An Introduction to Div IX

to AESS AdCom

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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

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Introduction to Div IX

- ***Division IX Director Duties***
  - A one year term as Director-Elect (2007)
  - A two year term as Director (2008, 2009)

- ***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 Div 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)*
    - *IEEE Employee Benefits and Compensation Committee, Chair (2009)*
    - *IEEE Insurance Committee (2009)*
  - **Membership on Committees, TAB appointment**
    - *TAB representative on MGA Membership Development Committee (2007)*
    - *TAB representative to IEEE Marketing and Sales Committee (2008-09)*
    - *TAB representative to IEEE Investment Committee (2009)*
    - *TAB Ad Hoc to review the TAB Management Committee, Chair (2009)*
  - **Other committee membership**
    - *Alternative Membership Models Task Force (2007-08)*
  - **Visit BoG/AdCom of each Div IX Society during two year term**

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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. The NC 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

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Introduction to Div IX

- ***Some topics of current interest***
  - **Membership**
  - **Finance**
  - **Multi-disciplinary research**
  - **IEEE 125th Anniversary Celebration**

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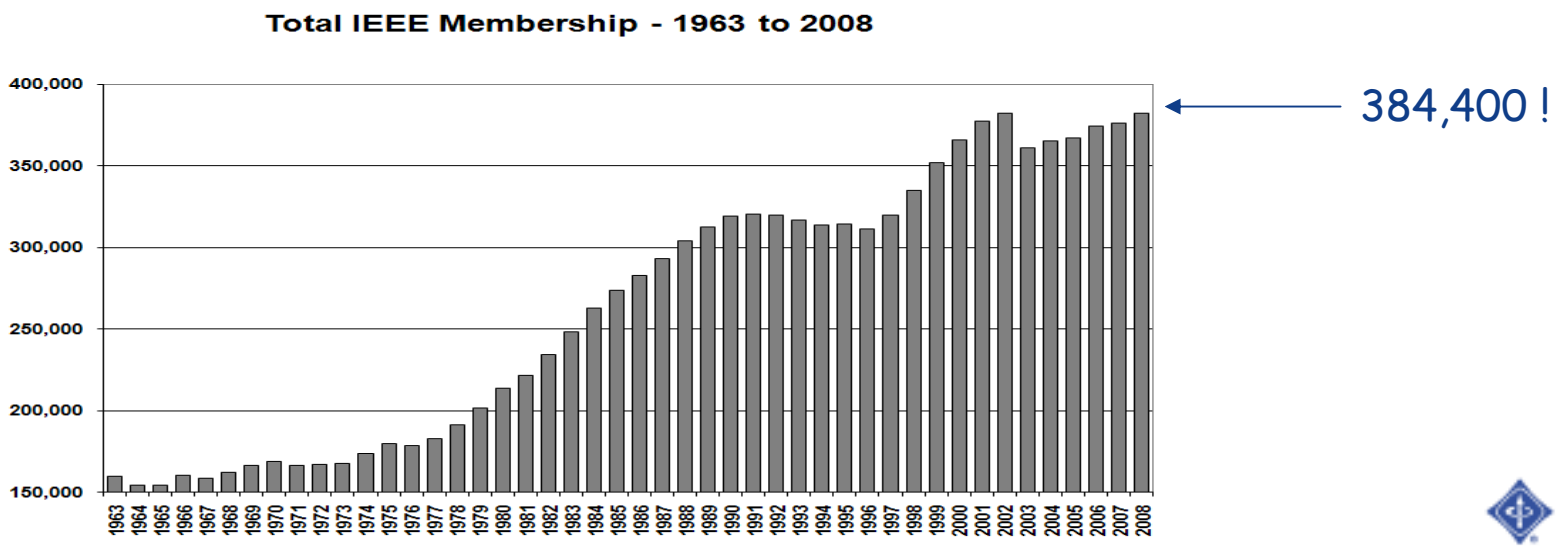
IEEE Membership

