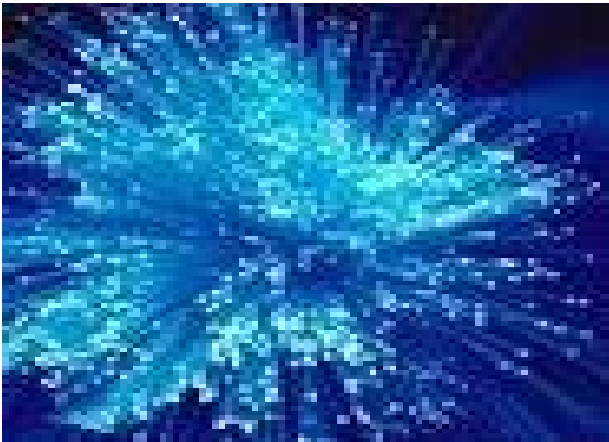




Newsletter Publication March 2008

Welcome to the WIE!



IEEE Women in Engineering

WIE MISSION

Inspire, engage, encourage, and empower IEEE women worldwide.

WIE VISION

A vibrant community of IEEE women and men innovating the world of tomorrow.

WiE Got News.....

Excerpts from various IEEE Sources for news, information, and current events.



24-hour GLOBAL MARATHON MARCH 26-27
For, by and about women in engineering

For the past four years, EWeek has been promoting engineering diversity to the public through its "Global Marathon For, By, and About Women in Engineering." To be continued this year in March, the 24-hour global marathon will incorporate live Internet chats, telephone conversations, and Webcasts. The marathon has featured presentations from as many as 11 countries, including Egypt and Poland. Last year's program is archived at

http://www.eweek.org/site/News/Eweek/2007_marathon/schedule.shtml. (Excerpt news from The Institute)



National Engineers Week/EWEEK Activities

National Engineers Week

Engineers Week emphasized Engineering Diversity and was held February 17-23, 2008, co-chaired by IBM Corporation and the Chinese Institute of Engineers-USA. Including year-round activities, Engineers Week was expected to reach several million people worldwide, with an emphasis in 2008 on expanding diversity in the engineering field and in the workplace. For follow-on information, please visit:

<http://bmsmail3.ieee.org:80/u/9714/141554>. (Excerpt news from The Institute)

Study Shows Mobile Phones Do Not Pose Brain Cancer Risk. According to the first study to

Please visit our website at www.ieee.org/women



consider the effects of radiation on different parts of the brain, using a mobile phone does not increase your risk of brain cancer. Scientists at Tokyo Women's Medical University compared phone use in 322 brain cancer patients with 683 healthy people and found that regularly using a mobile phone did not significantly affect the likelihood of getting brain cancer. The radiation emitted from different types of phones was also studied to assess the effects on different areas of the brain. Evidence to date has given the technology a clean bill of health. [Read more Learn more about mobile phones and radiation in IEEE Xplore®](#) (Excerpt from What's New @ IEEE in Communications)

Engineer Your Life: AIR Recruitment Survey for Engineers. National Engineers Week is working with 55 engineering societies, universities, and corporations to develop and implement a national initiative to encourage girls to consider pursuing a degree and subsequent career in engineering. We need your help! Take our brief [online survey](#).

The survey will take approximately 15 minutes of your time. All responses are anonymous and will be kept private. (If the link does not work, please copy and paste the entire web address into the address field of your browser.) As a sign of appreciation, respondents will be entered into a raffle. The first 500 respondents will be eligible for prizes ranging from \$50-\$250!!

The survey will give you a chance to share your experiences as an engineer, and it will be the first step in evaluating an initiative for encouraging girls to become engineers. It is your experiences that will help create materials that paint an accurate picture of engineering and present it as an attractive and compelling career option to young women. Your valuable insight is important to us, so please act quickly! The survey will only be available until March 15, 2008. AIR is an independent, not for profit organization which specializes in educational research. If you would like more information on AIR, please visit our website at <http://www.air.org>.

