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## Chair's Message By SP Chang, Ph.D., Chair New York Section

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For those did not get a chance to attend our ADD in February, thanks to Dr. Amitava Dutta-Roy, you can find lots of pictures and details at web page <http://engineersscientistsandfriends.weebly.com/award-dance-and-dinner-ny-section-ieee.html> or through the New York Section web site at [http://www.ewh.ieee.org/r1/new\\_york/](http://www.ewh.ieee.org/r1/new_york/). Hope you will enjoy it!

Many of our members worked as Professional Engineers (PEs) in New York City and New York state and need CEU (Continuing Education Unit) for their licenses renewal every 3 years. Some of our Organization Units (OU) like the Power Engineering Society (PES), Tappan Zee Subsection, Communication Society, etc. offer such credits for their activities in a close to or below cost manner and as a benefit to our members. However, almost all of our events held by more than 30 OUs are all qualified to offer CEUs to their attendees. The problem is the process of getting approval to offer CEU from IEEE, the documentation requirement, the certificate applying process, etc. are not well known by all of our OU officers. Thanks to our PACE chair Bob Pellegrino, Education Chair Leon Nock and O&P chair Bill Coyne who are working together and will have a procedure write up soon incorporated into our O&P manual and posted on our web site. Special thanks to Bob Pellegrino (who wrote in painful detail) the whole process. What we hope is more events with CEU offering will be provided to our members after this document is published and all OUs can follow the procedure easily. We look forward to this major improvement to serve our members.

New York section is served by volunteers. Besides our Monitor editor, none of the officers are paid in any way. Our officers are under heavy work load on their jobs and also from the volunteer works that they committed. We constantly look for new volunteers to improve our section's resource pool. If you or anyone you know have interest and the big heart to serve, to help and to inspire, please bring them to our Executive Committee meeting or ask them to contact any section officers. We still have need for committee members in different committees.

Last, I would like to remind all our members to renew your 2013 IEEE membership again, if you have not done so. Please do so at your earliest convenience. Again, if you are suffering due to the current economic situation, you can continue your membership at 50% off. The IEEE can also help by providing to you and your family healthcare insurance, term life insurance, etc. If you have any question, please contact our Membership Development chair, Neil Weisenfeld, at [WEISENFELDN@coned.com](mailto:WEISENFELDN@coned.com) for member benefit detail.

Spring is now here and we can feel the warmth in our blood. Many of our programs have also started for the year. Let's all put our best effort forward for our members for that's the reason why we exist. Best wishes!

Cheers!  
**SP Chang, Ph.D.**  
Chair, IEEE New York Section  
[spchang@us.ibm.com](mailto:spchang@us.ibm.com)

# Calendar of Events

## April 2013

### April 20th

Tri-County Science & Technology Fair  
White Plains High School

### April 22nd

New York Chapter of IEEE Systems, Man, Cybernetics (SMC) Society  
**Research on Wireless Sensor Networks: Current Issues and Future Trends**  
By Prof. Dajin Wang

### April 23rd

The NY Section of the IEEE PES and the IAS NY Chapter and the LMAG  
**Variable Frequency Transformers - An Overview**  
By John Marczewski, founding member &  
Principal of Energy Initiatives Group, LLC.  
Refreshments 5:00PM  
Lecture 5:30PM

### April 23rd

IEEE Tappan Zee Subsection Joint Meeting with Westchester Chapters of  
ASME & SME

### **Precision Machine Design Fundamentals, Part 1**

By John Massucci, P.E. , INNOVATORI, INC.  
Refreshments: 6:30PM  
Lecture: 7:00PM

### April 24th

IEEE Computational Intelligence Society, New York Chapter  
**"What will it take to have second green revolution? Challenging problems in developmental and computational biology"**  
By Dr. Wen-Hsiung Li, Department of Ecology and Evolution, University of Chicago & Biodiversity Research Center, Academia Sinica, Taiwan  
Lecture: 4:00PM  
Larken Hall, First floor, Fordham University , Rose Hill campus  
Bronx, NY

### April 26th

STEM Night at NYSCI  
New York Hall of Science  
Queens, NY  
5:00PM - 8:00PM

## May 2013

### May 8th

IEEE New York Section Executive Committee Meeting  
12:30PM  
Con Edison  
4 Irving Place - Room 6C  
New York, NY