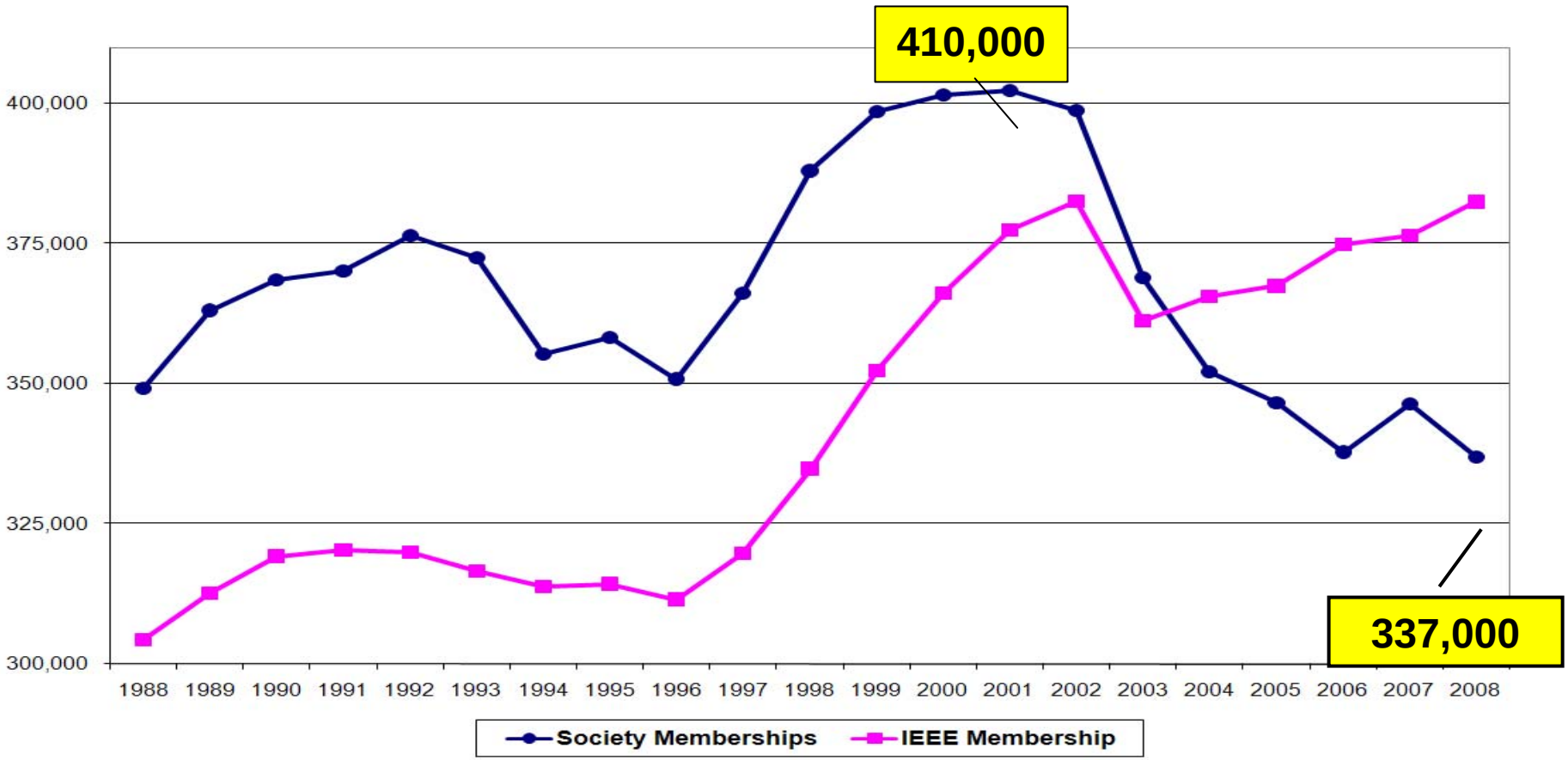
- About 384,000 members in over 150 countries
  - over 40 percent are from outside the United States
- 85,000 student members
- 27,000+ society affiliates
- 300+ sections, ,400+ technical chapters
- 1,300+ student branches in 80 countries
  - 300+ student branch chapters
- 38 societies and 6 technical councils

From every work sector

- 50% work for private industry
- 20% in academia
- 10% in government
- 20% other (retired, self-employed, unemployed, “other”)



Society Memberships vs. IEEE Membership 1988 - 2008



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Div IX Membership

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IEEE

➢ Society & Special Interest Memberships (cont.)

IEEE Society Membership Totals as of February 2009

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	
IEEE Societies	**2009**	**2008**	**#**	**%**	**2009**	**2008**	**#**	**%**	**2009**	**2008**	**#**	**%**	**2009**	**2008**	**#**	**%**	**2009**	**2008**	**#**	**%**
DIVISION IX																				
Aerospace & Electronic Systems	4,122	4,222	-100	-2.4%	141	166	-25	-15.1%	24	23	1	4.3%	4,287	4,411	-124	-2.8%	4,263	4,388	-125	-2.8%
Geoscience & Remote Sensing	2,288	2,222	66	3.0%	100	140	-40	-28.6%	225	111	114	102.7%	2,613	2,473	140	5.7%	2,388	2,362	26	1.1%
Information Theory	2,838	2,904	-66	-2.3%	114	112	2	1.8%	18	11	7	63.6%	2,970	3,027	-57	-1.9%	2,952	3,016	-64	-2.1%
Intelligent Transportation Systems	857	945	-88	-9.3%	28	34	-6	-17.6%	14	16	-2	-12.5%	899	995	-96	-9.6%	885	979	-94	-9.6%
Oceanic Engineering	1,366	1,372	-6	-0.4%	45	48	-3	-6.3%	12	11	1	9.1%	1,423	1,431	-8	-0.6%	1,411	1,420	-9	-0.6%
Signal Processing	11,991	12,673	-682	-5.4%	335	423	-88	-20.8%	71	68	3	4.4%	12,397	13,164	-767	-5.8%	12,326	13,096	-770	-5.9%
Vehicular Technology	3,490	3,658	-168	-4.6%	103	149	-46	-30.9%	16	10	6	60.0%	3,609	3,817	-208	-5.4%	3,593	3,807	-214	-5.6%
Div IX Subtotal	26,952	27,996	-1,044	-3.7%	866	1,072	-206	-19.2%	380	250	130	52.0%	28,198	29,318	-1,120	-3.8%	27,818	29,068	-1,250	-4.3%

