |                |               |              |
|---|----------------|----------------|---------------|--------------|---------------|---------------|--------------|-------------|--------------------|---------------|---------------|--------------|-----------------------|----------------|---------------|--------------|
| IEEE Societies                                  | IEEE Higher    |                | Change        |              | IEEE Student  |               | Change       |             | Society Affiliates |               | Change        |              | Society Totals (with) |                | Change        |              |
|   | 2008           | 2007           | #             | %            | 2008          | 2007          | #            | %           | 2008               | 2007          | #             | %            | 2008                  | 2007           | #             | %            |
| <b>DIVISION VII - Power Engineering</b>         |                |                |               |              |               |               |              |             |                    |               |               |              |                       |                |               |              |
| Power Engineering                               | 20,185         | 19,947         | 238           | 1.2%         | 1,495         | 2,232         | -737         | -33.0%      | 126                | 49            | 77            | 157.1%       | 21,806                | 22,228         | -422          | -1.9%        |
| <b>DIVISION IX - Signals &amp; Applications</b> |                |                |               |              |               |               |              |             |                    |               |               |              |                       |                |               |              |
| Aerospace & Electronic Systems                  | 4,327          | 4,471          | -144          | -3.2%        | 367           | 393           | -26          | -6.6%       | 29                 | 15            | 14            | 93.3%        | 4,723                 | 4,879          | -156          | -3.2%        |
| Geoscience & Remote Sensing                     | 2,196          | 2,205          | -9            | -0.4%        | 413           | 323           | 90           | 27.9%       | 126                | 103           | 23            | 22.3%        | 2,735                 | 2,631          | 104           | 4.0%         |
| Information Theory                              | 2,829          | 2,967          | -138          | -4.7%        | 423           | 345           | 78           | 22.6%       | 17                 | 4             | 13            | 325.0%       | 3,269                 | 3,316          | -47           | -1.4%        |
| Intelligent Transportation Systems              | 962            | 949            | 13            | 1.4%         | 108           | 99            | 9            | 9.1%        | 19                 | 12            | 7             | 58.3%        | 1,089                 | 1,060          | 29            | 2.7%         |
| Oceanic Engineering                             | 1,401          | 1,407          | -6            | -0.4%        | 149           | 113           | 36           | 31.9%       | 14                 | 16            | -2            | -12.5%       | 1,564                 | 1,536          | 28            | 1.8%         |
| Signal Processing                               | 12,369         | 12,818         | -449          | -3.5%        | 1,516         | 1,479         | 37           | 2.5%        | 84                 | 54            | 30            | 55.6%        | 13,969                | 14,351         | -382          | -2.7%        |
| Vehicular Technology                            | 3,640          | 3,938          | -298          | -7.6%        | 421           | 441           | -20          | -4.5%       | 14                 | 4             | 10            | 250.0%       | 4,075                 | 4,383          | -308          | -7.0%        |
| <b>Div IX Subtotal</b>                          | <b>27,724</b>  | <b>28,755</b>  | <b>-1,031</b> | <b>-3.6%</b> | <b>3,397</b>  | <b>3,193</b>  | <b>204</b>   | <b>6.4%</b> | <b>303</b>         | <b>208</b>    | <b>95</b>     | <b>45.7%</b> | <b>31,424</b>         | <b>32,156</b>  | <b>-732</b>   | <b>-2.3%</b> |
| <b>DIVISION X</b>                               |                |                |               |              |               |               |              |             |                    |               |               |              |                       |                |               |              |
| Computational Intelligence                      | 4,458          | 4,561          | -103          | -2.3%        | 1,148         | 1,026         | 122          | 11.9%       | 102                | 85            | 17            | 20.0%        | 5,708                 | 5,672          | 36            | 0.6%         |
| Control Systems                                 | 6,726          | 7,099          | -373          | -5.3%        | 1,123         | 976           | 147          | 15.1%       | 42                 | 16            | 26            | 162.5%       | 7,891                 | 8,091          | -200          | -2.5%        |
| Engineering in Medicine & Biology               | 6,341          | 6,579          | -238          | -3.6%        | 1,555         | 1,477         | 78           | 5.3%        | 110                | 77            | 33            | 42.9%        | 8,006                 | 8,133          | -127          | -1.6%        |
| Lasers & Electro-Optics                         | 5,421          | 5,771          | -350          | -6.1%        | 998           | 1,017         | -19          | -1.9%       | 78                 | 52            | 26            | 50.0%        | 6,497                 | 6,840          | -343          | -5.0%        |
| Robotics & Automation                           | 4,580          | 4,856          | -276          | -5.7%        | 1,412         | 1,325         | 87           | 6.6%        | 76                 | 52            | 24            | 46.2%        | 6,068                 | 6,233          | -165          | -2.6%        |
| Systems, Man & Cybernetics                      | 3,026          | 3,198          | -172          | -5.4%        | 487           | 424           | 63           | 14.9%       | 34                 | 31            | 3             | 9.7%         | 3,547                 | 3,653          | -106          | -2.9%        |
| <b>Div X Subtotal</b>                           | <b>30,552</b>  | <b>32,064</b>  | <b>-1,512</b> | <b>-4.7%</b> | <b>6,723</b>  | <b>6,245</b>  | <b>478</b>   | <b>7.7%</b> | <b>442</b>         | <b>313</b>    | <b>129</b>    | <b>41.2%</b> | <b>37,717</b>         | <b>38,622</b>  | <b>-905</b>   | <b>-2.3%</b> |
| <b>TOTAL</b>                                    | <b>253,297</b> | <b>261,722</b> | <b>-8,425</b> | <b>-3.2%</b> | <b>36,590</b> | <b>33,660</b> | <b>2,930</b> | <b>8.7%</b> | <b>19,294</b>      | <b>21,218</b> | <b>-1,924</b> | <b>-9.1%</b> | <b>309,181</b>        | <b>316,600</b> | <b>-7,419</b> | <b>-2.3%</b> |

Source: IEEE Monthly Statistics, Month End July, 2008