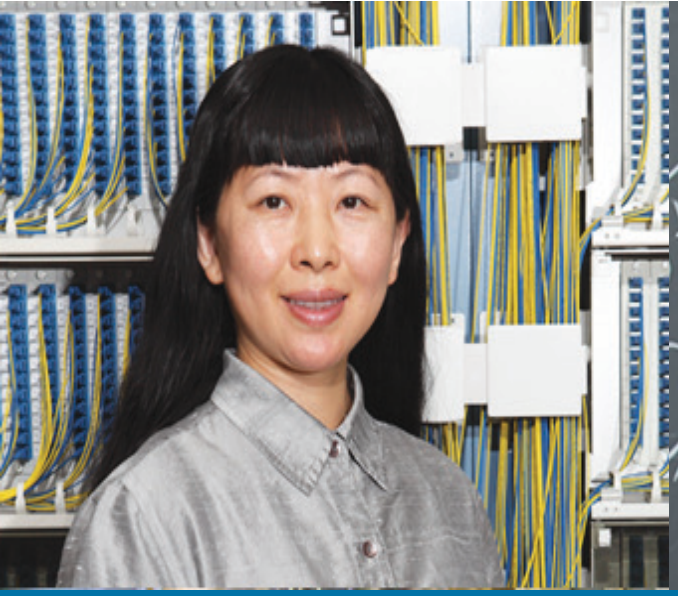


IEEE Women in Engineering (WIE)

Takako Hashimoto, WIE Committee Chair
Nita Patel, Past Chair, WIE Committee
Keyana Tennant, WIE Program Manager
Paola Bringas, WIE Administrative Assistant

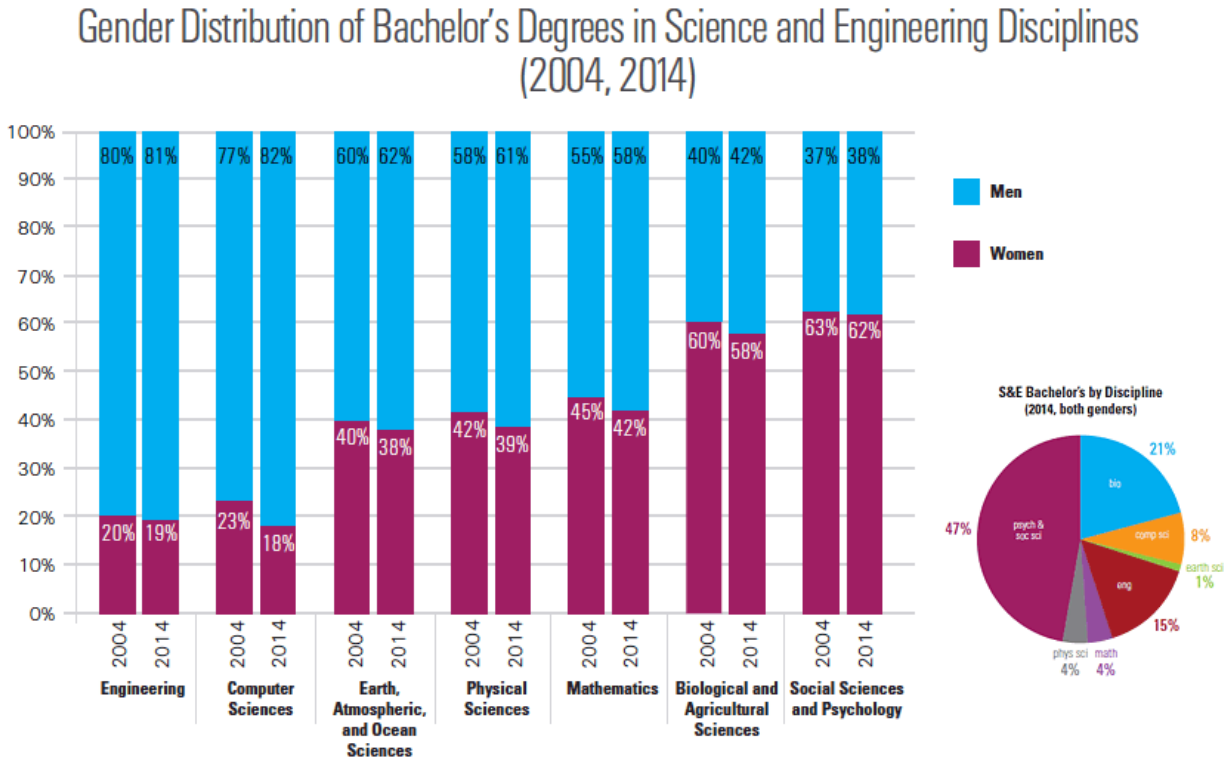
Presentation for Region 3 Meeting at SoutheastCon 2015
By Cathy Freeman, Region 3 WIE Coordinator

Mission

- The mission of IEEE WIE is to facilitate the global **inspiration, engagement** and **advancement** of women in technical disciplines. IEEE WIE envisions a vibrant community of IEEE women and men **collectively** using their diverse talents to innovate **for the benefit of humanity**

Why WIE?

