

# Join IEEE

Presented at

SSE LUMS  
09-June-2009

# IEEE

## formed in 1963 with the merger of

- » the **AIEE**
  - (American Institute of Electrical Engineers, formed in 1884),
    - First technical meeting: October 1884 Philadelphia.
    - Early leaders:
      - Founding President Norvin Green,
      - Thomas Edison,
      - Alexander Graham Bell
  
- » the **IRE**
  - (Institute of Radio Engineers, formed in 1912).

# The IEEE is...

- ▣ A world of technology
- ▣ Achieving goals
- ▣ Being a leader

# IEEE Mission

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

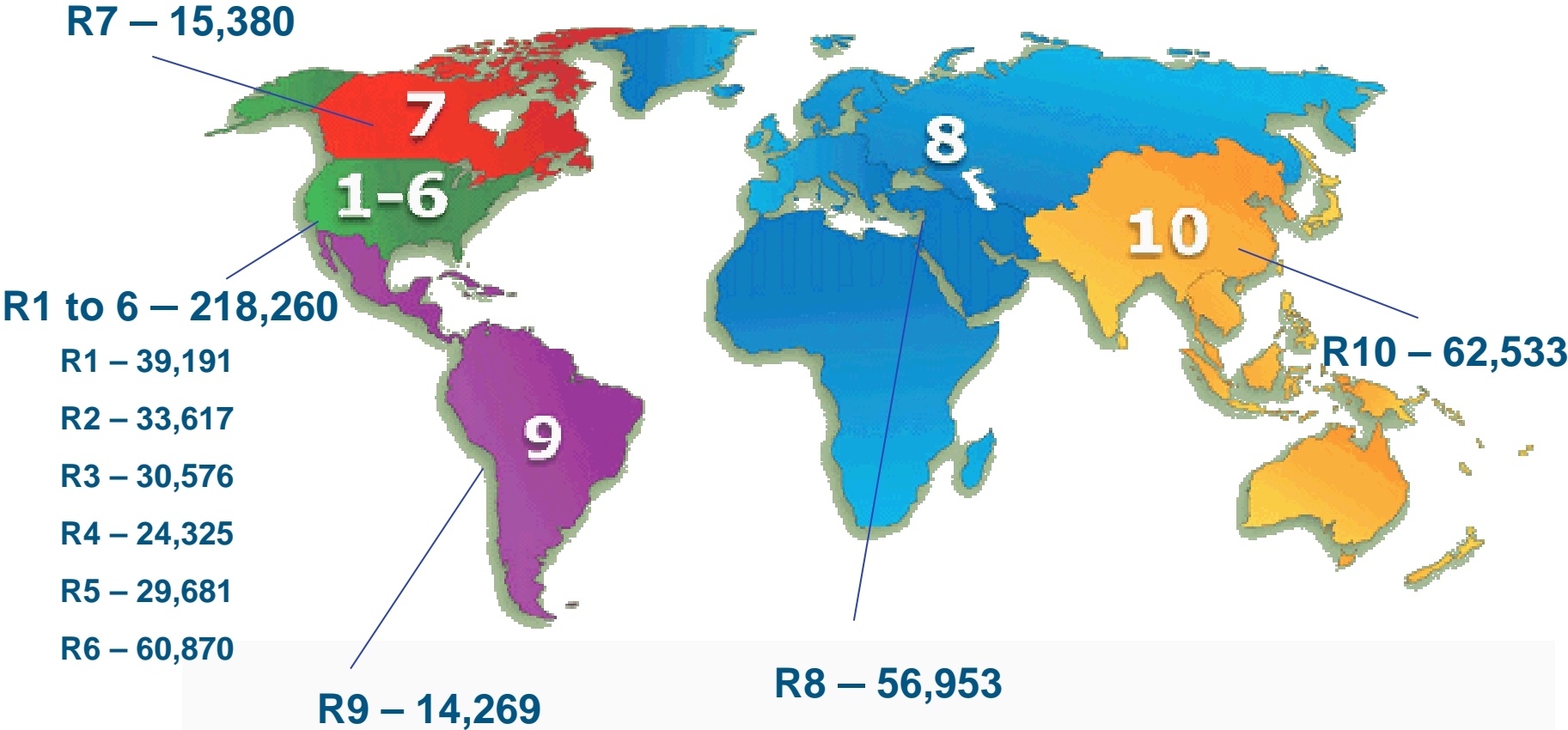
The IEEE promotes the engineering process of creating, developing, integrating, sharing, & applying knowledge about electro- and information-technologies & sciences for the benefit of humanity & the profession

# IEEE Vision

IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

To advance global prosperity by fostering technological innovation, enabling members' careers & promoting community world-wide.

# IEEE Membership by Regions



# Geographical Units

*December 2008*

Regions	10
Sections	329
Subsections (in some Sections)	32
Societies	38
Society Chapters (in some Sections/Councils)	1,860
Affinity Groups	390
<i>Councils (in some Regions)</i>	17
Student Branches	1,789
Student Branch Chapters	483
<i>Student Branch Affinity Groups</i>	390

**In over 160 countries**

# IEEE Today – December 2008

- more than **375,000** members including nearly **80,000** student members in more than **160** countries
- **329** sections in ten geographic regions worldwide
- **1,860** chapters that unite local members with similar technical interests
- **1,789** student branches and 483 student branch chapters at colleges and universities in 80 countries
- **38** societies and 7 technical councils representing the wide range of technical interests
- **390** affinity groups consisting of Consultants' Network, Graduates of the Last Decade (GOLD), Women in Engineering (WIE) and Life Members (LM) groups
- nearly **1,300** standards and projects under development
- more than **2 million** documents in the IEEE/IET Electronic Library
- publishes a total of **144** transactions, journals and magazines
- sponsors more than **850** conferences annually