Submitted by: Ceit Zweil, Outreach Coordinator, Engineer Your Life Educational Outreach WGBH

Women In Engineering Panel Discussion: "IEEE WiE Panel – Mentoring and Its Impact on Recruiting and Retention", sponsored by: Power Engineering Society. The PES has organized a panel session entitled "IEEE WiE Panel – Mentoring and Its Impact on Recruiting and Retention". This event will be held on April 21, 2008 from 3:00 to 5:00 P.M. in Chicago, Illinois (McCormick Place North, Room N136). This panel will take a candid look at mentoring and its impacts on recruiting and

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retaining engineering talent in workplaces and academics. Special attention will be given to the mentoring and recruiting Of women and under-represented groups within engineering. Panelists will discuss the benefits and requirements of successful mentoring programs, both formal and informal. The panel will also focus on describing efforts at the industry and academic levels to address the national challenge of the aging power engineering workforce. All are welcome.

The committee members/panelists are Edina Bajrektarevic (Chair), American Transmission Company; Karen L. Butler-Purry, Ph.D., Texas A&M University; Prabha Kundar, Ph.D., Kundur Power Systems Solutions, Inc.; Dagmar Niebur, Ph.D., U.S. National Science Foundation; Noel N. Schulz, Ph.D., Mississippi State University; and, Cheryl A. Warren, National Grid.

This event will take place in conjunction with IEEE Power Engineering Society 2008 Transmission and Distribution Conference to be held April 22-24, 2008 in Chicago, Illinois, USA. For details, please visit: <http://www.ieeet-d.org/>.

Submitted by Karen Miu Miller, PES Liason

WoWE Assistance Available to attend the National WINDPOWER 2008 Conference & Exhibition. The Rudd Mayer Memorial Sponsorship will provide funds for female students or recent graduates to attend the national WINDPOWER 2008 Conference & Exhibition to be held June 1-4, 2008 in Houston, Texas (for more information on the conference, please visit: www.windpowerexpo.org/). The sponsorship will cover the cost of airfare, ground transportation to and from the airport, conference registration, meals, and lodging. If additional funds are available, some partial sponsorships may be awarded. The sponsorship is being made available through Women of Wind Energy (WoWE), a peer networking group Of female professionals working in the wind energy industry. For more information on WoWE, please visit www.windustry.org/womenofwindenergy. The application deadline is March 24, 2008.

Submitted by Melissa Peterson, Wind Industry Organization

Women's Institute in Summer Enrichment WISE 2008 Program to be held at Cornell University. The Team for Ubiquitous Secure Technology (TRUST) is proud to announce the third annual Women's Institute in Summer Enrichment (WISE 2008) to be held at Cornell University in Ithaca, New York. The program will be held June 8-13, 2008. This program is available to women, graduate students, post-doctorate, and junior faculty studying and working in the field.

Tuition for WISE 2008 is \$2,500; however, NSF-TRUST

fellowships are available to US professors, post-doctoral fellows, and Ph.D. Candidates studying at US universities. There is a maximum of 20 fellowships for Ph.D. candidates, post-doctoral fellows, and professors of all levels for the Institute.

This summer is expected to have 24 participants. The Program is a one-week seminar format with eight-ten speakers. The Summer 2008 program topic is sensing systems for critical infrastructure, with an emphasis on the security, and privacy issues that arise from the use of sensing systems in public places. WISE will be an exciting program! The application deadline is March 31, 2008. Contact Dr. Kristen Gates by telephone at (510) 642-3737 or by email at kgates@eecs.berkeley.edu. An online application can be submitted at: <http://www.truststc.org/wise/>.

Submitted by Dr. Kristen Gates, Executive Director of Education, Team for Research in Ubiquitous Secure Technology (TRUST)

2008 AMALTHEA REU Program Call For Participation.

The Florida Institute of Technology (FIT) in Melbourne and The University of Central Florida (UCF) in Orlando are happy to announce the 2008 AMALTHEA REU Program. Its intellectual focus is the theory and applications Of Machine Learning (ML), and is a cooperative effort of FIT and UCF. This is a research experience available to undergraduates in Central Florida. The program is sponsored by the National Science Foundation and is held for 10 weeks in the summer, starting in mid May and ending mid July.

The program is seeking talented Engineering or Science undergraduates that are US citizens or permanent residents and in good academic standing. Minorities, women, and the disabled are especially encouraged to apply. Benefits for students include exposure to the exciting research area of Machine Learning (ML) and its applications, participation in a primer course to familiarize yourself with ML, the opportunity to work with experts and experienced researchers in the field, etc. The application deadline is March 30, 2008. For more Information, please visit the website at <http://cygnus.fit.edu/amalthea> or contact [Dr. Georgios C. Anagnostopoulos](mailto:Dr.Georgios.C.Anagnostopoulos).

