

The State of IEEE

John Vig

2009 IEEE President and CEO

IEEE Region 10 Annual Meeting

28 February 2009

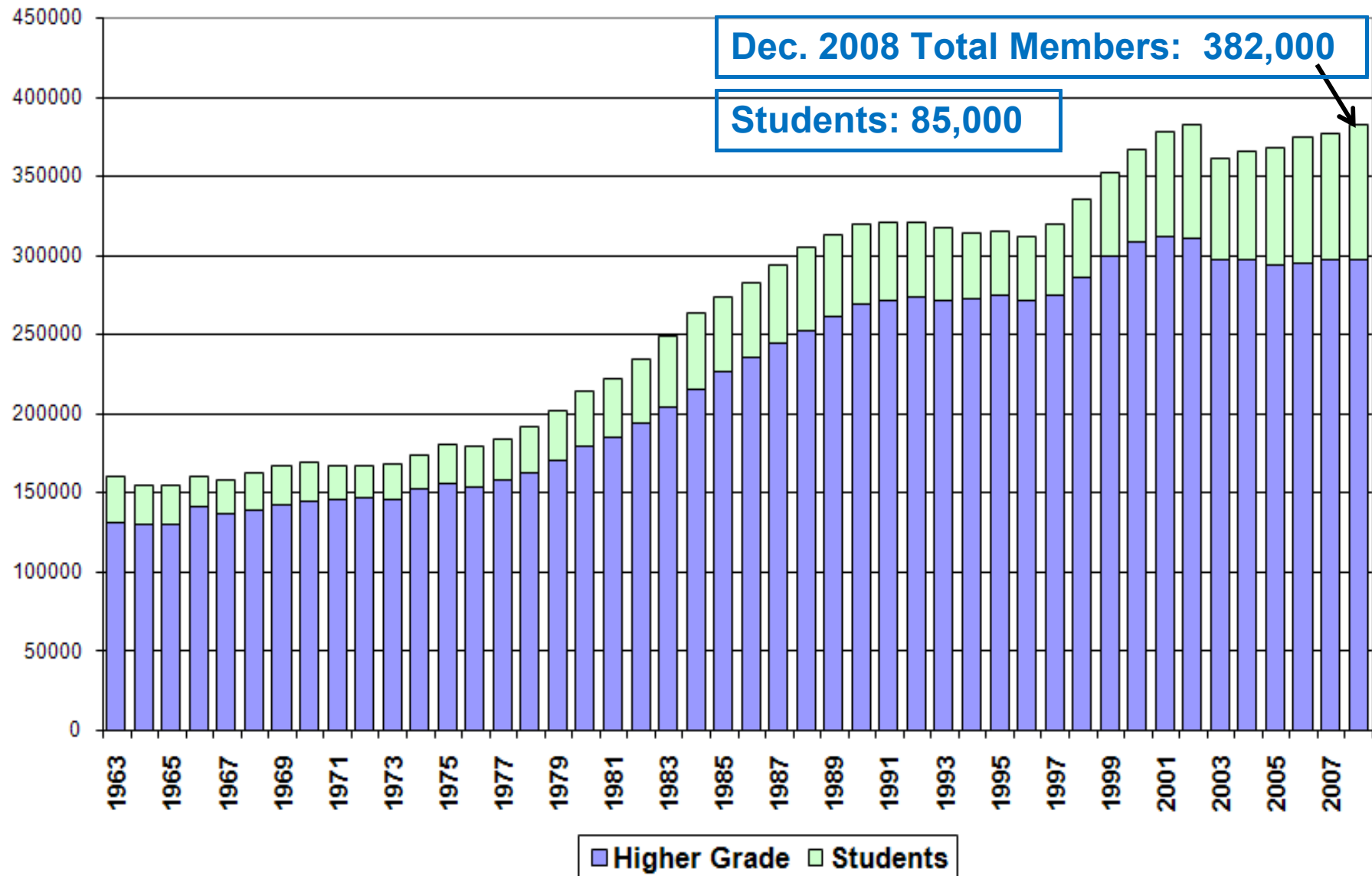
Hanoi, Vietnam

2009 Outlook

- “Cautiously optimistic” about **IP Revenue**; on track with the 2009 budget projection.
- **Membership** revenue is OK, so far; but renewals have started to lag as compared to the same time period last year. ...We’ll know more after the terminator is run in a few days.
- **Conference** data is mixed. Some increases; some decreases in attendance. It is too early to determine if the conference business is softening.
- **Worldwide economic slowdown is likely to affect revenues and membership**