### May 18th

IEEE Region 1, METSAC, Southern Area Sections  
IEEE Career Advancement Workshop  
Fairleigh Dickinson University - Wilson Auditorium  
Teaneck, NJ

For more information about these meetings and lectures,  
please visit:

[http://ewh.ieee.org/r1/new\\_york/](http://ewh.ieee.org/r1/new_york/)

## New York Section Officers

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## Affinity Groups

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## April Lecturers and Seminars

The NY Section of the IEEE PES and the IAS NY Chapter and the LMAG are presenting a lecture titled:

### **Variable Frequency Transformers - An Overview**

Tuesday, April 23, 2013

Refreshments 5:00pm Lecture 5:30pm

Con Edison - The Edison Room, 19th Floor, 4 Irving Place

*This program will be awarded IEEE Continuing Education Units*

**Abstract:** Over the past few years there have been several controllable transmission projects placed in operation using GE's Variable Frequency Transformer (VFT) technology to control power flow. This includes the Linden VFT, a 315 MW bi-directional facility in Linden, NJ connecting the NYISO/Con Edison and PJM/PSE&G systems which went into operation in late 2009. This presentation provides an overview of the VFT technology, its applications, and reviews actual performance experience at Linden as well as some of the other VFT locations.

**About the speaker:** John Marczewski is a founding member and Principal of Energy Initiatives Group, LLC. John's expertise and experience include many key aspects of electric power system projects and technologies. His past work assignments involved development, engineering/design, construction and operation of distribution, transmission and generation projects. This work has included many diverse efforts such as state-of-the-art high Voltage DC and controllable AC transmission technologies, renewable energy and high speed rail electrification. John holds a BSEE from WPI and an MSEE from RPI. He is a registered PE in several states, a member of the National Association of PE's (NSPE) and a member of IEEE and its Power Engineering Society.

**Registration:** To register, please e-mail Arnold Wong at [wongar@coned.com](mailto:wongar@coned.com). For security reasons, no walk-ins will be allowed.

## The Monitor

To make the Monitor a more useful tool, I am looking for information that will be helpful to all Section members in the following categories  
(or any other categories that you feel is relevant to the New York Section)

- \* IEEE New York Section news
- \* Upcoming Section technical & professional development meetings
- \* Information on any upcoming events and section conferences (including how to purchase tickets to the event & sponsorship opportunities)
- \* Stories & pictures of any past event or conference attendance
- \* History articles
- \* Industry articles & news (these can be news releases or press releases from companies in the New York City area)
- \* Job openings
- \* Career management tips and/or articles
- \* Student activities
- \* Membership information
- \* Awards & recognitions
- \* Legal affairs- relevant to the world of Engineering
- \* Ads for businesses and schools

For the publishing schedule, advertising rates and any comments or suggestions, please contact me at [ieeenymonitor@ieee.org](mailto:ieeenymonitor@ieee.org)

Thank you,  
Alison Rubin  
Managing Editor  
The Monitor

## April Lecturers and Seminars (continued)

IEEE Tappan Zee Subsection Joint Meeting with Westchester Chapters of ASME & SME are presenting a lecture titled:

### ***Precision Machine Design Fundamentals, Part 1***

By John Massucci, P.E., INNOVATORI, INC.

Tuesday, April 23, 2013

Refreshments 6:30pm Lecture 7:00pm

Room 112 at the School of Health Sciences and Practice (SHSP) Building

New York Medical College, Valhalla, NY

**Abstract:** This seminar will discuss the fundamentals of Precision Machine Design, in the energetic style of Prof. Alexander Slocum of MIT (of whom the lecturer was a former student), and will include selected topics from Prof. Slocum's two books, "Fundamentals of Design", and "Precision Machine Design". The topics that will be discussed are the following: Design is a passionate process, (passion, deterministic design, systematic organization of ideas), creating ideas, and the fundamental concepts (Occam's Razor, Newton's laws, Conservation of Energy, Saint-Venant's Principle, Golden Rectangle, Abbe's Principal, Structural Loops, Preload, Centers of Action, Exact Constraint design, Elastically Averaged design, etc.).