Submitted by Dr. Georgios C. Anagnostopoulos, Assistant Professor - ECE Department, FIT

SWE-Boston Invitation to WIE Members to attend April 10th, 2008 Meeting in Danvers.

SWE-Boston is extending an invitation to WIE Members to attend their next meeting in Danvers. The speaker will be Paula Lyons, an Executive Coach and Senior Communications Consultant. Prior to joining Bates Communications in 2004, Paula earned respect and

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accolades as a top-rated consumer reporter and was a familiar face on ABC's Good Morning America, as well as two major market television stations, WBZ TV (CBS) and WCVB-TV (ABC), in Boston. She will be providing a presentation entitled "Projecting a Strong Executive Presence". The meeting will be held on April 10, 2008 beginning at 6:00 PM. The program will cover how developing an executive presence helps you create a strong personal brand, inside and outside the organization.

This program is being sponsored by Medtronic, Inc., a world leader in medical technology providing lifelong solutions for people with chronic disease. Please rsvp by April 3, 2008 at www.sweboston.org via Acteva (At the SWE-Boston website you will be redirected to Acteva where you can RSVP). Any questions may be directed to swebos@sweboston.org.

Submitted by Lori Amara, VP of Professional Development, SWE-Boston

SWE-Detroit Professional Development Conference to be held April 19, 2008 in Warren, Michigan.

The SWE-Detroit Section will hold a Professional Development Conference in Warren Michigan on April 19, 2008. The conference is titled Knowledge For Growth. The award winning program will be held at the General Motors Warren Technology Center on April 19, 2008. Take the "ride of your life" with keynote speaker, Joyce Weiss.

The conference will have a special focus on environmental technologies, and how they apply to our industry and at home. Breakout sessions include speaker topics such as the Growth of Cleantech and Opportunities in Alternative Energy; Sustainability - What's It Mean and What's It All About; the Art of Negotiation; Careers in Hybrids and Electrical; Etc. Visit the SWE calendar at www.swedetroit.org. On-line registration will begin in March. For more information contact [Kristy Baumgard](mailto:Kristy.Baumgard).

Submitted by Kristy Baumgard, SWE-Detroit PD Conference Co-Chair

IEEE Quick Facts. The IEEE has:

- more than 365,000 members in over 150 countries, almost 40 percent of whom are from outside the United States.
- over 68,000 student members.
- more than 27,000 society affiliates.
- 311 sections.
- 1,446 chapters.
- more than 1,430 student branches in 80 countries.
- over 300 student branch chapters.
- more than 147 affinity groups.
- 39 societies and 3 technical councils.

WIE Growing in Record Numbers

IEEE WIE Membership Statistics January 2008

Grade

Fellow- 42
 Life Members 125
 Associates 545
 Member 2988
 Senior Member 281
 Student 8530

Region

US - 3925
 Canada- 478
 Europe, Africa & Middle East- 2805
 Latin America- 2506
 Asia & Pacific- 2797

Gender

Female- 7609
 Male- 3721
 Not Provided- 1181

Total WIE Membership for January is 12,511



WIE Around The World

- News from IEEE WIE Section Affinity Groups

Networking Success Story: Report on IEEE Region 10 GOLD/WIE Congress held in Chennai, India

INTERESTED IN BECOMING A WIE MEMBER? WIE membership is FREE to Student, Graduate Student, and Life Members, and just \$25 for other IEEE Members. [Join WIE.](#)

The number of WIE Affinity Groups around the world continues to grow!

| WIE AFFINITY GROUPS | | | |
|---------------------|-----------|------------|------------|
| Region | Regular | Student | Total |
| R1 | 7 | 0 | 7 |
| R2 | 4 | 1 | 5 |
| R3 | 4 | 4 | 8 |
| R4 | 2 | 2 | 4 |
| R5 | 6 | 0 | 6 |
| R6 | 2 | 1 | 3 |
| R7 | 7 | 7 | 14 |
| R8 | 11 | 33 | 44 |
| R9 | 5 | 39 | 44 |
| R10 | 13 | 39 | 52 |
| TOTAL | 63 | 114 | 187 |

The IEEE Student/GOLD/WIE Asia Pacific Congress was organized in Chennai, India on January 28-30, 2008, hosted by IEEE Region 10 and the IEEE WIE Madras Section. The Congress was held jointly for Student/GOLD/WIE on January 28th, and GOLD & WIE Congresses were held at Hotel Green Park on January 29th and 30th.