Membership

Historical IEEE Membership Trends - 1963 to 2008



Publications

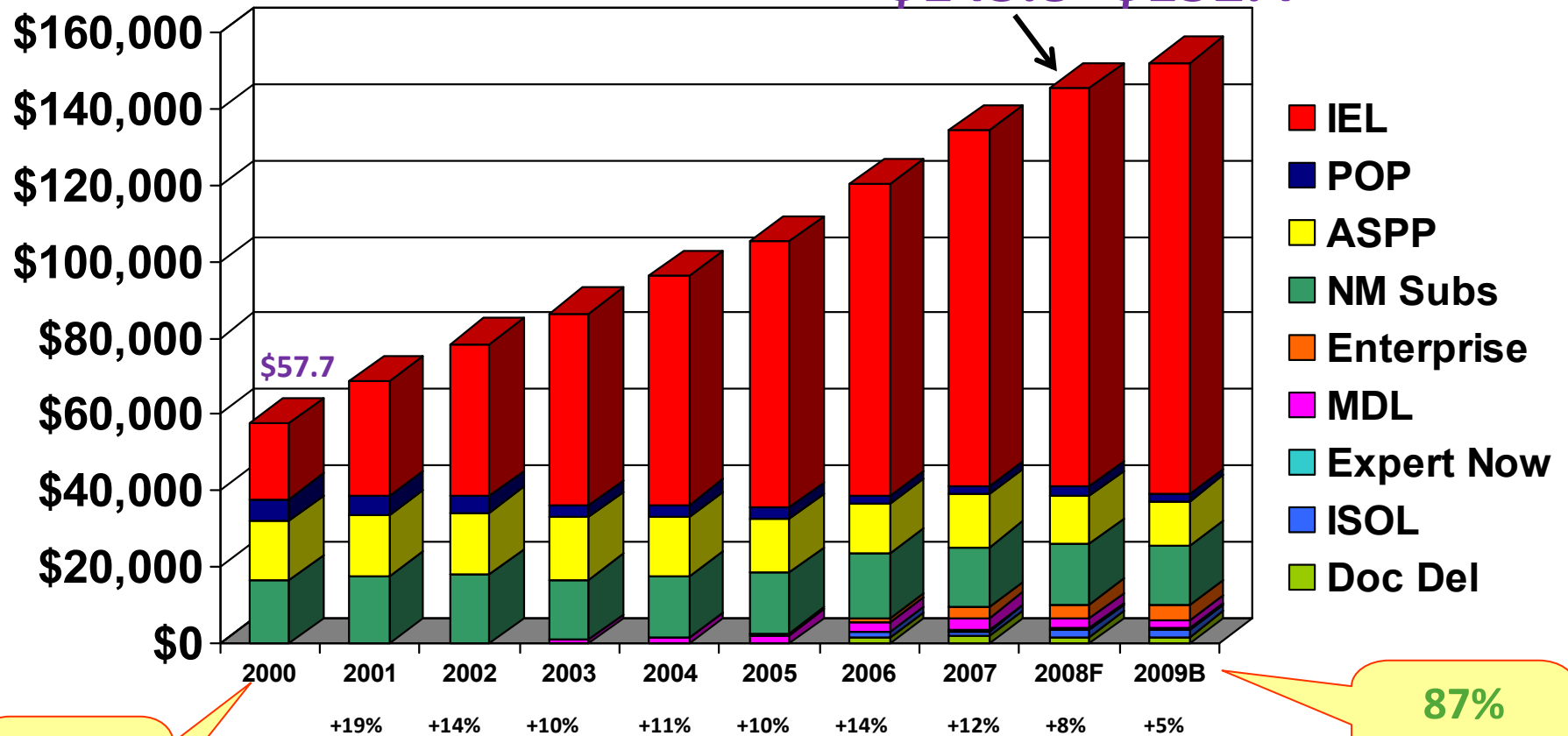
IEEE Publications Today

- **Record number of authors**
 - 171K articles published in 2008 -- (32K journal + 139K conference articles); 2 millionth in Xplore in a few weeks
- **More people using our information**
 - 4,300+ customer sites, worldwide, accessing our electronic packages -- >3x the '04 number
- **More reading more IEEE material**
 - >80 million downloads from Xplore in 2008 -- up 60% from 2004

Web-Based Products Transformed IEEE's Pubs Revenue Stream

2000-2009B in \$ millions earned

\$145.8 \$152.4



20% Online

(Total Publications Package revenue, all media. Excludes Society-only products.)

87% Online

Open Access

- OA = providing content free of charge on the Internet
- OA Types: immediate, delayed, OA archiving...
- >3K OA journals, per www.doaj.org, including OEEE, www.bentham.org/open/toeej/
- IEEE authors may post own papers in OA archives
- 31% of 2005 IEEE articles & 36% of 2001 articles were OA by 2007 (e.g., via www.scholar.google.com)
- Per www.eprints.org/openaccess/policysignup (Sept 08):
 - 27 Funder Mandates (US NIH, Canadian NRC, EC, UK agencies...)
 - 22 Institutional Mandates (CERN, universities...)