# IEEE Membership Distribution

## 2006

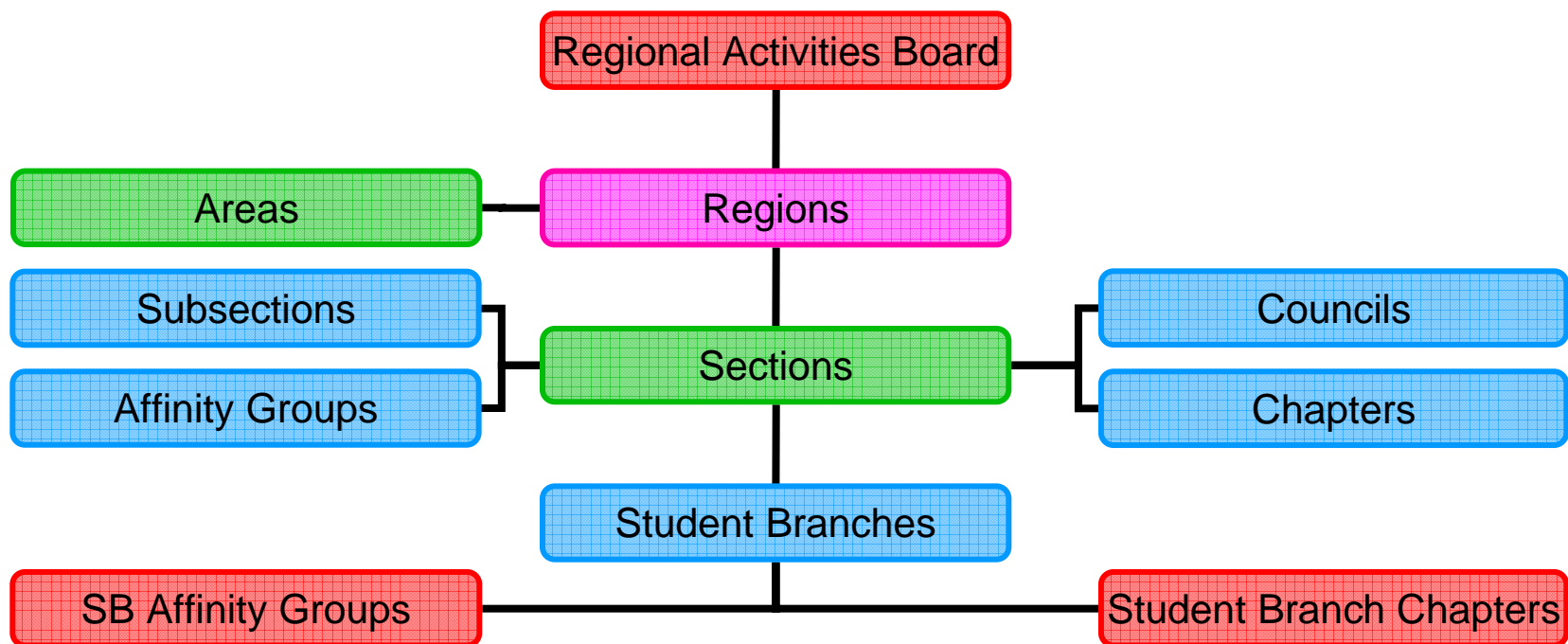
Membership Status	Members in Global Workforce*	Age of Members	Gender of Members	Geographic Distribution
28 Honorary Members 5,888 Fellows 29,140 Senior Members 235,729 Members 23,491 Associates 80,491 Students 374,767 Total	51.3% Industry 20.6% Academia 9.9% Government 8.1% Self-employed 3.3% Retired 2.3% Unemployed 4.5% Other	25.2% Under 30 19.7% 30-39 22.7% 40-49 17.0% 50-59 9.1% 60-69 6.3% 70 and over	9.2% Female 90.8% Male	57.6% United States 18.0% India, China, Pacific Rim 16.2% Europe, Middle East, Africa 4.3% Canada 3.9% Latin America