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Introduction to Div IX

- ***Some topics of current interest***
  - **Membership**
    - IEEE membership is growing, but …
    - Growth in Regions 7,8,9,10
    - Society membership declined in 2008, and …
    - Concerns
      - Affordability
      - Serving newer engineers
      - Serving practitioners
  - **Finance**
    - IEEE issues
    - Society issues
      - Infrastructure expenses
      - Society solvency
      - Financial forecasts / greater freedom to use reserves
  - **Multi-disciplinary research**
    - TAB New Technology Directions

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125th Anniversary Celebration

- **Goals:** Increase awareness of contributions of IEEE, its members and the profession
- Kickoff at Sections Congress; tool kit; 8 Section events
- Website**:** www.ieee125.org or www.ieee.org/125
- Change the World student competition
- Opportunity for all groups to contribute – by organizing celebrations, using the anniversary mark, mentioning as often as possible, promoting the student competition

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IEEE's 125th Anniversary

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IEEE Celebrates its 125th Anniversary Presenting Emerging, World Changing Technologies During Its "Embracing Human Technology Interactions" Media Event

Event Features Panel Discussion on Technologies That Will Change the Way Humans Interact with Machines, the World and Each Other

(PISCATAWAY, N.J., U.S.A. – 10 March 2009) – IEEE, the world's largest technical professional society, today spotlighted seven technologies it believes will have world changing implications on the way humans interact with machines, the world and each other, in honor of its 125th anniversary.

On 10 March 2009 at the New Yorker Hotel in New York City, a panel of technology experts, moderated by The New York Times senior editor and technology reporter Steve Lohr, discussed emerging technologies in fields ranging from biometrics, computing, wireless power, and others, that they believe have the potential to change the world.

"For 125 years, IEEE and its members have influenced the creation of nearly all the technologies we now cannot imagine life without," said 2008 IEEE President Lewis M. Terman. "Today we take a glimpse into the future with some of those who are driving the development of some of the emerging innovations and technological advancements for the betterment of humanity."

Featured panelists and the technologies discussed include:

* Dr. Katie Hall, IEEE Senior Member, Chief Technology Officer, WiTricity – Dr. Hall is implementing a new technology that can wirelessly transmit power to common consumer electronic devices within several meters

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The official IEEE anniversary date is 13 May 2009. Join us throughout the year as we celebrate 125 years of innovation and ingenuity with special events online and across the globe.

Anniversary Events

- View events map
- Search upcoming and past events
- Add your event to the calendar
- Download the planning and promotion action packs
- View the IEEE Around the World video

Engineering the Future Program

On March 10 a panel of top minds in human-technology interactions discussed technologies that could change the world.

- Media Roundtable Webcast
- IEEE Global Engineering the Future Day
- Global Event Series

IEEE Presidents' Change the World Competition

The competition is now closed for submissions. The finalists will be announced soon and voting for the People's Choice winner will begin in May.

- Learn about the competition

Multimedia Center

Browse IEEE's 125th Anniversary visual galleries.

- Photo gallery
- Video gallery

Share in the celebration by contributing your own photos and videos.

- Add your photos
- Add your videos

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125th Newsroom

10 March 2009
IEEE Celebrates its 125th Anniversary Presenting Emerging, World Changing Technologies During Its "Embracing Human Technology Interactions" Media Event

03 February 2009
IEEE Unveils Limited Edition 125th Anniversary Merchandise

21 January 2009
IEEE Commemorates 125 Years of Engineering the Future

- View all anniversary news
- Media coverage
- Fact Sheet
- Backgrounder
- Bio of Dr. John Vig, 2009 IEEE President
- Anniversary mark and usage guidelines
- Press Contacts

Anniversary Social Networks

Join IEEE's 125th Anniversary celebration on your favorite social networks.

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- YouTube
- Flickr

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