Conferences

IEEE Conferences

- In 2008 IEEE...
 - **Sponsored over 900 conferences**
 - **~560 financially sponsored (52% in R7-10)**
 - **~350 technically cosponsored (84% in R7-10)**
 - **In 62 countries**
 - **Touched approximately 400K attendees**
 - **>100K presentations**
 - **Generated over \$100 million in revenue**

Threats to Conferences Business

- Easy to start a competing conference
- Easy to get IEEE technical cosponsorship (use of IEEE logo/brand); geo units are technically cosponsoring competing “international” conferences
- Easy to develop an emailing list & website
- Easy to get proceedings into Xplore
- Sponsorship and tech cosponsorship are the same to most people; both are an “IEEE conference.”

Future Revenue Source Possibilities

- **More & larger exhibits (~\$23M business!)**
- **Continuing education – tutorials, short courses, workshops...**
- **Presentations online (conferences, short courses, DLs...)**
- **Advertising (online ads, especially; partner with Google?)**
- **Certification of competency, including courses leading to certification**
- **Standards - certification of product compliance & educational products**
- **Outside sponsorship of humanitarian, sustainability & similar activities**
- **Data & IP (Xplore) related services; data mining for ???**
- **Expert services, white papers, market surveys, technology trends info**
- **What else???**

John Vig, 18 Nov 2008

Human Resources

IEEE – Overview of Staff Data Year-end 2008

■ Regular Full-time Staff	920
■ Regular Part-time Staff	37
■ Staff on a leave of absence	13
■ Temporaries	67*
■ Contractors (consultants)	35**
■ Open staff requisitions	23
■ Open temporary requisitions	4

Total Headcount

1,099

- * 38 of 67 extended into 2009
- ** 30 of 35 extended into 2009

Volunteer Resources “arithmetic”

>200K is a safe number because...

<p>32K journal articles (some with low acceptance rate, some high) Assume 50% average acceptance rate ~64K articles must have been submitted to yield 32K published. Average number of referees per paper is 3; average number of authors (who ARE also volunteers) is above two, so assume five volunteers -- reviewers, authors and editors -- contribute to each paper ; $5 \times 64K = 320K$</p>	~300K
<p>139K conference proceeding articles, adjusted for acceptance rate (~70%) and the number of authors & reviewers per article (2+) =</p>	~400K
<p>~900 conferences Typical conference (not larger ones): at least 100 volunteers for committees: organizing, technical program, local arrangements; editorial, publicity =</p>	~100k
<p>~3K sections, chapters, student branches, societies, councils >30 officers, committee members, other volunteers per such OU =</p>	~100K
<p>~900 published standards, plus 400 more in progress Working group volunteers, balloting volunteers, etc. =</p>	>20K
<p>Some do >1 job, so, rough estimate = $>900K \div 4$</p>	>200K

Volunteers and Staff comprise a formidable team





**IEEE... CELEBRATING
125 YEARS
*OF ENGINEERING THE
FUTURE***

WWW.IEEE125.ORG

ENGINEERING THE FUTURE EVENT SERIES

Eight Key Celebrations Bringing Together Members, Volunteers, and Customers

- ❑ Munich, Germany 27 April
- ❑ Austin, Texas, USA 30 April
- ❑ Boston, Massachusetts, USA 11 May
- ❑ **Beijing**, China 8 June
- ❑ **Bangalore**, India 29 August
- ❑ San Jose, California, USA 16 September
- ❑ London, UK 6 October
- ❑ **Tokyo**, Japan 30 October

125th Anniversary Activities

Additional celebrations and activities around the world throughout 2009

- IEEE Sections, Societies, Chapters, Student Branches, Affinity Groups - Examples:
 - Over 200 Sections pledged to celebrate locally
 - IEEE 125th Anniversary R10 Student Congress
 - GOLD “Pass Along” Video
 - PES celebrates PES and IEEE 125th
 - Members say Happy Anniversary on YouTube & FaceBook

IEEE Presidents' 'Change the World' Competition

- **Students Create Solutions to Real World Problems**
- **Individual IEEE Student Members or teams led by Student Members**
- **Entries accepted
1 Sept 08 to 28 Feb 09**
- **Prizes funded through Life Member fund**

100+ pre-registrations

Initial judging by SAC chairs; final selection by three P's.

Top Prize: US\$10,000

Top three finalists to be invited to 2009 Honors Ceremony

One People's Choice prize; voting open

Be an Ambassador...

- **Promote IEEE & the 125th**
- **Promote “IEEE: One Voice”**
www.ieee.org/go/brand_videos
- **Identify Technical Experts**
- **Stay Connected– Visit Websites:**
www.ieee.org/go/visibility
- www.ieee125.org



**So, thank you for your
contributions and your
dedication to IEEE.**

**And, oh, yes... be sure to also
have fun, and...**



**...dance
more!**