Welcome to the 60th Issue of IEEE Women in Engineering Newsletter with current five-year editorial staff. To mark the 60th issue of the IEEE Women in Engineering Newsletter, we bring you kind greetings as we celebrate having a consistent and dedicated newsletter staff for the last five years.

Over the past five years, we have told many great stories of success, achievements, and fascinating experiences and opportunities – all about our WIE members, about all of you and each of you.

The WIE newsletter staff cannot begin to express the excitement that goes along with telling the stories of the many of WIE, from all around the world, sharing a common passion, interest, and goal – to collectively promote and achieve growth in the STEM fields, inspiring other people and motivating our youth to embrace their talents and innovate their concepts, ideas and knowledge to engineer and design products and services for the benefit of humanity.

The making of these stories do not just happen; They are made to happen by people who do not just do their jobs but they care and they lead, providing guidance and encouragement to affinity groups and individuals, worldwide. These stories also happen because of the hard work, achievements, and dedication exemplified by our individual members as well, who excel and make a difference in their respective fields.

The collective achievements of “us all” are what make “WIE Around the World” a true phenomenon. In light of this, we will bring you greetings over the next few months from the regional coordinators from Regions 1 through 10 who have helped to make the 60th Issue of the IEEE Women in Engineering Newsletter the landmark success that is today. View greetings from several regional coordinators on page 8 of this newsletter. We are very proud of the footprint that the WIE community has made in the fields of Science, Technology, Engineering and Mathematics.

– IEEE WIE Newsletter Staff

WIE Featured Person of the Month Highlights

The WIE Featured Person of the Month is Katina Michael, editor-in-chief of IEEE Technology and Society Magazine. After working at OTIS Elevator Company and Andersen Consulting, Katina was offered and exciting graduate engineering position at Nortel in 1996; and her career has been fast track from there. Read Katina’s story on Page 7.

New 2012 WIE Posters Are Now Available.

Please see Pages 16-19 for the new WIE Poster Series.
Message from IEEE WIE Chair.

January and the start of any new term heralds reflections on past achievements interwoven with hopes for the future. In 2012, WIE established a strong Facebook presence, created an inspiring IEEE WIE Video, launched eye-catching IEEE WIE Posters, published an inspiring WIE eBook, supported several conference partnerships, added 41 new affinity groups to bring the worldwide total to 414, and reached 14,700+ total members. These accomplishments were made possible by an engaged, vibrant community of volunteers led by chair Ramalatha Marimuthu. I am grateful for their legacy and thank them for their volunteer service.

For 2013, I hope to focus on 4 main objectives: (a) communication with our 14,700+ members through our award-winning, professional WIE magazine and social media campaigns (e.g., Facebook); (b) engagement with industry to provide enhanced member benefit and with conferences to celebrate and highlight WIE (e.g., WIE special events at existing IEEE conferences); (c) outreach through our 400+ affinity groups to encourage young girls to pursue engineering and to engage current IEEE members by providing learning opportunities, networking and support; and (d) fundraising to endow the Frances Hugle Scholarship ($100k goal).

I look forward to the opportunities to meet with members around the world as we jointly strive to fulfill WIE’s goal to inspire and enable WIE members to surpass/realize their full potential for the benefit of humanity. As we work toward our hopes for the future, I ask you to consider one question which was recently posed to me: Carrot, Egg or Coffee Beans – which are you?

There is a story of a young girl who is frustrated about the challenges in front of her. One day she approaches her mother to say that she was tired and simply wanted to give up.

Her mother took her into the kitchen and filled three pots with water. In the first pot she placed the strong, firm carrots. In the second, she placed the fragile eggs and in the last, she placed the ground coffee beans. The mother let her daughter vent as the water boiled.

After twenty minutes, she turned off the burners. She placed the carrots in a bowl, the eggs in another and the coffee in a final bowl. She asked her daughter, “What do you see?” “Carrots, eggs and coffee,” replied the daughter. “No, no, take a closer look,” said the mother. The daughter noted that the carrots were orange, soft and mushy, the eggs had become hard-boiled and the coffee had blended to create a rich, wonderful aroma. “What’s the point,” the daughter asked.

Her mother explained that each of these items had faced the same challenge (boiling water) and had the same opportunity but each reacted differently.