Being the "first" Asia Pacific WIE Congress, the organizers had carefully framed exciting events along with the GOLD Congress. The Congress acted as an excellent interface to create awareness about the role of women in Engineering. All the IEEE top volunteer executives from IEEE Headquarters USA and Region 10 came to participate in the occasion. Dr. Lewis Terman, President, accompanied by his wife, Mrs. Barbara Terman, Dr. John Vig, President Elect, Dr. Richard Gowen (IEEE Foundation), and Dr. Roberto De Marca attended the event. Mr. Jeffrey Rhynes, Mr. Matthew Loeb, Ms. Cecilia Jankowski, Dr. Karen Panetta, current IEEE WIE Committee Chair, accompanied by her husband, Mr. Jamie Heller, Ms. Helene Fung, Regional GOLD Program and Asia & Pacific - Region 10 Representative, Keyana Tennant, WIE Program Administrator, and a number of other volunteers, along with Dr. Janina Mazierska, Region 10 Director, inaugurated the event on January 28th. The session included presentations by the Region 10 Student Activity Committee, GOLD Committee, and WIE Committee

about present activities and future plans. All participants appreciated the leadership workshop and the interactive sessions with the IEEE officials.



Discussion Forum - IEEE Presenters and Executives

The second day of the Congress was a golden day for GOLD/WIE participants. The joint congress commenced with a prayer song by the students from Easwari Engineering College. The welcome address was given by Mr. Sampathkumar Veeraraghavan, chair of the IEEE GOLD Madras Section, and organizer of the GOLD Congress. In his speech, he attributed his success to the IEEE membership as well as contact and support people. Ms. Ramalatha Marimuthu, organizing chair of the WIE Congress, delivered a special address in which she emphasized how educating a woman upgrades the quality of life for a society and wished the participants a fruitful congress.

Following Ms. Marimuthu's special address, the events of the day were started with a discussion forum in which Dr. Terman and IEEE officials answered various questions and queries posed by the participants. Interesting questions pertaining to IEEE membership and development, GOLD, and WIE raised by the audience were promptly answered by the IEEE officials and volunteers.

The organizers thanked the officials and volunteers, especially Ms. Keyana Tennant, WIE Program Administrator from the IEEE Headquarters, as well as Mr. Jamie Heller, for making the congress a lively and successful event through their support and presence.



Presentation by Ms. Helene Fung, Representative, Regional GOLD Program, Asia & Pacific - Region 10



Presentation by GOLD Delegates from Hong Kong

Dr. Karen Panetta delivered an inspirational speech on the Women In Engineering platform. She also discussed the "[Nerd Girl Project](#)", which is aimed at breaking the stigmas and stereotypes of females in the Engineering field. Ms. Helene Fung provided a presentation on "Asia Pacific GOLD" in which she explained about various projects proposed and implemented by the Region 10 GOLD Committee.

Dr. Panetta's presentation was followed by speeches and presentations by Award Winners of GOLD and WIE. Sampathkumar Veeraraghavan won the RAB GOLD Achievement Award and the Region 10 GOLD Award for the year 2007 for his innovative ideas and activities. The IEEE WIE Student Branch at Easwari Engineering College won honorable mention as the recipient of the 2006 Student Branch Affinity Group of

the Year Award, awarded in 2007 for its outreach programs.

The second day continued with a Yoga Demonstration and cultural program performed by the students of Madhuram Narayanaswamy Center for Differently Abled children and their parents. It was soul touching and their performance brought tears in the eyes of everyone. Dr. Panetta, Ms. Cecilia Jankowski, Mr. Matt Loeb and Ms. Helene Fung commended the children and presented them with certificates and gifts. The participants were invited to share their ideas and views.