# IEEE Major Goals

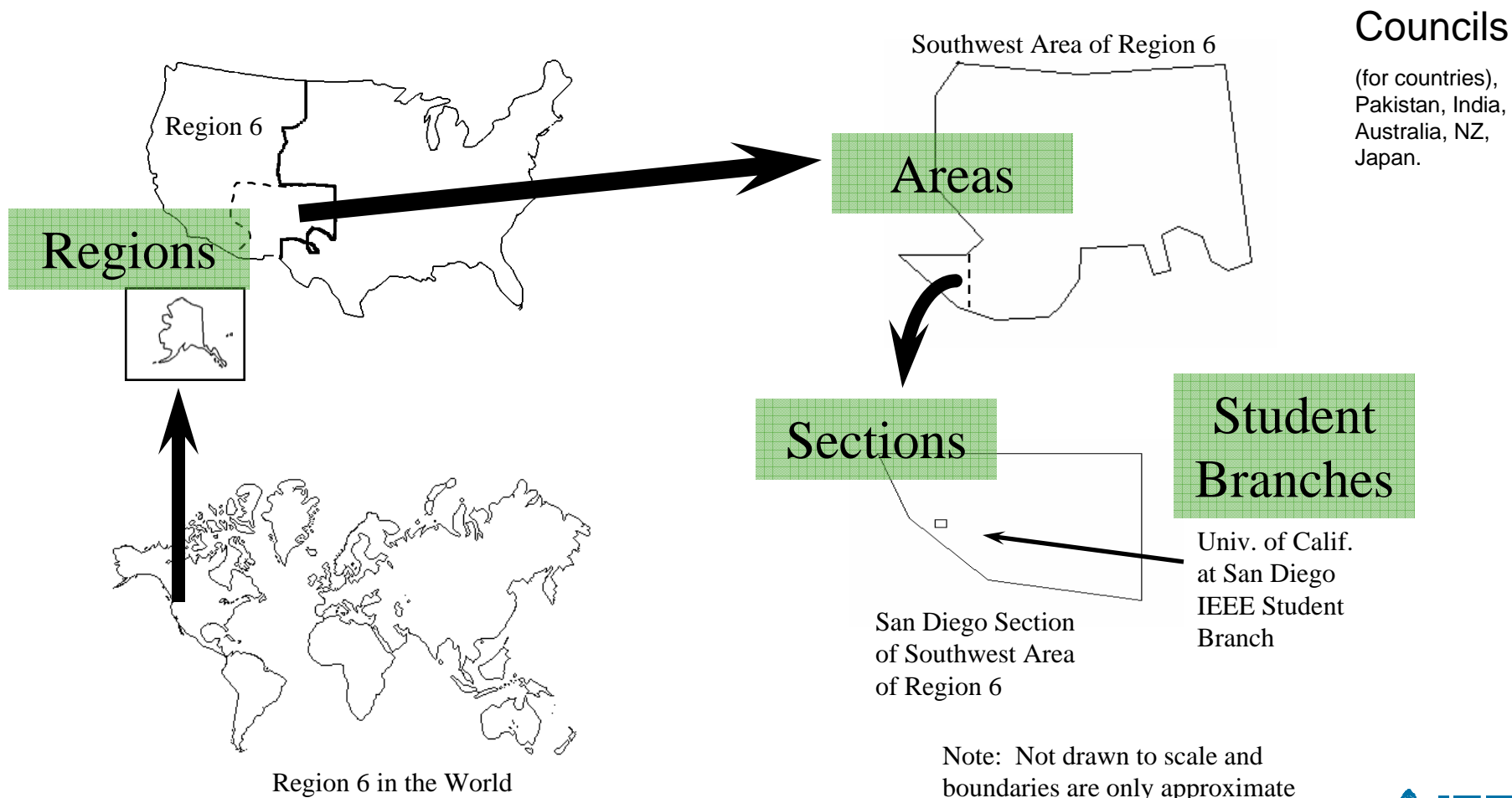
## *Focus on Our Future*

- Increase industry relevance & international standards recognition
- Enhance the volunteer experience and member & customer satisfaction
- Expand technologies covered & openness to members in all disciplines
- Effect cooperation among units & continued financial & business discipline

# Regional Structure



# Geographic Entities of the IEEE



# IEEE Societies

- Aerospace & Electronic Systems
- Antennas & Propagation
- Broadcast Technology
- Circuits & Systems
- Communications
- Components, Packaging, & Manufacturing Technology
- Computer
- Computational Intelligence (formerly Neural Networks)
- Consumer Electronics
- Control Systems
- Dielectrics & Electrical Insulation
- Education
- Electromagnetic Compatibility
- Electron Devices
- Engineering in Medicine & Biology
- Engineering Management
- Geoscience & Remote Sensing
- Industrial Electronics
- Industry Applications
- Information Theory