The carrot went in strong, hard and unrelenting but softened and became weak. The egg had been fragile. Its thin outer shell had protected its liquid interior but, after sitting through the boiling water, its inside became hardened. The ground coffee beans were unique. After they were in the boiling water they had changed the water.

Which are you? Are you the mushy carrot or hard-boiled egg? Or are you changing the world around you or being changed by it?

2013 will provide many opportunities as well as challenges to each of us in our volunteer, professional and personal lives. As you take advantage of the opportunities, which invariably come with challenges, I hope you will also choose to be the coffee beans and help transform the world around us. As Mahatma Gandhi said, “Be the change that you want to see in the world.”

Thank you for the opportunity to serve as your 2012 WIE chair. If you have suggestions on how we can grow our membership, execute our programs and effectively serve our members, please share your ideas and thoughts with me.

Sincerely,

Nita Patel
2013 IEEE WIE Chair
nita.patel@ieee.org
WIE is pleased to introduce….. Angleat Shelikoff

Angleat Shelikoff is the Reliability, Manufacturing & Quality Subject Matter Expert in the Armament Directorate at Eglin Air Force Base, Florida USA. In this capacity, Angleat advises the Armament Directorate Program Executive Officer for Weapons and Program Offices on matters covering a portfolio of weapon system acquisition programs valued at $52B. She has over 28 years of experience in private sector and government service. She has a Bachelor of Science degree in Systems Engineering and master degrees in Economics as well as Systems Engineering. She also holds American Society for Quality certifications in Reliability and Quality Engineering. She works hard at balancing duties as a mother of three with her volunteer work and professional career.

Explain why you became a Technical Professional. I chose engineering because I’ve always loved math and science and was fascinated with how things work.

What information or advice would you like to pass on to a young girl interested in engineering? Take as many math and science classes as you can because it will provide a solid foundation for college.

How does your work as an engineer benefit humanity? I have a responsibility to the warfighter as well as to the taxpayer to ensure we design, field and maintain operationally effective and suitable systems that meet warfighter needs while minimizing total life cycle costs.

Please visit our website at http://www.ieee.org/women
interest in Engineering. The IEEE WIE Committee will administer the program, and will select one scholar annually to receive a $2,500 scholarship grant beginning as early as 2013. The scholarship will be presented to one female student in her third year of undergraduate study in an Engineering curriculum at an accredited university or college in the United States of America. Student membership in the IEEE is required.

Financial endorsements of the scholarship are being sought from organizations and persons to join in to support young women entering the field of Engineering by making a donation to this program. The IEEE Foundation, a tax-exempt 501(c)(3) organization in the US, is accepting and managing the donations as indicated below:

1. Online at www.ieee.org/donate by selecting the Frances B. Hugle Memorial Fund.

2. By check, payable to the IEEE Foundation - Frances B. Hugle Memorial Fund. The mailing address for check payments is: IEEE Foundation, 445 Hoes Lane, Piscataway, New Jersey USA 08854

To learn more about the IEEE Foundation, please visit ieeefoundation.org, call the IEEE Development Office at +1 732-562-3915, or email donate@ieee.org.

Please note: This e-mail address is protected from spambots; JavaScript will need to be enabled. For more information on IEEE WIE, please visit www.ieee.org/women.

Psst… Send in a picture of your WIE Affinity Group to be featured in the IEEE WIE Newsletter!

What group will be featured next month?

IEEE Women in Engineering Frances B. Hugle Scholarship Award Program.

To commemorate its 25th year anniversary, TechSearch International has partnered with IEEE Women in Engineering (IEEE WIE) to form the IEEE Frances B. Hugle Engineering Scholarship Award.

This scholarship is in honor of the memory of pioneering legend Frances B. Hugle, an American serial inventor, scientist and engineer. TechSearch and its founder, E. Jan Vardaman, seeded the scholarship with a $5,000 donation this year. The objective is to raise $100,000 over the next few years to fully fund the scholarship award program.

This scholarship is established to encourage young women to follow in Hugle's footsteps and pursue their valuable information that could be shared with others.

This information would offer great insight and knowledge to our members that would be of great interest to the public and the WIE membership. If you are interested in participating as a webinar presenter, please email Keyana Tennant at keyana.tennant@ieee.org.

WIE would love to Profile You.