Later in the day, a presentation entitled “Professionals & their Social Responsibilities” was provided by Mr. A. K. George, Research Associate of Dr. A. P. J. Abdul Kalam. The speaker outlined in simple and vivid language, the various aspects of the brain and it’s functioning. The lecture explained the basics of Sensory and Motor Homunculus, and the various core segments of research in those areas. An overview of the various procedures and core research experiments such as the Pavlov Experiment, Enriched Cage Experiment and Electro Magnetic Therapy areas were also discussed. The majority of the time was spent discussing various practical applications of technology in brain research,



Cultural Program by Exceptional Children

fascinating facts about the brain, technological aids developed by engineers that can help physically challenged people, and a question and answer section. The session was mind provoking!

The second day of the agenda also included a documentary release which explained, “What Ancient Indians did for the World”. This one hour documentary helped delegates from other countries to understand more about India. A Miming Program was performed by students of Easwari Engineering College. This silent drama depicted information about the possibility of evil

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usage in technology growth, and how professional bodies like the IEEE play a major role in steering the path towards more constructive and society conscious goals.

The second day of the congress concluded with a power-point presentation on the topic, “My India”, which was delivered by Mr. Sridhar, Founder of Yuva Shakthi, a youth welfare association. Also, the IEEE WIE Madras Section Affinity Group, currently launching a project entitled “Sangamam” in association with Yuva Shakthi to inspire young minds especially in rural India, provided a presentation of the project as part of the congress activities.



Miming by Easwari Engineering College Students

The last day of the congress included a tour around the city of Chennai. Delegates were taken to Kabalishwarar Temple and Santhome Church, which are examples of the architectural glory of South India. There was informal interaction between the delegates and the participants. The various section delegates also presented their past achievements and future plans. The congress brought together people from different cultural backgrounds interested in promoting the objectives of WIE, and created a lot of goodwill and friendships. The Congress ended with warm farewells and well wishes. Overall, the Region 10 Congress was an unforgettable experience for the organizers and participants, and a huge success!

Submitted by: Ramalatha Marimuthu, Chair, IEEE WIE Madras Section Affinity Group

• News from WIE Student Branch Affinity Groups

First Kick-Off Meeting for IEEE WIE University of Central Florida Student Branch Affinity Group

The UCF Women in Engineering Student Branch Affinity Group held their first kick off meeting on November 13, 2008 at the Harris Engineering Center at UCF. Over twenty undergraduate and graduate students were in attendance. The students and Dr. Parveen Wahid, UCF WIE advisor, welcomed special guest speaker, Mary Ellen Randall, who is the 2006 National WIE Committee Chair.

The event started off with a welcome message from Dr. Wahid. She introduced everyone to what WIE is, its mission, and its meaning to the students. Her speech was followed by a short presentation by Aysenur Basagalar, UCF WIE President, and Shauna McCartney, UCF WIE Vice-President, who both gave a brief overview of what the students can expect from their new IEEE WIE UCF Student Branch Affinity Group.

Afterwards, Ms. Randall shared with everyone some of her experiences, thoughts, and a few interesting facts and statistics on WIE. She provided an overview of the regions and different groups around the world, a short history of WIE, women in technology, etc. Throughout the presentation, the room was filled with interesting and informative discussions whether it was on women around the world or women in the workplace.

Submitted by Aysenur Basagalar, President UCF WIE Student Branch

STAR Program implemented by IEEE WIE Madras Affinity Group

Higher secondary is the last stage of transition of school students to college students. Engineering is the most sought after discipline in the current academic scenario in Madras. Electronics is a key subject to all students who choose Engineering as their profession. Understandably, Electronics is included in the curriculum of higher secondary education itself, making it possible for the students to make headway into their technical career from an early stage. Hence, it is mandatory to train them well in the basics of electronics before they enter into their technical career.

With a view to serve teachers and students of the secondary education level, IEEE WIE Madras Affinity Group has commenced a project under the STAR Program. The main purpose of the project is to kindle the interest in electronics and electronics related projects among school students, in order to skew their passion

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towards a technical career. The first phase of the project was carried out at Easwari Engineering College. Students of the IEEE Student Branch of Easwari Engineering College enthusiastically participated in the project. They were divided into two groups and given selected topics in Electricity, Basic Semiconductor Theory, Electron Devices and Applications of Devices. The students were asked to prepare animated video presentations on the concepts of the above topics and the real world usage of them.