With data current through October 2014



Note: Analysis is based on Clearinghouse degree records with field of study reported, which represent approximately 87 percent of all degrees reported to IPEDS. Percentages may not sum to 100 percent because of rounding. Professional degrees excluded. Detailed data tables for all 11 years can be downloaded from the NSC Research Center website at http://nscresearchcenter.org/wp-content/uploads/Snapshot_15_S-E_Degrees_Data_Tables_2013-14.xlsx.

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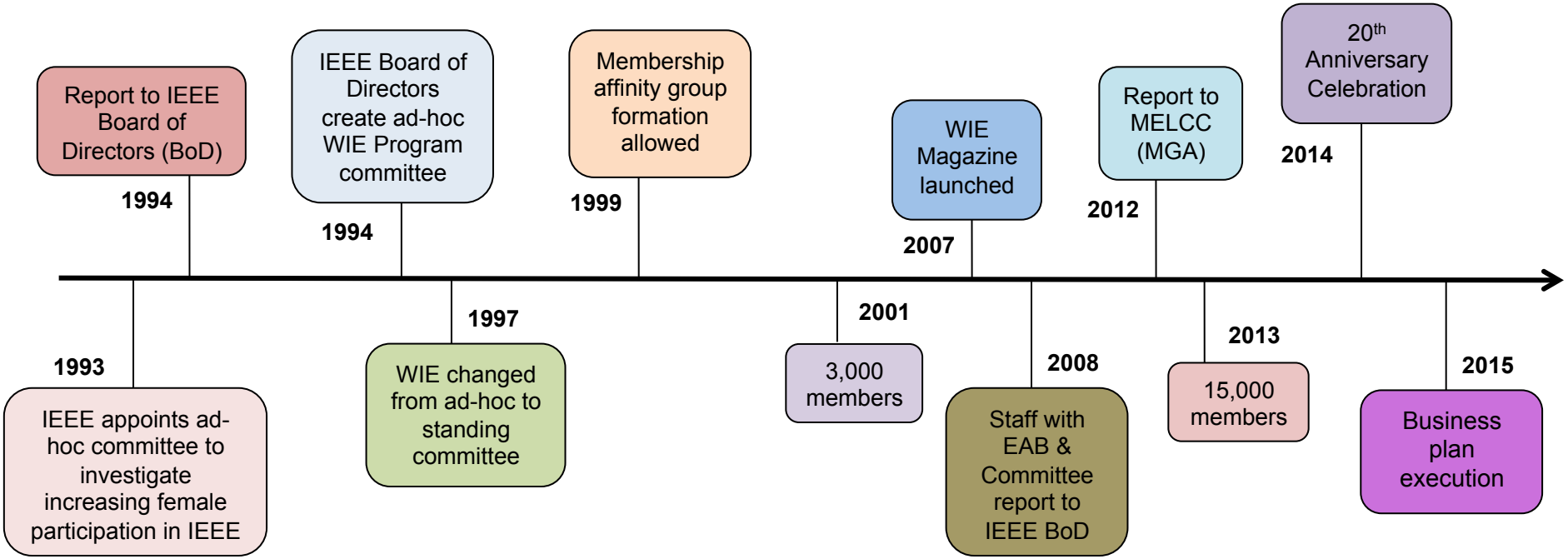
Where are the WIE?

