

An Introduction to Div IX

to IT Society BoG

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Introduction to Div IX

- ***Division IX Societies***
 1. Aerospace and Electronic Systems Society
 2. Geoscience and Remote Sensing Society
 3. **Information Theory Society**
 4. Intelligent Transportation Systems Society
 5. Oceanic Engineering Society
 6. Signal Processing Society
 7. Vehicular Technology Society

Introduction to Div IX

- ***Division IX Director Duties***

- A one year term as Director-Elect
- A two year term as Director

- ***While a Division Director***

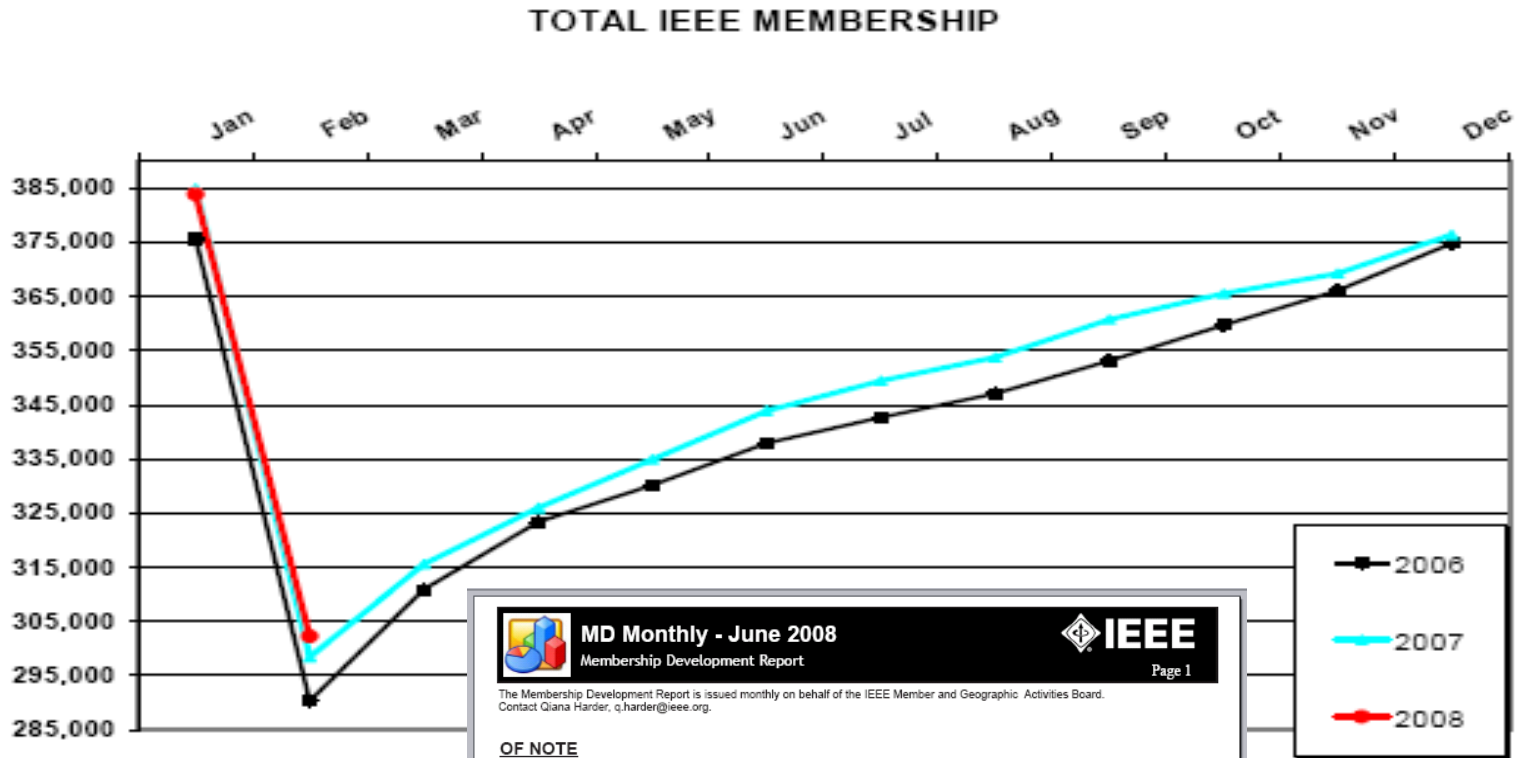
- A member of the IEEE Board of Directors (31 members)
 - Expected to represent the interests of the IEEE vs. the interests of Division IX
- A member of the IEEE Technical Activities Board (63 members)
- Membership on Committees, BoD appointment
 - *IEEE Audit Committee (2008-09)*
 - *IEEE 4958 Committee (2008)*
- Membership on Committees, TAB appointment
 - *TAB representative on MGA Membership Development Committee (2007)*
 - *TAB representative to IEEE Marketing and Sales Committee (2008-09)*
- Other committee membership
 - *Alternative Membership Models Task Force (2007-08)*
- Visit BoG/AdCom of each of the seven Societies during the two year term