The program started with a motivational seminar by Mr. C. S. Raju, retired General Manager of NLC Limited and Director of Global Educational and Training Services, on the topic "Be a WINNER". This was followed by a video presentation entitled "Basics of Electronics" by IEEE Student Branch members. The participants were given a live demo on electronic devices at the end of the seminar. The session ended with the faculty of the school expressing a desire to interact with the IEEE in the future for conducting projects in Electronics.

STAR Program implemented by IEEE WIE CIET Student Branch Affinity Group at Thondamuthur



IEEE STAR Program Participants: Ms. M. Ramya, Professor S. Elangovan, Professor P. Thangavel, Dr. K.Thanushkodi, Ms. K. Kothai (Head Mistress - Government Girls Higher Secondary School, Thondamuthur), and Professor G. Sambandham

The IEEE WIE Coimbatore Institute of Engineering and Information Technology (CIET) Student Branch Affinity Group implemented the IEEE STAR Program at Government Girls Higher Secondary School in Thondamuthur on October 9, 2007. The event was attended by over one hundred participants.

Dr. Sambandham, Professor and Head of the Department of Information Technology of CIET, delivered a special address on the topic "Avenues Open for Technical Education" and impressed the students with information on various career paths that a higher secondary student can pursue. He created awareness amongst the girls about the importance of technical education for women. He also stressed the importance of women in engineering fields.

Professor P. Thangavel, Vice Principal of CIET, Coimbatore, delivered the keynote address on the topic, "Awareness on Engineering Ethics". He introduced and defined "Ethics" in a manner such that the higher secondary school girls were able to easily understand. The role of "Ethics in Engineering" was clearly penetrated in their young minds.



CIET WIE Student Branch Affinity Group volunteers conducting Technical Quiz among the Higher Secondary School Girls

As part of the program, the IEEE WIE volunteers conducted a two-round technical quiz amongst the schoolgirls. The first round was a preliminary written test, from which four groups were selected for the final quiz round. From the final round, three groups consisting of three students each were selected for the first three prizes. The program officials distributed the prizes.

Professor S. Elangovan, Assistant Professor, Department of EEE and IEEE Student Branch Counselor, gave a special presentation on how to improve communication skills through LSRW exercises and how to perform a self-evaluation by means of SWOT analysis. Finally, a vote of thanks was made to the IEEE WIE Student Branch of CIET.

DID YOU KNOW? WIE Affinity

Groups. There are two types of WIE Affinity Groups: IEEE Section Affinity Groups and Student Branch Affinity Groups. Find one in your local area below. If there is not a WIE Affinity Group in your local area, [consider forming one](#). Affinity groups provide the

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opportunity for members to network at a local level. Activities may include guest speakers, workshops and seminars. All members are encouraged to join and participate in their local group activities to promote growth within the WIE. Currently, there over 187 WIE Affinity Groups worldwide.

| |
|--|
| Region 1 – Northeastern USA |
| Region 2 – Eastern USA |
| Region 3 – Southeastern USA |
| Region 4 - Central USA |
| Region 5 – Southwestern USA |
| Region 6 – Western USA |
| Region 7 – Canada |
| Region 8 – Europe, Middle Eastern & Africa |
| Region 9 – Latin America |
| Region 10 – Asia & Pacific |

WIE RESOURCES

Scholarships, Internships, Grants & Awards
For Girls

Informative Publications
History

Women in Engineering Statistics
Women in Science/Engineering Societies & Groups
Mentoring & Educational Resources
National Engineers Week/EWeek Activities

More Interesting Links

[Electronics & Electrical Engineering Laboratory \(NIST\)](#)
[Science and Technology Resources](#)
[Engineer Your Life](#)
[Women and Minorities in Science and Engineering](#)

IEEE WIE Committee. The IEEE Women in Engineering Committee (WIEC) consists of 10 voting members, appointed by the Board of Directors. The WIEC is responsible for facilitating the development of programs and activities that promote the entry into and the retention of women in engineering programs, enhance the career advancement of women in the profession, and promote IEEE membership and retention of IEEE women members.

2008 WIE Committee Members

| | |
|----------------------------|---------------------------|
| Karen Panetta, Chair 2008 | Mary Ellen Randall (MGAB) |
| Loretta Arellano (EAB) | Lauren Jones |
| Irena Atov | Jane Lehr (TAB) |
| Bernadette Bouchon-Meunier | Susan Murphy (GOLD) |
| Joan Carletta | Sule Ozev |

[View](#) the WIE Liaisons, Regional Coordinators, and Society Coordinators for 2008.