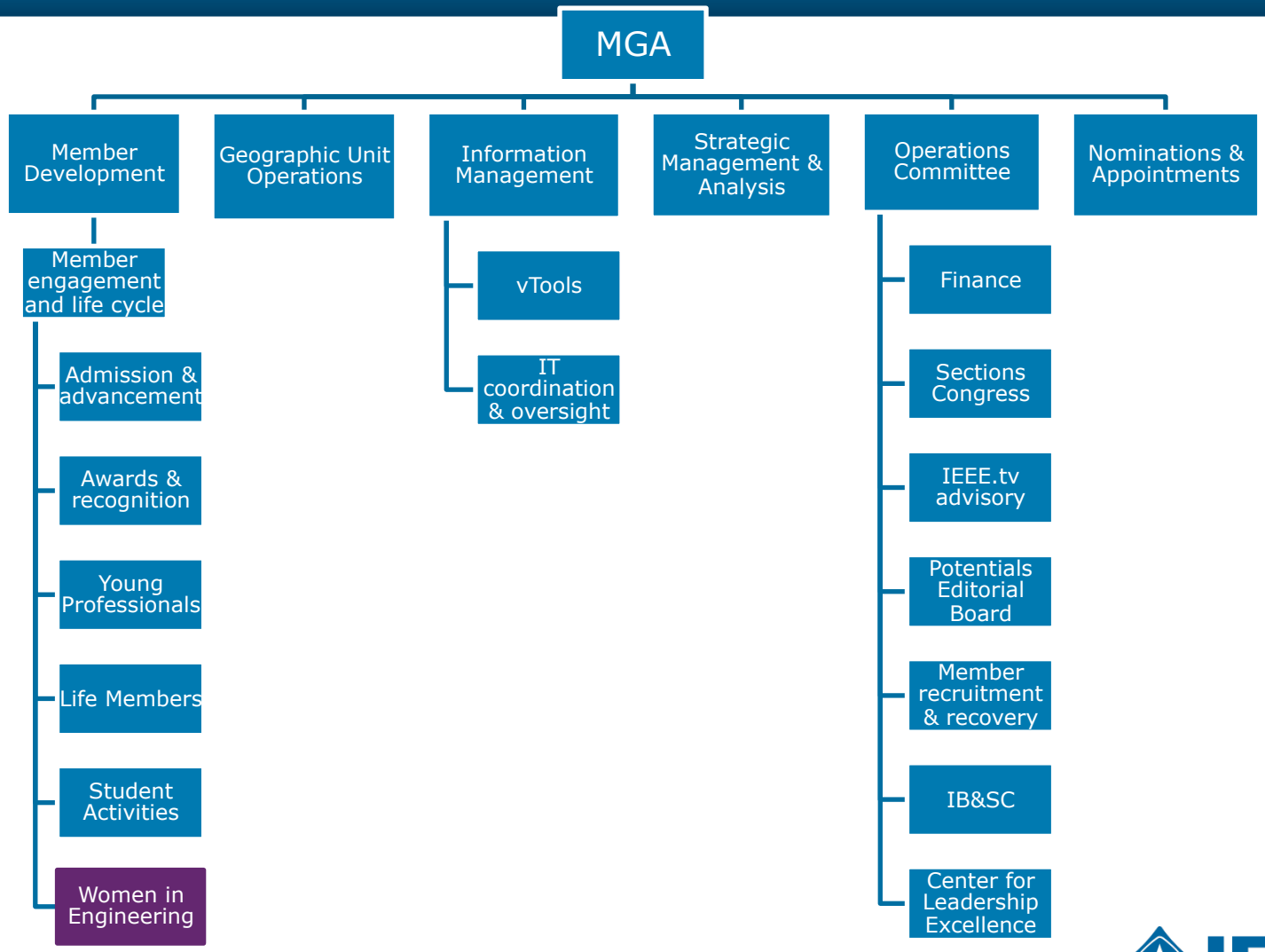
Objectives

- **RECOGNIZES** women's outstanding achievements in electrical and electronics engineering,
- **ORGANIZES** receptions at major technical conferences to enhance networking and to promote membership in WIE
- **ADVOCATES** women in leadership roles in IEEE governance
- **PROVIDES** assistance with the formation of new WIE Affinity Groups and supports ongoing activities
- **ADMINISTERS** the IEEE (STAR) Program- Pre-University Outreach
- **PROMOTES** member grade advancement
- **FACILITATES** the development of programs and activities that promote the entry into and retention of women in engineering programs

WIE History


1993
IEEE appoints ad-hoc committee to investigate increasing female participation in IEEE
1994
Report to IEEE Board of Directors (BoD)
1994
IEEE Board of Directors create ad-hoc WIE Program committee
1997
WIE changed from ad-hoc to standing committee
1999
Membership affinity group formation allowed
2001
3,000 members
2007
WIE Magazine launched
2008
Staff with EAB & Committee report to IEEE BoD
2012
Report to MELCC (MGA)
2013
15,000 members
2014
20th Anniversary Celebration
2015
Business plan execution