Introduction to Div IX

- ***How the Division IX Director is elected***
 1. The Presidents of the seven Division IX Societies form a Nominating Committee; the Past Division Director serves as Chair
 2. The Nominating Committee selects candidates to appear on the ballot
 1. NC members nominate candidates to appear on the ballot
 2. The NC votes on the number of names to appear on the ballot
 3. Selects the candidates to appear on the ballot
 3. Candidates who appear on the ballot submit
 1. a professional biography
 2. a position statement
 4. The members of Division IX Societies vote
 5. The candidate receiving the highest number of votes wins

Introduction to Div IX

- Some topics of current interest – membership



MD Monthly - June 2008
Membership Development Report



The Membership Development Report is issued monthly on behalf of the IEEE Member and Geographic Activities Board.
Contact Qiana Harder, q.harder@ieee.org.

OF NOTE

- IEEE membership up 0.1%
- Higher-grade up 1.6%*
- Student-grade down -5.6%*
- 13 Societies show increase in membership; aggregate Society membership down -3.4% (includes Affiliates)

| Membership Snapshot | | | | |
|---------------------|-----------|-----------|---------------------|---------------------|
| | June 2008 | June 2007 | % Change (Jun 2007) | % Change (May 2008) |
| Total Membership | 344,139 | 343,848 | 0.1% | 2.4% |
| - Higher Grade | 275,168 | 270,772 | 1.6% | 6.1% |
| - Students | 68,971 | 76,844 | -5.6% | -10.2% |