WIE will highlight IEEE Women Technical Professionals in the IEEE WIE newsletter! In an effort to recognize IEEE women’s achievements in STEM, the profiles will aim to increase the public’s perception of women in STEM fields. This spotlight of women technical professionals:

- Aims to enhance the understanding of STEM careers.
- Describes how the work of engineers benefits humanity and makes a difference.
- Introduce IEEE women, hear their stories of why they were inspired to become technical professionals, learn about their work environments, and find out their advice to girls interested in technical fields.

The profiles submitted will need to contain the following information:

- Brief biography
- Why did you become a technical professional?
- What information or advice would you like to pass on to young girls interested in STEM?
- How does your work as a technical professional benefit humanity?

If you are interested in being highlighted in the newsletter, please submit your profile to keyana.tennant@ieee.org.
Upcoming Awards of Interest.

Please view the upcoming awards listed below that may be of interest to WIE members and click on the link for each award for additional information:

USENIX Software Tools Users Group (STUG) Award - January 31, 2013: The STUG Award recognizes significant contributions to the community that reflect the spirit and character demonstrated by those who came together in the Software Tools User Group (STUG). Recipients of the annual STUG award conspicuously exhibit a contribution to the reusable code-base available to all and/or the provision of a significant enabling technology to users in a widely available form. STUG and the Software Tools effort were characterized by two important tenets. The first was an extraordinary focus on building portable, reusable libraries of code shared among multiple applications on wildly disparate systems. The other tenet, shared with the UNIX community, is "renegade empowerment."

USENIX Lifetime Achievement (Flame) Award - January 31, 2013: The USENIX Lifetime Achievement Award ("The Flame") recognizes and celebrates singular contributions to the UNIX community of both intellectual achievement and service that are not recognized in any other forum.

LISA (formerly USENIX/SAGE Outstanding Achievement Award) - January 31, 2013: Special interest group of the USENIX Association. LISA presents two annual awards. One, the Outstanding Achievement Award, goes to someone whose professional contributions to the system administration community over a number of years merit special recognition. It has been in existence since 1993. The other, the Chuck Yerkes Award, founded in 2005, is presented annually to the person (or people) judged to have most significantly contributed to the mentoring of their peers through contributions on the various LISA member forums.

CEDA/SIGDA Newton Award - February 1, 2013: Presented by the ACM Special Interest Group on Design Automation and the IEEE Council on Electronic Design Automation. To honor a person or persons for an outstanding technical contribution within the scope of electronic design automation, as evidenced by a paper published at least ten years before the presentation of the award. The award is based on the impact of the contribution.

ACM-W Athena Lecturer - February 1, 2013: Athena Lectures celebrate outstanding women researchers who have made fundamental contributions to computer science. Each year ACM will honor a preeminent woman computer scientist as the Athena Lecturer. Speakers are nominated by SIG officers.

CRA-W BECA - February 15, 2013: The Committee on the Status of Women in Computing Research (CRA-W) invites nominations for the BECA (Borg Early Career Award). The award honors the late Anita Borg, who was an early member of CRA-W and an inspiration for her commitment in increasing the participation of women in computing research. The annual award is given to a woman in computer science and/or engineering who has made significant research contributions and who has contributed to her profession, especially in the outreach to women.

ACM SIGARCH Maurice Wilkes Award - March 1, 2013: The award of $2,500 is given annually for an outstanding contribution to computer architecture made by an individual whose computer-related professional career (graduate school or full-time employment, whichever began first) started no earlier than January 1st of the year that is 20 years prior to the year of the award. The award is presented annually at the ACM SIGARCH Computer Architecture Awards Banquet.

IEEE Fellows - March 1, 2013: At the time the nomination is submitted, a nominee must: 1) have accomplishments that have contributed importantly to the advancement or application of engineering, science and technology, bringing the realization of significant value to society; 2) hold IEEE Senior Member or IEEE Life Senior Member grade; 3) have been a member in good standing in any grade for a period of five years or more preceding 1 January of the year of elevation.

WITI Hall of Fame - March 1, 2013: Key leaders in science and technology will be honored at the 18th Annual WITI Hall of Fame Awards Dinner on Monday, June 3, 2013 in conjunction with WITI's Annual Women Powering Technology Summit in the Silicon Valley. The WITI Hall of Fame was established in 1996 by WITI to recognize, honor, and promote the outstanding contributions women make to the scientific and technological communities that improve and evolve our society.