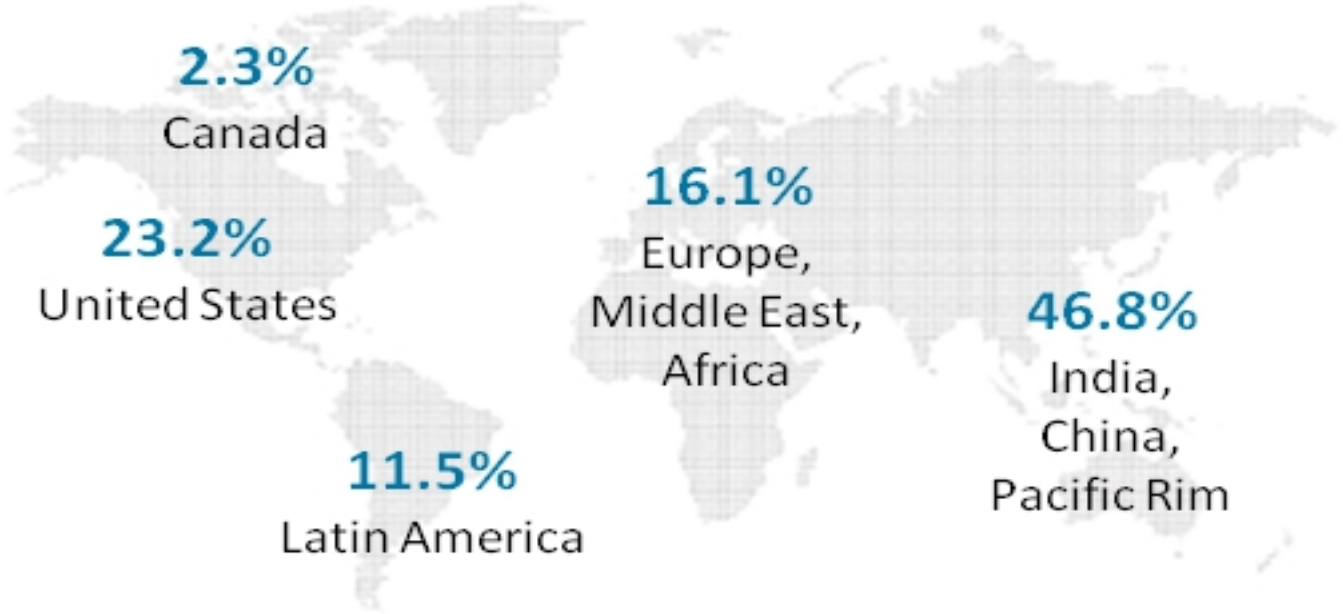
MGA Organization



WIE Membership

- Membership option available to both men and women.
- Dues waived for Student Members, Graduate Student Members, and Life Members.
- Higher Grade Members pay a fee of $25 US.
- FYI- a 1/3 of WIE's Membership is male.

WIE Membership (~16,422)



WIE Global Membership

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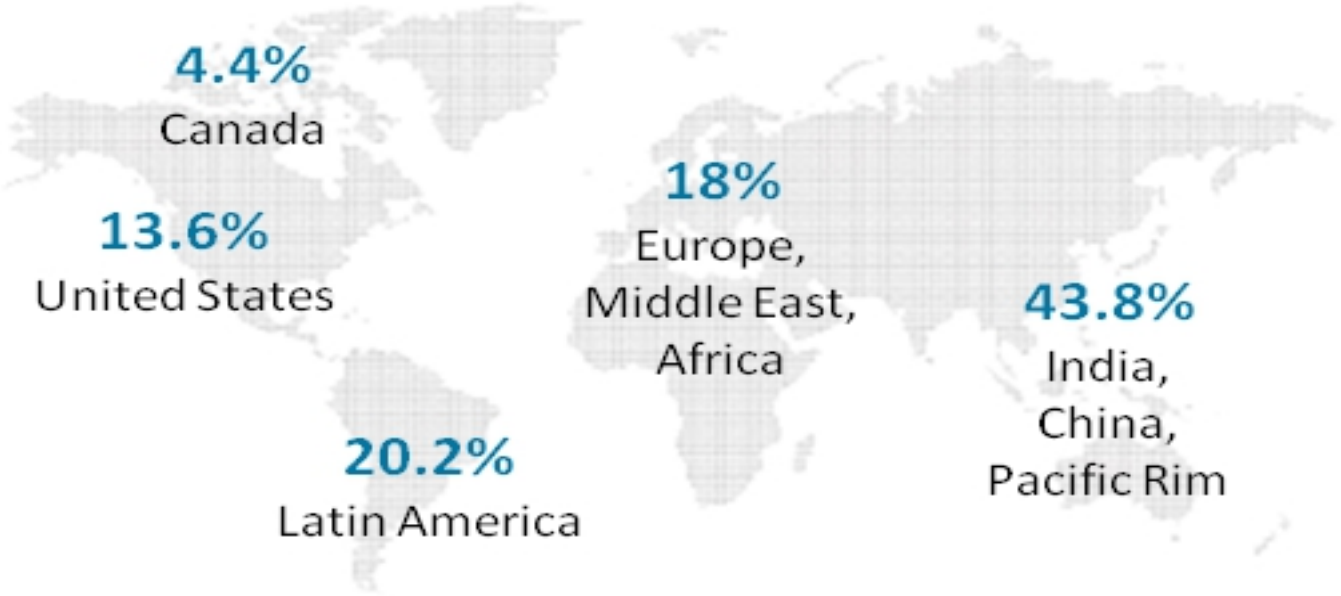
WIE Affinity Groups (~515)



WIE Global Affinity Groups

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2014 Highlights and Resources