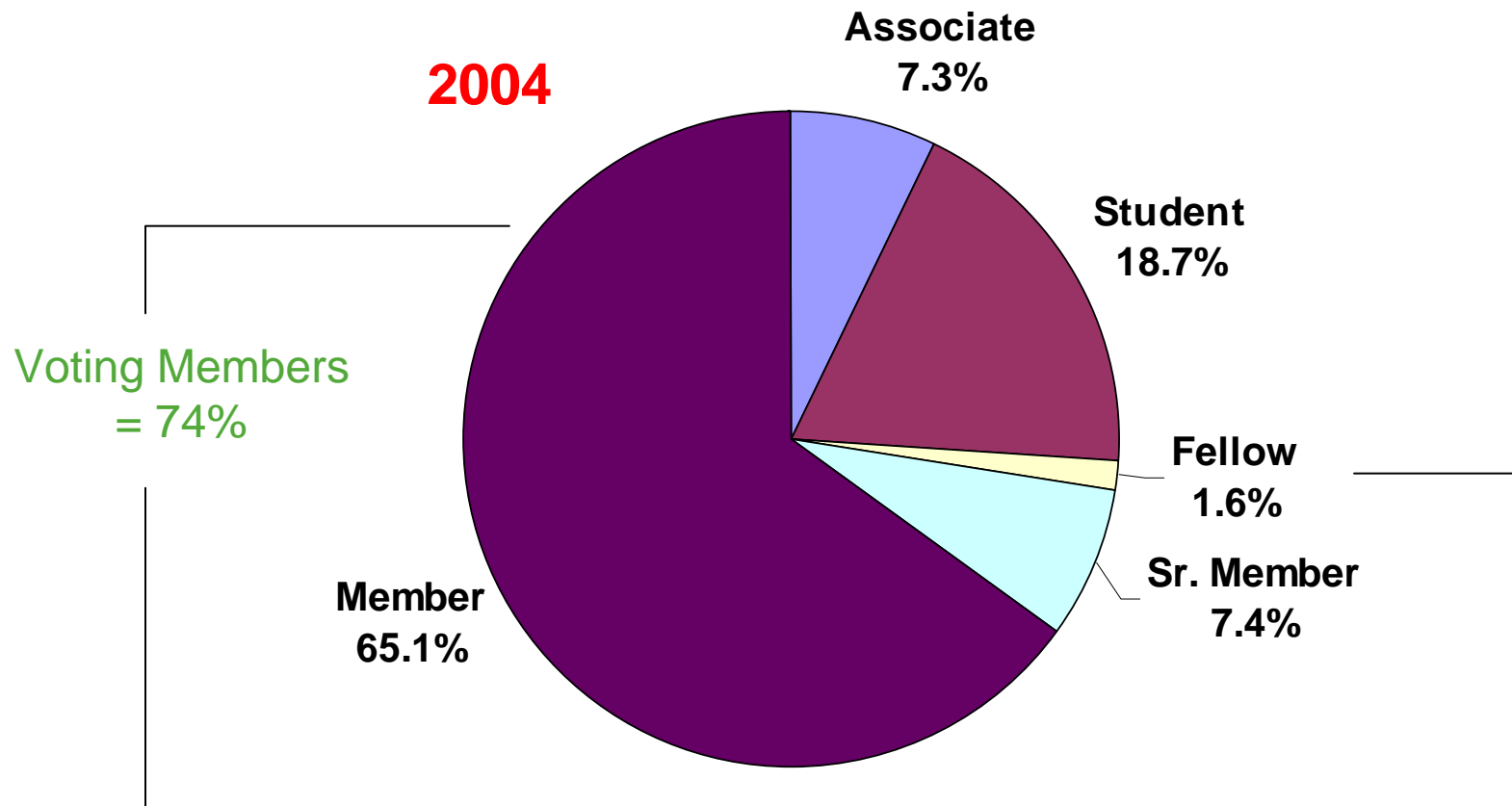
# IEEE Societies

## (Continued)

- Instrumentation & Measurement
- Intelligent Transportation Systems
- Lasers & Electro-Optics
- Magnetics
- Microwave Theory & Techniques
- Nuclear & Plasma Sciences
- Oceanic Engineering
- Power Electronics
- Power Engineering
- Product Safety Engineering
- Professional Communication
- Reliability
- Robotics & Automation
- Signal Processing
- Society on Social Implications of Technology
- Solid-State Circuits
- Systems, Man, & Cybernetics
- Ultrasonics, Ferroelectrics, & Frequency Control
- Vehicular Technology