NSERC Canada Gerhard Herzberg Award - March 1, 2013: The NSERC Herzberg Medal is awarded annually for both the sustained excellence and overall influence of research work conducted in Canada in the natural sciences or engineering. The Gerhard Herzberg Canada Gold Medal for Science and Engineering, NSERC's highest honor, recognizes research contributions characterized by both excellence and influence—two qualities that defined Dr. Herzberg's illustrious career. It is awarded annually to an individual who has demonstrated sustained excellence and influence in research for a body of work conducted in Canada that has substantially advanced the fields of natural sciences or engineering.

ACM SIGMETRICS Lifetime Achievement Award - March 1, 2013: Presented annually at the SIGCHI conference to recognize
outstanding contributions to the study of computer human interaction, and includes a plaque and a $5,000 honorarium.

**ACM Senior Member** - March 1, 2013: The ACM Senior Member program, initiated in 2006, includes members with at least 10 years of professional experience who have demonstrated performance that sets them apart from their peers through technical leadership, and technical or professional contributions. As one of ACM’s prestigious Advanced Member Grades, ACM Senior Member status recognizes the top 25% of ACM Professional Members for their demonstrated excellence in the computing field. Along with Fellows and Distinguished Engineers, Scientists, and Members, ACM’s Senior Members join a distinguished list of colleagues to whom ACM and its members look for guidance and leadership in computing and information technology.

**ACM SIGMOBILE Outstanding Contribution Award** - March 15, 2013: The SIGMOBILE Outstanding Contribution Award is given for significant and lasting contributions to the research on mobile computing and communications and wireless networking.

**ACM SIGMOBILE Rockstar Award** - March 15, 2013: The RockStar Award is a new SIGMOBILE Award. The SIGMOBILE RockStar award recognizes an individual who has made recent outstanding research or product contributions to the field of mobile computing during the early part of his or her career.

**ACM-IEEE CS Eckert-Mauchly Award** - March 30, 2013: This is a technical award and the award nomination requires a minimum of 3 endorsements. A certificate and $5,000 are awarded jointly by the ACM and the Computer Society for outstanding contributions to the field of computer and digital systems architecture. This award will be presented at the upcoming ISCA 2013.

**SIGCOMM Lifetime Achievement Award** - March 31, 2013: The SIGCOMM Award was initiated in 1989 as a means of honoring computer communication professionals for outstanding lifetime technical achievement in the fields of data and computer communications. The award consists of an engraved pyramid from Tiffany's and a $2,000 honorarium. The award will be presented at the annual SIGCOMM Conference, at which time the awardee is invited to deliver a technical address.

**SWE Awards** - March 31, 2013: SWE Awards celebrate the lifelong contributions women engineers and technologists make to our society—and our world. We encourage and reward advancements in technological innovation, leadership, education, work/life balance, outreach and diversity. The 2013 New Faces of Engineering Award nomination form is now available.

Do you go to work every day and do what you love? Do you love what you do? Do tell. WIE want to hear about it! WIE are excited about Engineering and the many women that are a part of WIE! Women, who go to work every day and do what they love, and love what they do.

You are the essence of the WIE, the heart and soul of what makes the purpose and mission of the WIE a reality. WIE delight in your success and your zest and passion for Engineering. And, we want to hear your personal stories so that they might be a means to guide, mentor, and encourage other women in engineering. In today’s world, communication is at its peak, and so are technological advancements. But, behind all of this and the key to making this a reality are “people”, and they have a story to tell.... WIE want to hear about it.

WIE would like to profile your accomplishments in the monthly publication of the WIE Newsletter. WIE know that we have members out there who are doing a great job in the many fields and faceted disciplines of Engineering, and we want to recognize you within the WIE Community. If you or someone you know would like to share their story, WIE would be delighted to hear from you.

Please provide the person’s name, job title, employment information, a picture, a summary of what the person does, and what the person likes about Engineering to be included in the monthly newsletter. WIE would like to profile members working in all facets of engineering, ranging from doctors, scientists, educators, engineers, analysts, technicians, support functions, etc. WIE will profile one to two individuals monthly. Send all correspondences to Keyana Tennant at keyana.tennant@ieee.org or Paulette January at paulette.january@drs-c3.com.