2014 IEEE WIE (Looking Back)

- ☑ 20th Year Celebration
  - Faces of WIE
  - Sections Congress 2014
- ☑ International Leadership Conference
  - Net positive ($20k+)
- ☑ WIE In-person meeting
  - 56 attendees!
- ☑ Business Plan
  - ☑ MGA OpCom
  - ☑ June board series – plan approval
  - ❑ November board series – budget approval
- ☑ Affinity Group Support
- ☑ AG volunteer training
- ☑ WIE chats/webinars
  - IEEE-USA eWeek (6)
  - Global Marathon (2)
  - Young Professionals (3)
  - Regular (5)
- ☑ Communications
  - Facebook (106,000+ likes)
  - E-mail campaigns (6)
  - Magazine (2)
    (Won APEX Award)
  - Newsletter (10)

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2014 Highlights

- 20th Year Anniversary Activities
- Member Testimonials Submitted
- The growth of Affinity Groups continued increase, as of January 2015, there are **515 WIE Affinity Groups**
- The 2013 IEEE Student WIE Student Branch Affinity Group of the Year Award went to the **IEEE WIE University of Melbourne**
- The 2013 Affinity Group of the Year went to the **IEEE WIE South Brazil (R9)**
- The IEEE WIE Edith Hannigan McHale Scholarship was awarded to **Chrishawna Martin(High School)**

2014 Highlights

- **15,600+ Members** as of December 2014
- IEEE Societies appointed **36 Society Coordinators to the WIE Committee**
- WIE Facebook page reached **110,600+ "likes"** www.facebook.com/ieeewomeninengineering
- Engaged **100,000+** professionals and students
- **150+ WIE events in 2014*** including professional, regional, and student activities
  - *indicates only the activities made known to WIE Staff
- IEEE WIE Frances Hugle Scholarship approved $100,000 endowment

2014 WIE Committee

2015 IEEE WIE (at a glance)

☑ Business Plan
- Staffing
- Budget allocation
- Operational changes
- Program initiatives

☑ International Leadership Conference
- Apr. 23-25, San Jose, CA

☑ Women in Leadership Summits

☑ R1&R2 Joint (Nov)
- R10 (Aug)
- R9

☑ Communication Platform
- Website
- Magazine
- Newsletter
- Marketing, publicity

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LEAD BEYOND

Accelerating Innovative Women who Change the World

@WIEILC #WIELEAD

ieee-wie-ilc.org

23-25 April 2015
Capital of Silicon Valley
San Jose, CA (Marriott Downtown)

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IEEE Women in Engineering

2015 IEEE Women in Engineering International Leadership Conference (ILC)

- San Jose Marriott, California, USA
- April 23 -25, 2015 (pre-reception April 23rd)
- $122.5k in corporate Partnerships secured (as of January 2015)
- 162 Registered Attendees
- 46+ program speakers confirmed (including Intel CEO, Brian Kraznich and Lisa Su, CEO AMD)
- 31 Travel grant recipients ($25k in travel stipends)
- Limited space, register soon! ieee-wie-ilc.org

Limited Seating
Register Now

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Women in Leadership Summits - NEW

- Chair: Ramalatha Marimuthu
- Members: Darwin Jose Raju., Holly Cyrus, Rabail Raza

Support the development and execution of Regional WIE Leadership Summits. The theme of the workshops can be chosen by the organizer in line with the goals of IEEE Women in Engineering. The summits allow for continuation of discussion on leadership topics raised at the Leadership Conference. Events to be conducted every year under the banner of IEEE women in engineering

- MOU – financial structure
- Open call for proposals for GEs starting in 2017
- Report on the events in 2015 & 2016
- Looking at this committee to develop foundation of the event for future years
- Develop marketing materials and pitch for future exchanges. Information for the web pages. Not individual events but a general marketing/pitch for what a global exchange would be. Links to the calls & local events.
- Align initiatives with business plan

STAR Program -Continuing

The IEEE Women in Engineering STAR Program is a pre-university outreach program and was developed to address the growing concern that, at a young age, girls are discouraged from careers in mathematics, science, and engineering.