LET'S ANSWER A RIDDLE.

How can a woman living in New Jersey, legally marry 3 men, without ever getting a divorce, being widowed, or becoming legally separated? **Answer: She is a Justice of the Peace.** (Compliments: Riddles & More)

CAN YOU FIGURE THIS RIDDLE?

Before Mt. Everest was discovered, what was the tallest mountain in the world? (Tune in next month for credits and the answer.)

EXCITED ABOUT WIE? Do you want you to have some fun.....



Welcome to Nerd Girls Reality Television!

They're "Beauty and the Geek" all in one package! Meet the NERD GIRLS - an impressive team of female engineering students, just one year away from landing top jobs with \$70,000 salaries. They turn heads when they enter a room – they're stylish, self-possessed, ambitious and confident. Whether building a solar car or harnessing wind power on a remote island, these girls fully intend to change the planet with their own ingenuity and hard work. NERD GIRLS is coming to reality television and will be multi-platform broadcast in the United States and abroad. Visit [Nerd Girls](#).

Welcome to the Gallery of Women Engineers!



These engineers work every day to solve problems and make the world a better, cleaner, safer place. These women are also actively involved in their communities, raising families, and enjoying all kinds of sports and hobbies.

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Hey **ENGINEER GIRL**,
Check Out These **PROFILES!**



[Maeling Tapp](#)
Materials Engineer



[Monique Frize](#)
Bioengineering/Biomedical Engineer

View more information on [Engineer Girl](#).

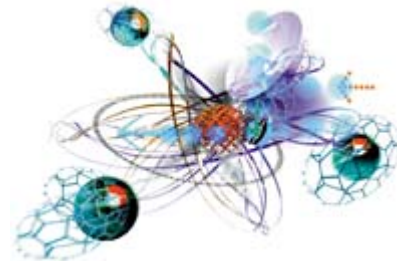


Turn imagination into reality with a future in engineering! You'll have the power to make a difference!



By becoming an engineer, you can help solve problems that are important to society. You could be controlling and preventing pollution, developing new medicines, creating advanced technologies,

even exploring new worlds. **You'll have money and job security! You'll be working with other talented people! You'll have lots of options!**



You'll get to do cool stuff! Engineers will be involved in making all the wonders of the future a reality. Interested? Visit the website below for Engineer Girl at:



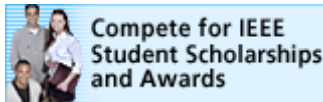
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IEEE WIE ASSISTANCE.



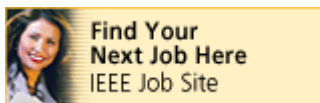
Powering the Electrical Revolution: Women and Technology.

Meet the exceptional women who overcame social barriers to make achievements in the fields of math and science and the ordinary women who made contributions to the telegraph, telephone, industrial manufacturing, and computing industries.



Awards, Scholarships and Competitions

IEEE offers a variety of awards, competitions, contests, scholarships and fellowships. Many are offered to IEEE student members, such as the Regional Student Paper Contests and the Student Enterprise Award. You will find contact information for each award listed when you click on the link. Two Student Branch awards to get you more involved include the [Darrel Chong](#) Student Activity Award and the [IEEEExtreme](#) 24 hour Programming Challenge.



Career and Employment Resources

The IEEE offers a range of opportunities for members and others interested in advancing their careers or finding employment. If you don't find what you're looking for here, be sure to visit the [IEEE Education](#) section or [IEEE-USA](#) for additional resources to support your professional journey. **IS YOUR SALARY ON TARGET?** Check out the [IEEE-USA Salary Service](#)... Click on this link to take the **2007 IEEE-USA Salary Survey**.

[Call for Articles](#)



[View Premiere Issue of IEEE Women in Engineering Magazine](#)

IEEE Women in Engineering Magazine includes topics that show the cross-cutting and interdisciplinary nature of engineering, containing articles that integrate engineering with current issues facing society such as Careers, Health Care, Medicine, Law, Governance, as well as international women's issues. For **advertising** visit <http://www.ieee.org/ieee-media> and scroll down to the WIE Cover.



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[IEEE WIE NEWSLETTER](#)

Please visit our website at www.ieee.org/women