Katina Michael is the Editor-in-Chief of IEEE Technology and Society Magazine. With two short stints at OTIS Elevator Company and Andersen Consulting, Katina was offered an exciting graduate engineering position at Nortel in 1996. In this role, Katina consulted to some of Asia’s largest telecommunication operators and service providers in China, Taiwan, Singapore, India, and the Philippines, among others. She also had several opportunities to be on secondment in North America which opened her horizons to the way that information and communication technologies would impact consumers and businesses in the future.

In 2002, Katina was offered a lectureship at the University of Wollongong, and decided to leave her network and systems solutions team to complete a Doctorate in Philosophy. Katina had been fascinated by automatic identification technologies since her years in high school, and was awarded her PhD in 2003 in the field of innovation. She credits her teaching and research success to the practical exposure she received during her years at Nortel in a variety of roles- strategic (pre-sales/geodemographic market demand), technical (network engineering/ dimensioning), and financial (business case/planning).

At the University of Wollongong, Katina has taught subjects as diverse as corporate networks to business process management, innovation in information technology, and organizational issues. More recently, Katina was integral in introducing an innovative major in social policy into the Bachelor of Information Technology. In 2009, she completed a Masters of Transnational Crime Prevention in the Faculty of Law which has aided her to begin researching legal and regulatory issues, changes to national security, cybercrime, and ensuing social implications.

Katina has written over 100 peer reviewed papers and five books, among which is a co-authored 500 page volume on the social implications of automatic identification technologies and location-based services. The guest-editor of eight special issues on a variety of themes to do with new and emerging technologies such as radio-frequency identification (Proceedings of the IEEE) and the social implications of national security (Prometheus). Katina is passionate about the way information and communication technologies are impacting the way we live and work.
Greetings from WIE Regional Coordinators:
Regions 5, 8, 9, 10

REGION 5

Name: Maura Schreier-Fleming

Occupation: Sales Consultant and business writer, Author of Real-World Selling for Out-of-this-World Results and Monday Morning Sales Tips

Company/University employed by: Best@Selling

Region(s) supported: Region 5

Area(s) covered by each Region: USA - Texas, Oklahoma, Arizona, Louisiana, Colorado, Missouri

How long have you worked in this field? Since 1997

What fascinates you or what do you think is fun about Engineering? Working with equipment

What motivates you to help and encourage the kids of today to pursue their dreams? If you work at what you love, you will never work a day in your life.

What is one fun thing you would tell a kid to do when they feel that studies are overwhelming or a bit too challenging? Get help. There's no prize for struggling to teach yourself a tough concept. Get someone who is a good teacher to explain it to you. There's more than one way to teach a difficult concept and often there's another person who can explain the concept just the way you need to understand it.

Is there anything special that you are planning for your region in 2013 or an upcoming event that you want to ensure that the WIE is aware of? Not just yet.

REGION 8 – 2012 Coordinator

Name: Ferdinanda Ponci

Occupation: Professor

Company/University employed by: RWTH Aachen University

Region(s) supported: Region 8

Area(s) covered by each Region: Europe, Middle East, Africa

Please visit our website at http://www.ieee.org/women
How long have you worked in this field? Since 1998

What fascinates you or what do you think is fun about Engineering? You get to know how the world works (at least some of it), you tackle problems with real constraints, it’s like “crosswords on steroids”. You can relate what you do to real benefits. It gives you a way to see and interpret reality, like no other.

What motivates you to help and encourage the kids of today to pursue their dreams? I think some may miss out great opportunities just because they are not aware of it, never thought of it, never new anybody who did it. Many more are fit for engineering than they think.

What is one fun thing you would tell a kid to do when they feel that studies are overwhelming or a bit too challenging? Two things. Pick one “tech” item (could be aqueduct, navigator, trash processing, cow milking, bread machine, water heater…..) and look up on the internet how it works and how we got to this point. Search for open positions in your field, and see the places you could go, the things you could do after you overcome present difficulties. More than anything, put your fears on a side, put your head down and work hard, as self-discipline works as a medicine.

Is there anything special that you are planning for your region in 2013 or an upcoming event that you want to ensure that the WIE is aware of? We are currently promoting a call for nominations for the 2013 Clementina Seduwa Award. Objectives of the Award is to recognize a women engineer in Region 8 who, through her engineering and career achievements, has demonstrated noteworthy support for women in the profession and have established a benchmark of engineering excellence and of the following eligibility criteria.