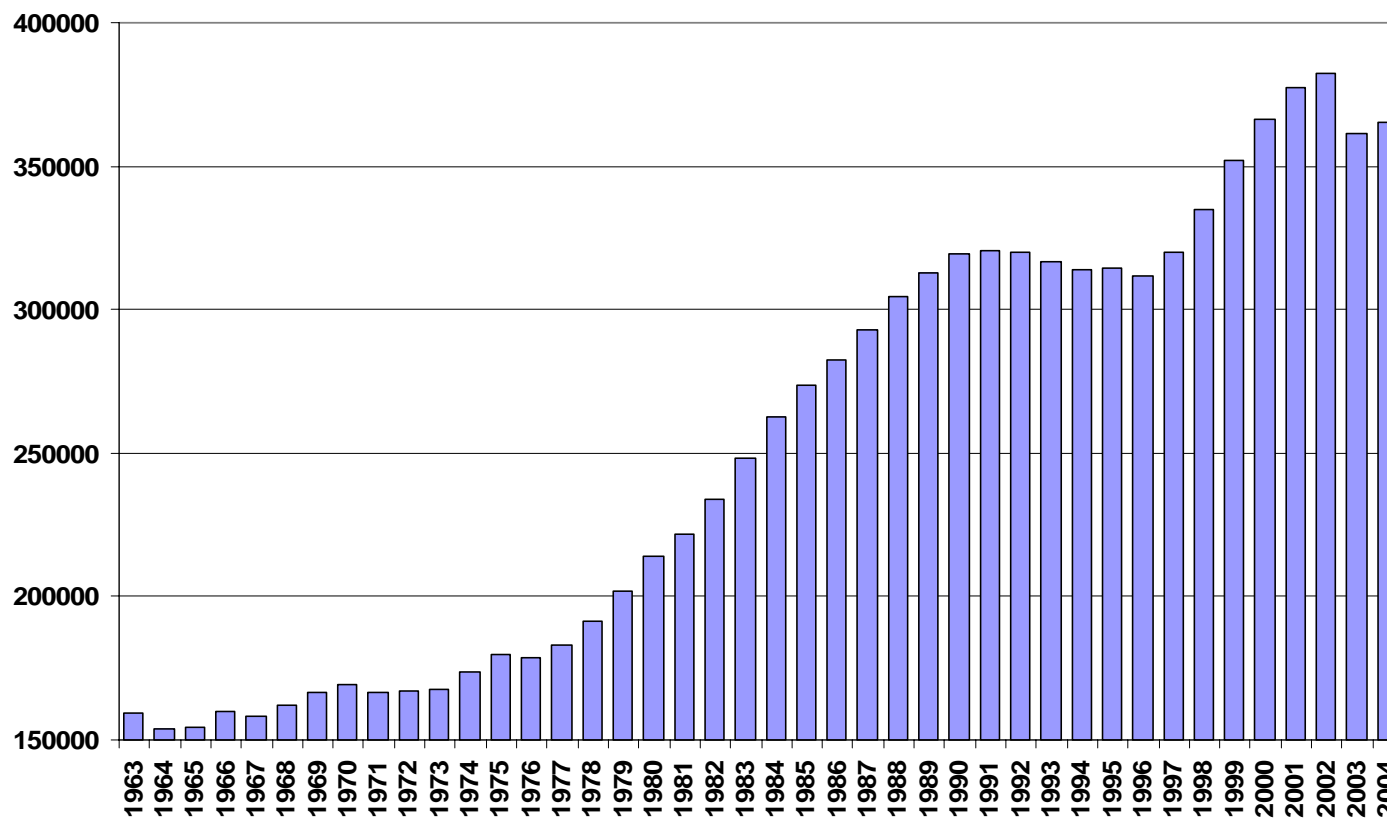
# IEEE Membership by Grade

December 2004



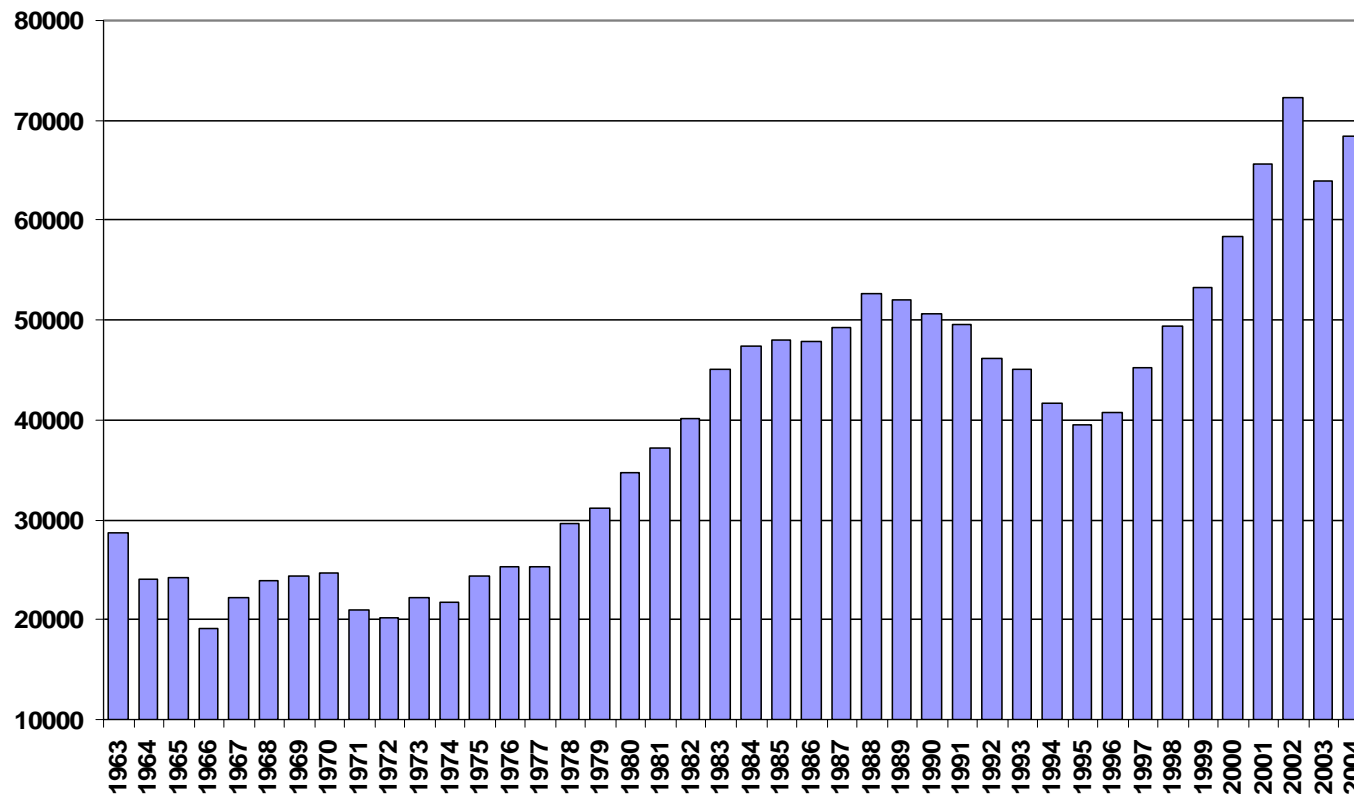
# Long Term Membership Trends

Total Membership - 1963 to 2004



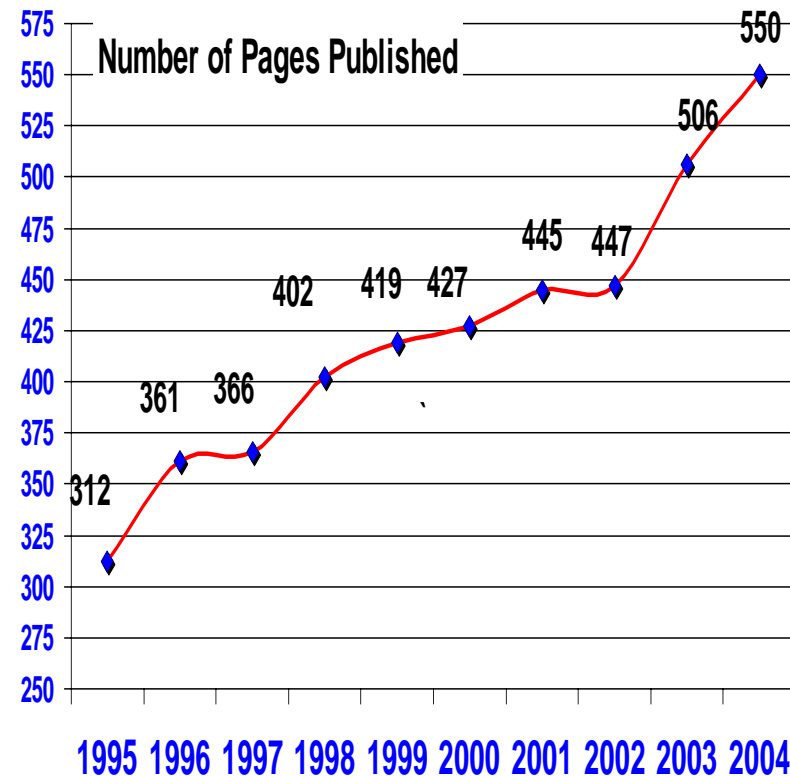
# Student Membership

Student Membership - 1963 to 2004



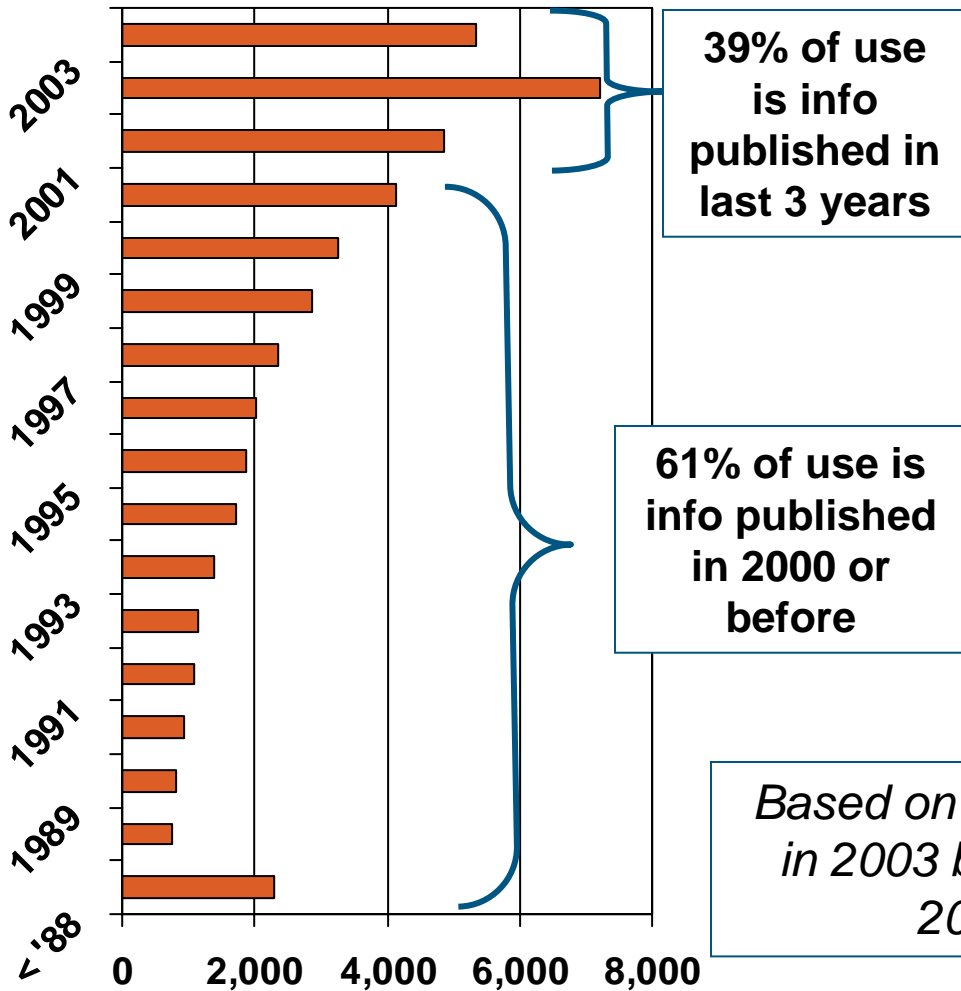
## Fostering Technological Innovation Through IEEE's Growing Amount Of Publications

- 550,000 pages of material annually (approx. 30% of the field)
- 123+ Specialized Periodicals
- >400 Conference Records
- 1,000 Active Standards
- IEEE Press Books
- **Publications include:**  
IEEE SPECTRUM  
THE INSTITUTE  
IEEE POTENTIALS  
PROCEEDINGS OF THE IEEE