Introduction to Div IX

- Some topics of current interest – membership

| IEEE Society Membership Totals as of June 2008 | | | | | | | | | | | | | | | | |
|---|---------------------------|----------------|---------------|--------------|----------------------|---------------|--------------|---------------|--------------------|---------------|---------------|---------------|----------------------------------|----------------|----------------|--------------|
| | IEEE Higher Grade Members | | Change | | IEEE Student Members | | Change | | Society Affiliates | | Change | | Society Totals (with affiliates) | | Change | |
| | 2008 | 2007 | # | % | 2008 | 2007 | # | % | 2008 | 2007 | # | % | 2008 | 2007 | # | % |
| IEEE Societies | | | | | | | | | | | | | | | | |
| DIVISION VI | | | | | | | | | | | | | | | | |
| Education | 2,861 | 2,868 | -7 | -0.2% | 252 | 212 | 40 | 18.9% | 32 | 28 | 4 | 14.3% | 3,145 | 3,108 | 37 | 1.2% |
| Industrial Electronics | 3,377 | 3,328 | 49 | 1.5% | 475 | 376 | 99 | 26.3% | 10 | 8 | 2 | 25.0% | 3,862 | 3,712 | 150 | 4.0% |
| Product Safety Engineering | 585 | 572 | 13 | 2.3% | 12 | 8 | 4 | 50.0% | 6 | 2 | 4 | 200.0% | 603 | 582 | 21 | 3.6% |
| Professional Communication | 842 | 898 | -56 | -6.2% | 104 | 89 | 15 | 16.9% | 93 | 74 | 19 | 25.7% | 1,039 | 1,061 | -22 | -2.1% |
| Reliability | 1,665 | 1,708 | -43 | -2.5% | 88 | 82 | 6 | 7.3% | 15 | 5 | 10 | 200.0% | 1,768 | 1,795 | -27 | -1.5% |
| Social Implications of Technology | 1,489 | 1,668 | -179 | -10.7% | 132 | 136 | -4 | -2.9% | 19 | 20 | -1 | -5.0% | 1,640 | 1,824 | -184 | -10.1% |
| Div VI Subtotal | 10,819 | 11,042 | -223 | -2.0% | 1,063 | 903 | 160 | 17.7% | 175 | 137 | 38 | 27.7% | 12,057 | 12,082 | -25 | -0.2% |
| DIVISION VII - Power Engineering | | | | | | | | | | | | | | | | |
| Power Engineering | 20,000 | 19,745 | 255 | 1.3% | 1,439 | 2,096 | -657 | -31.3% | 117 | 48 | 69 | 143.8% | 21,556 | 21,889 | -333 | -1.5% |
| DIVISION IX - Signals & Applications | | | | | | | | | | | | | | | | |
| Aerospace & Electronic Systems | 4,296 | 4,413 | -117 | -2.7% | 353 | 397 | -44 | -11.1% | 26 | 15 | 11 | 73.3% | 4,675 | 4,825 | -150 | -3.1% |
| Geoscience & Remote Sensing | 2,173 | 2,172 | 1 | 0.0% | 404 | 323 | 81 | 25.1% | 123 | 101 | 22 | 21.8% | 2,700 | 2,596 | 104 | 4.0% |
| Information Theory | 2,806 | 2,926 | -120 | -4.1% | 408 | 353 | 55 | 15.6% | 16 | 4 | 12 | 300.0% | 3,230 | 3,283 | -53 | -1.6% |
| Intelligent Transportation Systems | 943 | 925 | 18 | 1.9% | 105 | 97 | 8 | 8.2% | 17 | 11 | 6 | 54.5% | 1,065 | 1,033 | 32 | 3.1% |
| Oceanic Engineering | 1,394 | 1,394 | 0 | 0.0% | 138 | 113 | 25 | 22.1% | 14 | 16 | -2 | -12.5% | 1,546 | 1,523 | 23 | 1.5% |
| Signal Processing | 12,290 | 12,688 | -398 | -3.1% | 1,458 | 1,480 | -22 | -1.5% | 82 | 53 | 29 | 54.7% | 13,830 | 14,221 | -391 | -2.7% |
| Vehicular Technology | 3,612 | 3,898 | -286 | -7.3% | 394 | 443 | -49 | -11.1% | 13 | 3 | 10 | 333.3% | 4,019 | 4,344 | -325 | -7.5% |
| Div IX Subtotal | 27,514 | 28,416 | -902 | -3.2% | 3,260 | 3,206 | 54 | 1.7% | 291 | 203 | 88 | 43.3% | 31,065 | 31,825 | -760 | -2.4% |
| DIVISION X | | | | | | | | | | | | | | | | |
| Computational Intelligence | 4,407 | 4,493 | -86 | -1.9% | 1,112 | 1,021 | 91 | 8.9% | 101 | 84 | 17 | 20.2% | 5,620 | 5,598 | 22 | 0.4% |
| Control Systems | 6,673 | 6,993 | -320 | -4.6% | 1,080 | 993 | 87 | 8.8% | 41 | 16 | 25 | 156.3% | 7,794 | 8,002 | -208 | -2.6% |
| Engineering in Medicine & Biology | 6,273 | 6,464 | -191 | -3.0% | 1,513 | 1,485 | 28 | 1.9% | 101 | 76 | 25 | 32.9% | 7,887 | 8,025 | -138 | -1.7% |
| Lasers & Electro-Optics | 5,383 | 5,674 | -291 | -5.1% | 971 | 864 | 107 | 12.4% | 72 | 52 | 20 | 38.5% | 6,426 | 6,590 | -164 | -2.5% |
| Robotics & Automation | 4,529 | 4,770 | -241 | -5.1% | 1,351 | 1,337 | 14 | 1.0% | 75 | 50 | 25 | 50.0% | 5,955 | 6,157 | -202 | -3.3% |
| Systems, Man & Cybernetics | 2,995 | 3,119 | -124 | -4.0% | 461 | 472 | -11 | -2.3% | 33 | 31 | 2 | 6.5% | 3,489 | 3,622 | -133 | -3.7% |
| Div X Subtotal | 30,260 | 31,513 | -1,253 | -4.0% | 6,488 | 6,172 | 316 | 5.1% | 423 | 309 | 114 | 36.9% | 37,171 | 37,994 | -823 | -2.2% |
| TOTAL | 248,763 | 258,429 | -9,666 | -3.7% | 34,886 | 33,744 | 1,142 | 3.4% | 18,953 | 21,074 | -2,121 | -10.1% | 302,602 | 313,247 | -10,645 | -3.4% |

Introduction to Div IX

- *Some topics of current interest*
 - Membership
 - Multi-year decline in IEEE membership - was reversed in 2007
 - Society membership declined in 2007
 - Growth in Regions 8-10
 - Concerns
 - Affordability
 - Serving newer engineers
 - Serving Practitioners
 - Finance
 - IEEE issues
 - Society issues
 - Infrastructure expenses
 - Shift of income to Xplore / revenue distribution formulae
 - Financial forecasts / greater freedom to use reserves
 - Society solvency
 - Multi-disciplinary research
 - TAB New Technology Directions