REGION 8 – 2013 Incoming Coordinator

Name: Joyce Mwangama
Occupation: PhD Candidate
Company/University employed by: University of Cape Town, South Africa
Region(s) supported: IEEE Region 8
Area(s) covered by each Region: Europe, Middle East and Africa
How long have you worked in this field? PhD Candidate
What fascinates you or what do you think is fun about Engineering? When I was younger, I always liked to understand how things work. As an electrical engineering PhD student, my research gives me the opportunity, to investigate and find solutions to technical problems. For me, this is very much fun.
What motivates you to help and encourage the kids of today to pursue their dreams? I have, in the past, been involved in outreach activities promoting the fields of science and engineering to some local Cape Town (South Africa) high schools through the “EPICS in IEEE” project. Sometimes I would be interacting with previously disadvantaged students from low income families. These projects involved yearlong mentorships to high school learners (some of them female) such that they were encouraged to pursue technical fields in their further education (something that a lot of them consider out of their reach or unattainable). The feeling of making a student realize that they can and should follow their dreams, while opening their eyes to science and engineering was very fulfilling. Even if the students don't feel like engineering is for them, they still learn a drive to not be held back and follow their dreams, whatever that may be.

REGION 9

Name: Nury Ramirez Cely
Occupation: Hardware Design Engineer
Company/University employed by: Intel Corporation, Guadalajara, Mexico
Region(s) supported: Region 9
Area(s) covered by each Region: Mexico, Argentina, Carribean
How long have you worked in this field? I have been working with Intel for 4 years, on the electrical design and development of complex printed circuit boards and/or subsystems for Intel architecture server platforms. I develop circuit design using CAD tools for schematics entry and circuit simulators. Among my strengths are Power Management and Local Area Network controllers integration within computer architecture design. My
previous job experience includes 1 year with Continental Automotive, where I coded scripts to automate tests during prototype validation.

What fascinates you or what do you think is fun about Engineering? Two things: No routine job, no two days look alike. And second, the fact that engineers actively contribute to the progress of the world. In engineering, we never get bored. Every new project, every new feature design or even every design issue represents a new challenge we have to conquer, to probe or to get more knowledge from. “It’s not what we make, it’s what we make possible”, states a quote at Intel’s halls. I feel inspired thinking of what a server means to the Internet backbone and to the industry in general and feel proud that I’m part of it.

What motivates you to help and encourage the kids of today to pursue their dreams? Men and women’s great stories motivate me to think that we can be great too; and I believe those stories have the same foundation: Find what really motivates us and do it.

Parents playing with their children and at the same time teaching them how to be disciplined and how to be constant and brave give humanity a wonderful gift. They are preparing those children to be the great scientists, engineers, musicians, psychologists, doctors, of tomorrow.

Generally speaking, children are full of enthusiasm, they are very curious and at the same time they feel identified with an admired adult. We, as parents, as teachers, as siblings and human beings, can take the role of demonstrating that with honesty and consistency we also pursue our dreams every day, and that with honesty and integrity we achieve them.

Children of today are growing with constant access to technology. I like to reflect on what would come in 20 years, what the next generations will create from what already exists, and combining those children’s characteristics make me hopeful about the future to come.

What is one fun thing you would tell a kid to do when they feel that studies are overwhelming or a bit too challenging? Do you remember Iron Man movie? Would not you like him, smart, inventive and by the way, attractive? Do you know how we could build his powered suit of armor? By being an expert in Mathematics, Physics, Chemistry and Computer Science!

These subjects are difficult (it’s true), long hours at night studying and learning, but you know what? The reward will come in the future. You will feel satisfied and proud of your achievement and, why not, recognized by your society.

As Tony Stark (Iron Man) suffered that severe injury in his chest when he was kidnapped, but he created a great weapon to protect the world. You as students of engineering have to “suffer” those hard studies, (of course you cannot forget taking a break and having fun as he did when he went to parties), that at the end will place you in a positive environment to achieve that big challenge.

REGION 10

Name: Takako Hashimoto

Occupation: Associate Professor

Company/University employed by: Chiba University of Commerce

Region(s) supported: Region 10

Area(s) covered by each Region: Asia-Pacific

How long have you worked in this field? 25 years

What fascinates you or what do you think is fun about Engineering? Through Engineering, we can to run a valuable work and make socially significant changes that benefit people. In addition, we can continuously work longer, while overcoming different gender problems such as a conservative mind, work-life balance and so on. By becoming a technical professional, we can feel fulfilled, and break obstacles on our career development.