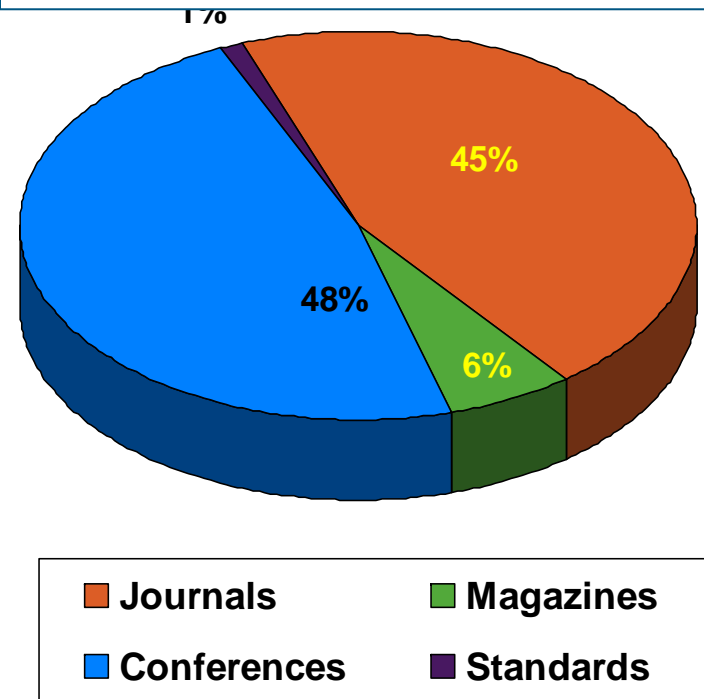


# IEEE Information Is Popular Across Both Age & Type of Publication

Use By Year of Publication

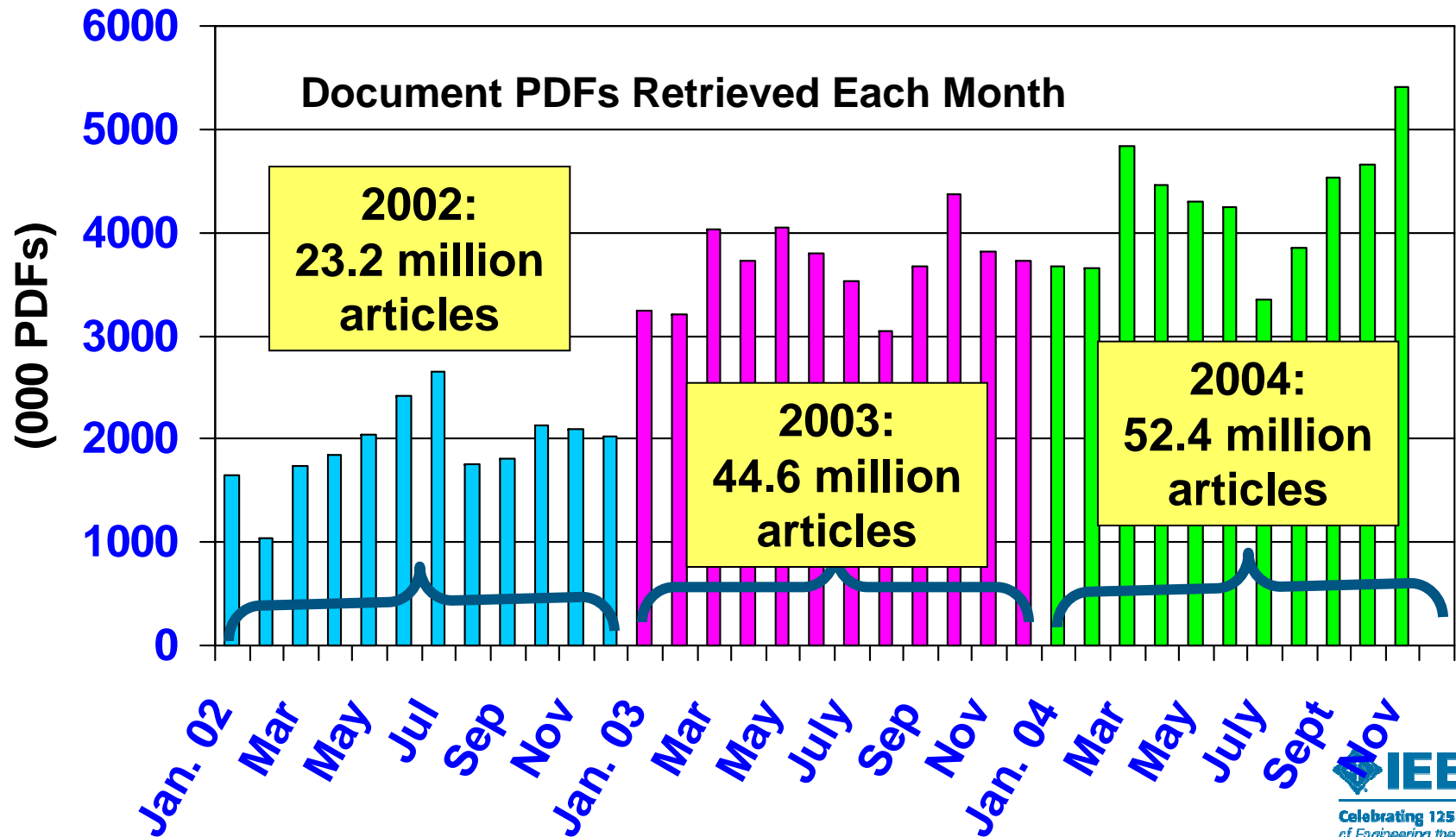


Use By Type of Publication



Based on # of article PDFs viewed in 2003 by users of IEEE Xplore  
2004 trends similar

## Growing Use Of *IEEE Xplore* Confirms The Value Of This Content (On Average 4.3 million articles retrieved each month)



# Career & Educational Activities

*Enabling Careers through Life-long Learning*

- Continuing education programs organized by Sections can be tailored for local membership needs.
- These activities are most important, since they are planned by members & cater directly to member needs.
- *Section Education Chair's Guide to Planning Successful Educational Programs* provides guidelines for organizing continuing education activities.