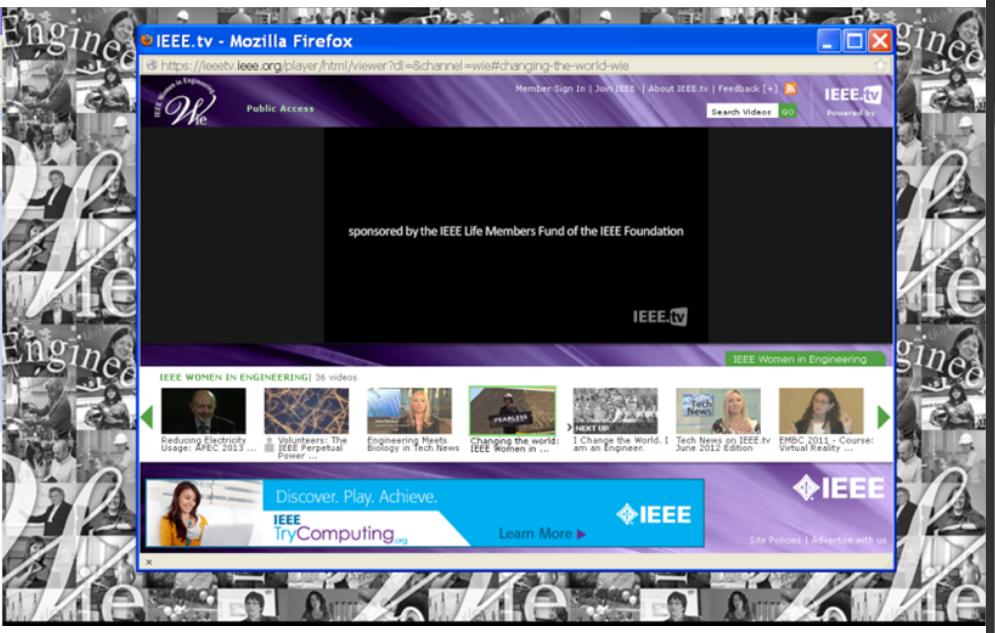
- Sample of STAR activities:
- Classroom Activities
- Humanitarian Projects involving the pre-university community
- Competitions
- Hands on Activities
- Training of pre-university teachers
- Mentoring
- Public Awareness Activities

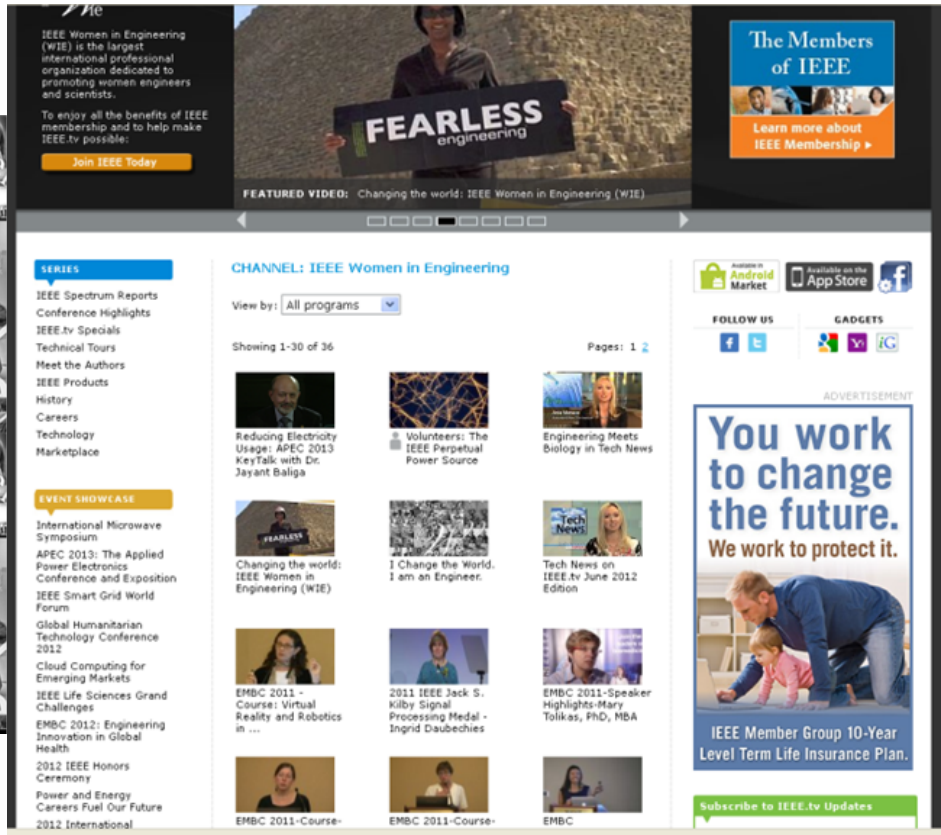
More information on STAR can be found on the WIE webpage.

IEEE WIE Videos

https://ieeetv.ieee.org/player/html/viewer?dl=&channel=wie#i-change-the-world-i-am-an-engineer

https://ieeetv.ieee.org/player/html/viewer?dl=&channel=wie#changing-the-world-wie