What motivates you to help and encourage the kids of today to pursue their dreams? "Engineering" is one of best ways to fulfill your dream. It can help you develop and give opportunities for Contribution to Society.

What is one fun thing you would tell a kid to do when they feel that studies are overwhelming or a bit too challenging? "Studies" will stimulate your imagination and take you to an unexpected world. "Studies" are for yourself, and at the same time, they are for others.

Is there anything special that you are planning for your region in 2013 or an upcoming event that you want to ensure that the WIE is aware of? This year, I plan to promote the campaign for forming new WIE Affinity Groups more. R10 WIE will support various WIE activities, which will be conducted by the WIE Affinity Groups in R10, by R10 WIE fund, and give R10 WIE Section/Student Branch Affinity Group Awards, and R10 WIE Volunteer Award to highlight distinguished WIE Groups and volunteers.
**WIE PC Wallpaper Is Now Available.** The IEEE Women in Engineering Wallpaper is now available for use. You may use this on your PC and share with others. If you require a different format size, please contact Keyana Tennant at keyana.tennant@ieee.org. Enjoy!

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**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

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**IEEE GEOGRAPHICAL EVENTS AND ACTIVITIES**

MGA - Region Meetings Calendar


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**LET’S ANSWER A RIDDLE.**

*Why is tennis such a romantic sport?* Answer: Because every game starts with “Love”.

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**CAN YOU FIGURE THIS RIDDLE?**

*What does a polite doctor say when he is about to operate?* (Tune in next month for credits and the answer.)

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**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.

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**WIE Committee Members - 2013**

Nita Patel, Chair
Ramalatha Marimuthu, Past Chair
Parveen Wahid (2012-2013)
Bernadette Bouchon-Meunier (2012-2014)
Deepa Shenoy
Nury Ramirez
Takako Hashimoto
Noel Schulz (TAB) (2012-2013)
Prabhathy Viswanathan, Student Member

WIE Staff
Keyana Tennant, Program Manager – WIE
Paola Bringas, Administrative Assistant – WIE

WIE Project Champions – 2013
Dr. Karen Panetta, Editor, WIE Magazine
Keyana Tennant, Associate Editor – WIE Magazine, WIE Newsletter
Paulette January, Editor – WIE Newsletter
Holly Cyrus, Awards

2013 WIEC Liaisons
EAB – TBD
IEEE-USA - TBD
Carmen S. Menoni (PSPB)
Pamela Kumar – Standards Association
Noel Schulz (TAB) (2012-2013)

2013 WIE Regional Coordinators
Darlene Rivera (Region 1)
Katherine Duncan (Region 2)
Anastasia Davis (Region 3)
Kristi Brooks (Region 4)
Maura Schreier-Fleming (Region 5)
Shirin Tabatabai (Region 6)
Zahara Ahmadian (Region 7)
Joyce Mwangama (Region 8)
Nury Ramirez (Region 9)
Takako Hashimoto (Region 10)

