



Women in Engineering (WIE)



WIE : MISSION & VISION



Mission:

- To inspire, engage, encourage, and empower IEEE women worldwide

Vision:

IEEE WIE is engaged in building a collaborative work environment to:

- Support IEEE Women in Engineering (WIE) activities worldwide
- Provide outreach to young women interested in science and engineering
- Facilitate the exchange and debate of issues associated with women in engineering



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Where are we now?



- Girls make up 42.4% of A level students in SET subjects
- Women make up 33.5% of all higher education (HE) students in SET disciplines
- Women represent 19% of SET workforce
- 8.0% of all SET professors are female



Gender gap

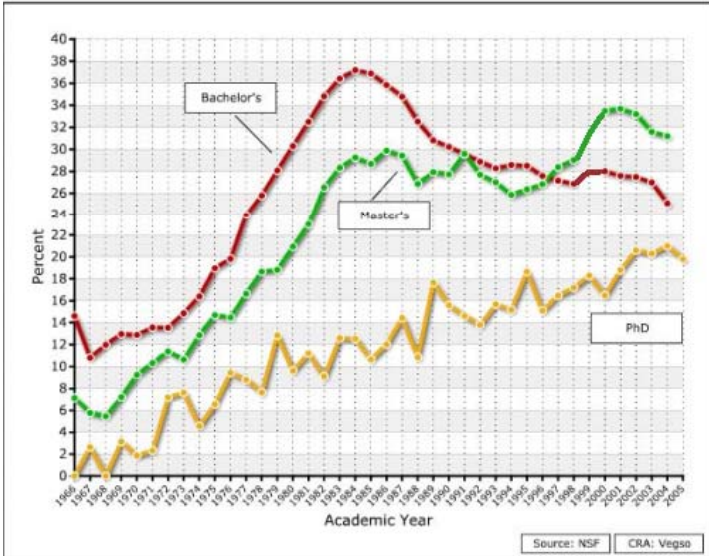
The percentage of female science and engineering graduate students has increased gradually.



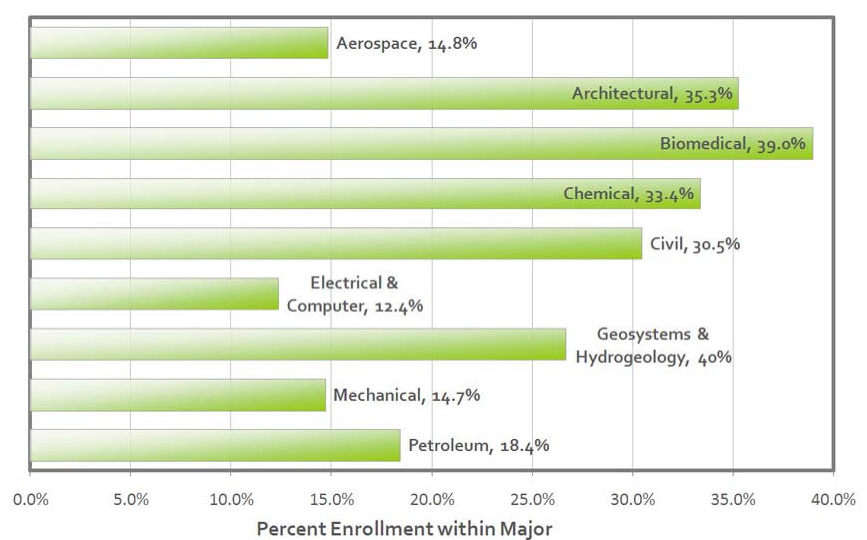
Where are we now?



Portion of Computer Sciences Degrees Granted to Women



Female Undergraduate Enrollment by Major, Fall 2008



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What are the barriers preventing women pursuing SET career?



- Lack of role models
- Lack of publicity aimed at women
- Perceived lack of job opportunities
- Lack of confidence
- Low expectations of others
- Lack of encouragement/family support
- Isolation/lack of support
- Lack of flexible/part-time working
- Male-dominated culture

Why do we need more women in SET?



Women are one growing source for the enterprises.

Women offer complementarity in projects and in the decision making process.

- Address skills shortages
- Avoid wasted talent
- A more diverse workforce leads to greater innovation
- Better working environment



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WIE's Dedication



- RECOGNIZES women's outstanding achievements in electrical and electronics engineering through IEEE Awards
- ORGANIZES receptions at major technical conferences to enhance networking and to promote membership in WIE
- ADVOCATES women in leadership roles in IEEE governance and career advancement for women in the profession.
- PROVIDES assistance with the formation of new WIE Affinity Groups and supports ongoing activities
- ADMINISTERS the IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program to mentor young women in junior high school and high school
- PROMOTES member grade advancement for women to the grades of Senior Member and Fellow
- FACILITATES the development of programs and activities that promote the entry into and retention of women in engineering programs



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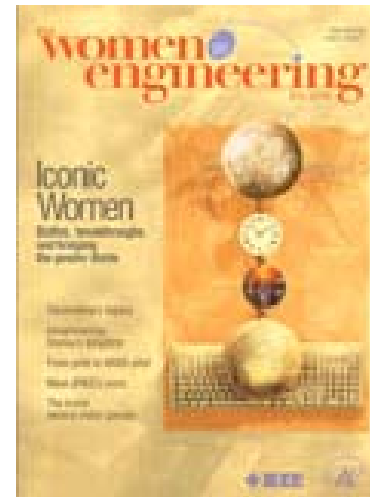


IEEE WIE



- ❖ IEEE Women in Engineering Magazine
(2008 APEX Award of Excellence in the category of
New Magazines and Journals)

<http://www.tryengineering.org>



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Activities



workshop on “low power embedded systems for medical applications” on 14th and 15th June, 2009



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Social Activity



- Organization of Free Health Check-Up Camp on 15th August, 2009
- Organization of Free pediatric health check-up camp on 14th February, 2009



Future Plans



- Model making and poster presentation competition for school students to develop interest towards science and technology
- Essay writing competition for school students
- Different awards like best young woman scientist, best woman engineer graduate and so on to increase the interest
- All the awards will be under the brand name of 'Lilavati', the great mathematician



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Awards



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THANK YOU

To join WIE affinity please contact :

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Celebrating 125 Years
of Engineering the Future