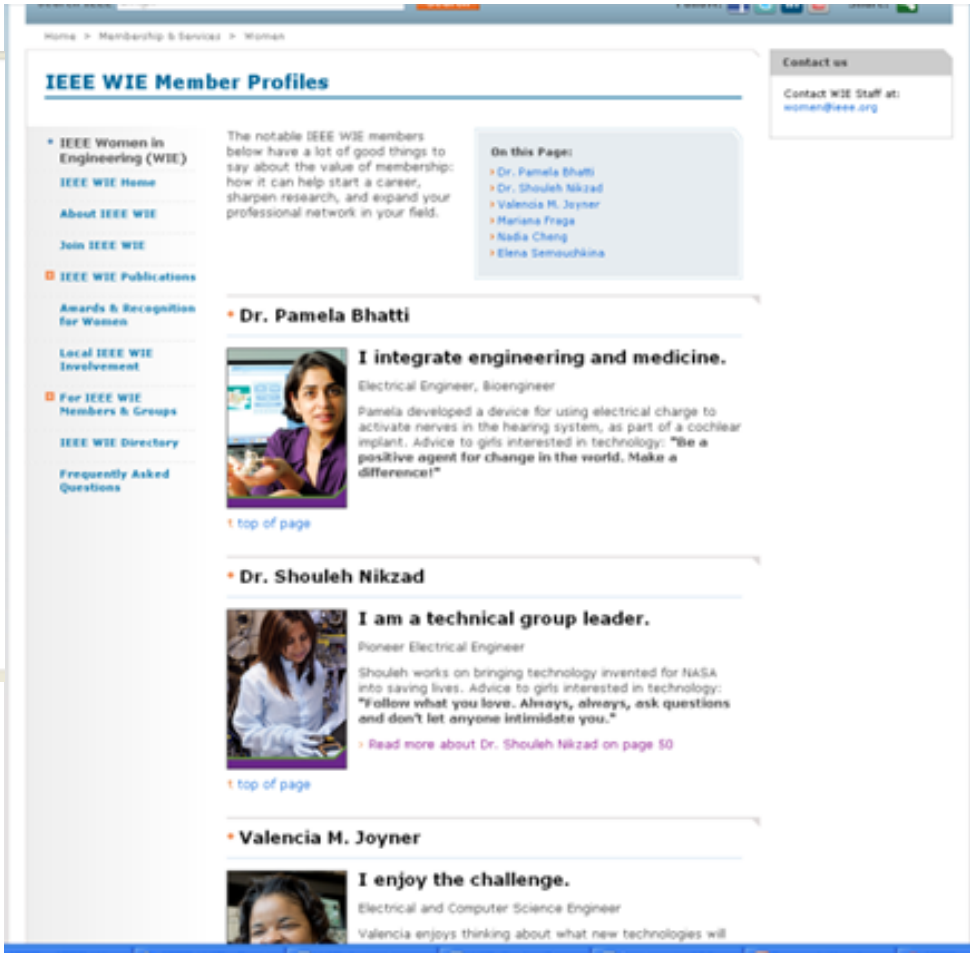




IEEE WIE Webpage

http://www.ieee.org/membership_services/membership/women/women_profiles.html

http://www.ieee.org/membership_services/membership/women/index.html



WIE Webpages

The WIE webpages includes up-to-date information such as:

WIE TV Channel on IEEEtv
Monthly WIE Newsletter
List of WIE Affinity Groups
Resources for Affinity Groups
Call for Articles/WIE Magazine
Affinity Group of the Year Award Information
WIE Membership Directory
Events
Committee Membership Information
Volunteer Opportunities
Employment and Career Resources
News and Initiatives
Frequently Asked Questions
Join WIE
Contact for WIE

The WIE website can be found at www.ieee.org/women

Forming a WIE Affinity Group

- Please send petitions to petition@ieee.org and copy women@ieee.org
- Group formation may take from 6 to 8 weeks

http://www.ieee.org/societies_communities/geo_activities/forms_petitions/index.html

Affinity Group Email Address

- WIE is requesting all WIE Affinity Groups to develop a generic email address for their group. This will be the official contact year to year. This will allow continuous communication once a new chair is appointed.
- Example: wie-UAE@gmail.com or wie-utahstate@gmail.com*

Once the address has been created please inform staff.

*not actually email addresses

Funding Available to WIE Affinity Groups by WIE

- Newly established WIE AGs and SBAGs are eligible to request up to $200 US in start up funding.
- Established WIE Affinity Groups are eligible to request up to $400 US for special projects.
  - Must be submitted at least 3 months prior to the activity.
  - WIEC will review the request at their next scheduled meeting.
  - The WIE Affinity Group will be advised if the request has been approved.
  - The WIEC may consider funding beyond $400US if a project is considered especially valuable to the WIE mission.
  - If a report is not received for special funding, future funding will not be approved.

Funding forms can be found at www.ieee.org/women under resources for Affinity Groups.

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IEEE Required Reporting

- Reports can be submitted Electronically
- Affinity Groups should report all meetings including social events and administrative meetings to their Section and Student Branches.
- WIE Regional Coordinators are encouraged to ensure all requirements are submitted to the IEEE MGA Department annually.
- For Reporting Requirements visit http://www.ieee.org/societies_communities/geo_activities/required_reporting/index.html

Role of WIE Regional Coordinator

- Act as a liaison between the Region and the WIE Committee
- Participate in WIE Committee meetings and report to the Region Director at regional meetings on WIE status and activities
- Inform WIE Committee of local activities that might be of interest to the WIE membership.
- Facilitate the establishment of local IEEE WIE Affinity Groups within a Section and/or Society, including student branches, in the regional area.
- Provide support and guarantee that the WIE Groups in the Region maintain a good level of activity.
- Support initiatives to increase awareness of WIE in each region.
- Support membership development initiatives
- Participate in sub-committee activities

Women in Engineering
IEEE
Thank you!