2013 Society Coordinators
AEROSPACE & ELECTRONICS SYSTEM SOCIETY, TBD
ANTENNAS AND PROPAGATION SOCIETY, Parveen Wahid
BIOMETRICS COUNCIL, TBD
BROADCAST TECHNOLOGY SOCIETY, TBD
CIRCUITS AND SYSTEMS SOCIETY, Pamela Abshire
COMMUNICATIONS SOCIETY, Marie-Jose Montpetit
COMPONENTS, PACKAGING, AND MANUFACTURING TECHNOLOGY SOCIETY, TBD
COMPUTATIONAL INTELLIGENCE SOCIETY, Jennie Si
COMPUTER SOCIETY, TBD
CONSUMER ELECTRONICS SOCIETY, TBD
CONTROL SYSTEMS SOCIETY, Linda Bushnell
COUNCIL ON ELECTRONIC DESIGN AUTOMATION, Ayse Coskun
COUNCIL ON SUPERCONDUCTIVITY, Cathy Foley
DIELECTRICS AND ELECTRICAL INSULATION SOCIETY, Azam Nekahi
EDUCATION SOCIETY, Lynne Slivovsky
ELECTRON DEVICES SOCIETY, TBD
ENGINEERING IN MEDICAL AND BIOLOGY SOCIETY, Lisa Lazareck
GEOSCIENCE SOCIETY, TBD
INDUSTRIAL ELECTRONICS SOCIETY, TBD
INDUSTRY APPLICATIONS SOCIETY, TBD
INFORMATION THEORY SOCIETY, TBD
INSTRUMENTATION AND MEASUREMENT SOCIETY, Ferdinanda Ponci
MAGNETICS SOCIETY, TBD
MICROWAVE THEORY AND TECHNIQUES SOCIETY, TBD
NANOTECHNOLOGY COUNCIL, Carmen Lilley
NUCLEAR AND PLASMA SCIENCES SOCIETY, Allan Johnston
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PHOTONICS SOCIETY, Hatice Altug, Ph. D.
POWER ELECTRONICS SOCIETY, TBD
POWER & ENGINEERING SOCIETY, Shay Bahramirad
PRODUCT SAFETY ENGINEERING SOCIETY, TBD
RELIABILITY SOCIETY, Marsha Abramo
ROBOTICS AND AUTOMATION SOCIETY, Xiaorui Zhu (2012-2014)
SENSORS COUNCIL, TBD
SIGNAL PROCESSING SOCIETY, TBD
SOCIAL on IMPLICATIONS of TECHNOLOGY (SSIT), TBD
SOLID STATES CIRCUIT SOCIETY, Wanda Gass
SYSTEMS COUNCIL, Stephanie White
SYSTEMS, MAN AND CYBERNETICS SOCIETY (SMCS), Maria Pia Fanti
ULTRASONICS, FERROELECTRICS, AND FREQUENCY CONTROL SOCIETY (UFFC), TBD
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I work with friction stir processing.

Advice to girls interested in technology:
"Embrace the difficulties."

Dr. Marilyn Leong (Computer Science)

I nourish young minds.

Profile of a technical paper and researcher in the field of control systems, advances contributions to flight controls and flight controls to complex technical problems have gained many awards.

Advice to girls interested in technology:
"Do what you love to do, follow your passion.

Ms. Barbara Feit (Sensors) [Mechanical] Control Systems Engineer

I live it.

Profiled for recently delivering Project Manager for Missile Defense Agency, Command, Control, Battle Management Graduate Program in Product Development

Advice to girls interested in technology:
"Stand out and highlight your intelligence."

Ms. Marilyn Land (Electrical Engineering)

I Change the World. I am an Engineer.

I design faster fibers.

“I am a research engineer who designs optical fibers, extracts their performance, and gives technical advice to support, new ventures.”

Advice to girls interested in technology:
"Engineering jobs are interesting, rewarding, and helpful to humanity.

Ms. Bhands (Optical Science and Engineering)

I know nano.

“One of my first undergraduate research projects was growing one new crystals using a new technique to solve a problem. Before this investigation, the problem was unsolved. This was the primary goal of this work.”

Advice to girls interested in technology:
"Ask as many questions as possible.”

Dr. Ashley Lawrence (Electrical Engineering, AI/Robotics)

I love collaboration.

"Every day I get to see how our students and professors are tackling the world’s most pressing problems.”

Advice to girls interested in technology:
"If you love engineering, you’ll be great.”

Ms. Jasmine Johnson (Electrical Engineering, AI/Robotics)

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I help heal others.

I power the grid.

I explore tombs.

Advice to girls interested in technology:
“Embrace being feminine and unique.”

“I am currently working on components to the power grid structure to reduce blackouts, thereby saving hundreds of thousands of dollars.”

“Prof. Liu developed a mobile robotic system, the first of its kind in the world, that was used for archaeological Chinese ancient tomb explorations.

Advice to girls interested in technology:
“Identify a role model to follow.”

“I am an Engineer.

I train combat pilots.

I am in control.

I engineer aircraft.

Advice to girls interested in technology:
“Your talents and skills are much needed, and will be greatly appreciated.”

“Lara, a seniority professor and prolific author, researches the modeling and control of mechanical, pneumatical, rail, and robotic systems, and visual and secure robotics.”

“Trust in your brain.”

Advice to girls interested in technology:
“Believe in the power of ideas and their technical application.”

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