<http://www.ieee.org/eab/>

# Enabling Members' Careers

- IEEE encourages professional vitality through life-long learning for its members
- International & local conferences, seminars & professional meetings for career development & networking
- Opportunities to develop leadership & other personal skills through volunteer activities
- More than 300 continuing-education & training programs
- Career management tools & resource materials
- Financial services & portable benefit programs

# IEEE Standards Association

**A premier standards developer for today's . . .**

- Global marketplace
- Leading-edge industries
- Professional technologist

**A renowned standards community offering . . .**

- New options for standards development-- corporate program and others
- International partnerships—with IEC, ISO, ITU
- Technology leadership & expertise
- Membership & networking
- Quality products & services

<http://standards.ieee.org/>

# IEEE Awards

The most prestigious Technical Awards Program in the world

- Medal of Honor/IEEE Medals
- IEEE Fellows
- Technical Field Awards
- Honorary Membership
- Service Awards
- Corporate Recognitions
- Prize Papers
- Scholarships
- Society & Conference Awards
- Public Service & Professional Recognition
- Geographic Entity Awards

<http://www.ieee.org/awards/>

# Professional/Societal Activities

- Career enhancement
- Technology policy
- Ethical conduct
- Social implications of technology
- Public understanding
- National Society agreements
- Financial products & services

# Promoting Community Worldwide

- IEEE creates a sense of family & a community of members worldwide by:
  - Extensive network of IEEE Societies, Sections, Chapters & Student Branches
  - Serving as a vehicle to promote the industry & the profession
  - Recognizing engineers' accomplishments through peer awards
  - Establishing cooperative agreements with other technical societies around the world

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Thank you for being a Member.  
IEEE membership can now be **renewed**.

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**TOOLS & UTILITIES**

**Volunteer Desktop**  
myVolunteering, volunteer updates, volunteer resources

**Knowledge Desktop**  
mySubscriptions, search IEEE Xplore search

**Community Desktop**  
mySection, Section updates, IEEE worldwide, upcoming conferences, search advanced Member grade elevations

**Profession Desktop**  
Search IEEE Job Site and Consultants Database, IEEE awards and scholarships updates

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Renew online with these acceptable payment methods: MasterCard, Visa, American Express, or Diners Club.

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[The Emerging Field of Biomedical Engineering](#)

[Careers in Information Technology](#)

**myMEMBERSHIPS** ?

**IEEE Industry Applications Society**

**Next Conference:**  
No Conferences are scheduled at this time

**IEEE Power Electronics Society**

**Next Conference:**  
30 Aug - 01 Sep 2006 | Portoroz, Slovenia  
[2006 12th International Power Electronics and Motion Control Conference \(EPE/PEMC 2006\)](#)  
[more conferences](#)

**SERVICE ADVISOR** ?

**My Technical Interest Profile (TIP):**

1. Industry Applications
2. Power Electronics
3. Power Electronicsdc-To-Dc Converters & Dc Power Supply Systems
4. Rectifiers & Ac Power Supply Systems
5. Other-Power Electronics

Select [Update Profile](#) to revise your technical interest profile.

**RECOMMENDED MEMBERSHIPS:**

**“Volunteering with IEEE resulted in professional contacts THAT HAVE endured for decades.”**  
*Sally Thomas, IEEE Senior Member*

**SPECTRUM** ?

[Digital Dullard](#)

[Sun's Big Splash](#)

[Super Charged](#)

[more headlines...](#)

**Institute** ?

[Stepping Up Senior Memberships Takes Teamwork](#)

[Speech Technology Pioneer Receives IEEE Medal of Honor](#)

[Readers' Survey: Thumbs Up for The Institute](#)

[more](#)

**IEEE STANDARDS NEWS** ?

[IEEE BEGINS WIRELESS, LONG-WAVELENGTH STANDARD FOR](#)



## ...Being a Leader

The IEEE, through its members, provides leadership in areas ranging from aerospace, computers & communications to biomedical technology, electric power & consumer electronics.

For the latest research & innovations in the many diverse fields of electrical & electronics engineering, industry & individuals look to the IEEE.

# IEEE

- ❑ Foster technological innovation
- ❑ Enable members' careers
- ❑ Promote community worldwide

IEEE members have advanced the profession and developed technologies that benefit humanity.



# Join Today

Visit

<http://www.ieee.org/join>

<http://ewh.ieee.org/r10/lahore>



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**IEEE**  
Celebrating 125 Years  
of Engineering the Future

# Welcome Lahore Section

History IEEE Lahore Section



Home | IEEE Lahore Blog | Join Entry | Contact Us

- Home
- History
- Executive Committee
- Student Branches
- Chapters
- Societies
- Awards
- Memberships
- Invited Lectures
- Conferences / Workshops
- AGM
- Student Activities Committee
- Secretariat
- Summary Of Activities

**ANNOUNCEMENTS**

Internship ←

## EVENTS

**CELEBRATING 125 YEARS OF IEEE**  
A Talk by  
**Dr. Ishfaq Ahmad**  
*Professor UT Arlington, Fellow IEEE*

*“Power-Aware High-Performance Computing:*

*The Dawn of the Green Computing Era”*

**Date & Time: Thursday June 04, 2009 at 3:00 p.m.**

**Venue: Auditorium (A-16), LUMS, DHA, Lahore.**



What do you want to do?

- Become a [Member](#)
- [Renew Membership](#)
- [Elevate your Member Grade \(Senior Member\)](#)
- [Find Societies by Interest](#)
- [Join a Society](#)
- [Find a Technical Conference](#)
- [Browse Call for Papers Deadlines](#)
- [Find Publications](#)
- [Get Manuscript Submission Guidelines and Tools](#)
- [Initiate Formation of a Society](#)
- [Initiate Formation of a Technical Council](#)
- [Become a Society/Council Volunteer](#)

Internet 70%

# Thank You