Membership:

increased from 16,031 (Jan 2014) to 16,422 (Jan 2015)

Grade	Jan-14	Jan-15
Honorary	5	
Fellow	91	99
Senior Member	531	582
Member	3640	3889
Associate Member	85	128
Graduate Student	2114	2154
Student	9565	9570
Total	**16,031**	**16,422**
Region	Jan-14	Jan-15
US	3394	3508
Canada	349	365
Europe, Africa & Middle East	2590	2715
Latin America	2183	2312
Asia & Pacific	7515	7522
Total	**16,031**	**16,422**
Gender	Jan-14	Jan-15
Female	5267	6648
Male	2157	3109
Not Provided	8607	6665
Total	**16,031**	**16,422**

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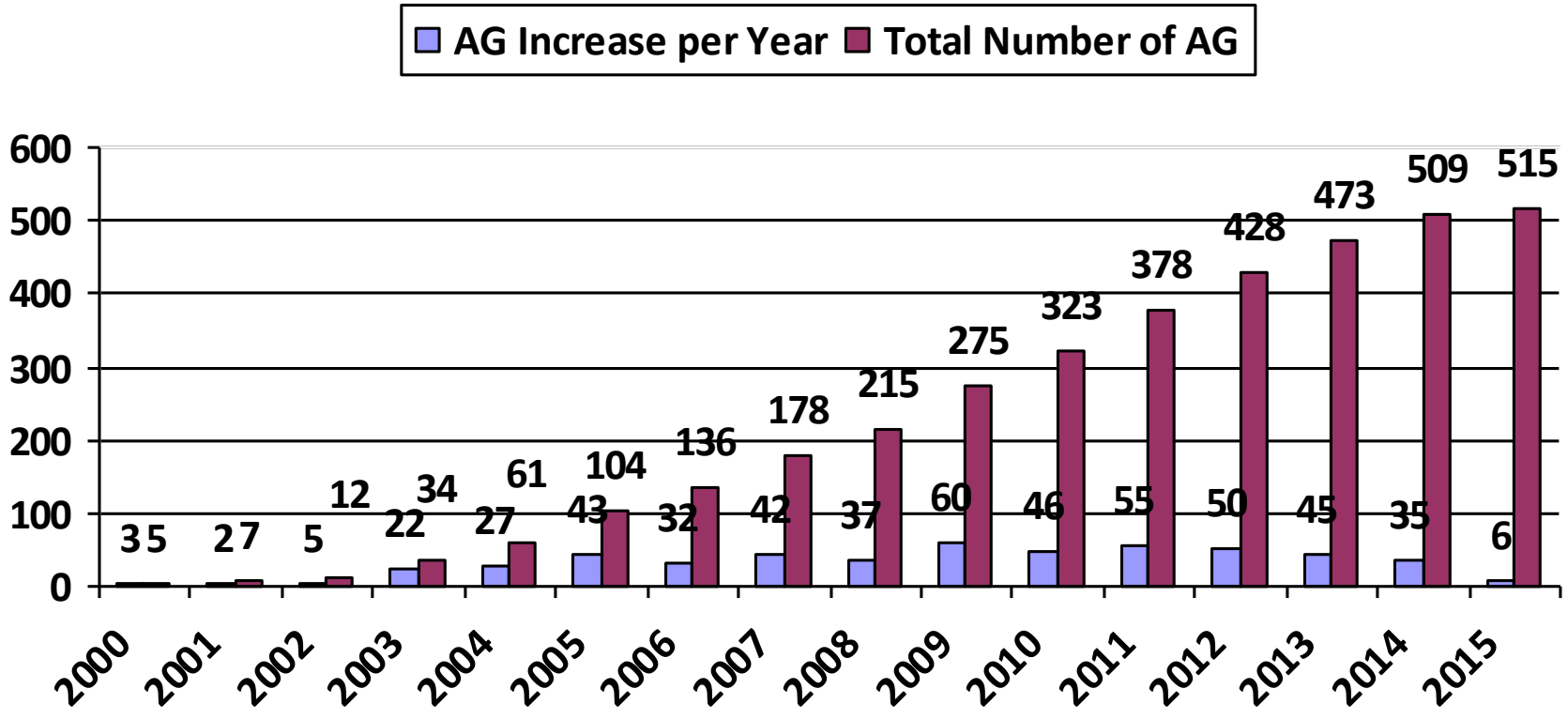
WIE Affinity Groups

- Currently have **515 Affinity Groups**