**About the speaker:** John E. Massucci, M.S.E.M., P.E. – Mr. Massucci is a licensed Professional Engineer with a Mechanical Engineering degree from M.I.T. and an Engineering Mechanics Masters degree from Columbia University. He is also a graduate of the GE's Manufacturing Management Program. His fields of interests include Innovation, Machine Design, User Centered Design, Rapid Prototyping, Airframe Structural Analysis, and all facets of the Internal Combustion Engine. Mr. Massucci has been employed by numerous engineering companies over the last 20 years, including Lincoln Laboratory, GE, Verizon, and Pitney Bowes. He has worked with MIT's Innovation Lab on projects to assist large companies in the development of new products and services. He has obtained over 14 Patents. Mr. Massucci is the President of Innovatori Inc., a consulting company that provides Design, Analysis, and Project Leadership expertise to various technical organizations. Sikorsky Helicopter, for example, is currently using many Innovatori Inc.'s services on multiple Presidential helicopter programs.

**Registration:** **RSVP** is required and requested by close of business on April 22, 2013 to Tom Juell [vinfiz1911@verizon.net](mailto:vinfiz1911@verizon.net) and Jinjun Xiong, [jinjun@us.ibm.com](mailto:jinjun@us.ibm.com). You must pre-register for this event by going to [https://meetings.vtools.ieee.org/meeting\\_view/list\\_meeting/18035](https://meetings.vtools.ieee.org/meeting_view/list_meeting/18035). All are invited, and the lecture is free.

#### **Seminar Coordinators:**

Robert M. Pellegrino, IEEE Tappan Zee Subsection

Tom Juell, Society of Manufacturing Engineers Westchester Chapter 216



Invitation to a Half-Day Conference

## Talent Management 2.0 HR Innovation in the Big Data Era



Thursday, April 18, 2013  
 Registration: 12:00 – 1:15 pm  
 Conference Program: 1:15 - 6:30 pm  
 Networking Buffet at Exhibits: 6:30 - 8:30 pm  
 Polytechnic Institute of New York University  
 5 MetroTech Center -- Pfizer Auditorium

**Talent Management 2.0 is a strategic advance in the evolution of human capital management that integrates information technology, workforce analytics, organization science and economics.**

**Systems to recruit, develop and retain talent will be addressed with a focus on technology innovation that drives HR in the era of Big Data. Speakers include prominent thought leaders in talent management as well as Big Data experts from industry and academia. New technologies in the "War for Talent" will be revealed. This is a valuable opportunity to network with leaders in this emerging field.**

**HR technology providers will present their services and/or products.**  
 Additionally, employers will be seeking talented professionals.

#### Sponsors:

- NYU-Poly Department of Technology Management and Innovation
- PolySHRM (student chapter of HRNY & affiliate of SHRM)
- IHRIM (International Association of Human Resource Information Management)
- Business & Industry Sponsors: AONHewitt, HITS Solutions & others TBA

#### Recertification credit hours:

- IHRIM – 5.25 Credits for HRIP (Human Resource Information Professional)
- SHRM – 4.25 Credits for PHR/SPHR/GPHR (Professional in Human Resources/Senior PHR/Global PHR)

#### Participants:

- Executives, managers and professionals in HR, IT & other specialties
- Students in engineering, IT, technology management & HR-related disciplines
- Industry vendors & recruiters

#### Location & Travel Directions:

Polytechnic Institute of New York University (NYU-Poly)  
 5 MetroTech Center, Downtown Brooklyn

NYU-Poly is conveniently located at Downtown Brooklyn's MetroTech Center, minutes from Wall St. Travel directions to the NYU-Poly campus: <http://www.poly.edu/node/463>.

## April Lecturers and Seminars (continued)

IEEE Computational Intelligence Society, New York Chapter is presenting a lecture titled:

**"What will it take to have second green revolution?"**

**Challenging problems in developmental and computational biology"**

By Dr. Wen-Hsiung Li, Department of Ecology and Evolution, University of Chicago

Biodiversity Research Center, Academia Sinica, Taiwan

Wednesday, April 24, 2013

Lecture 4:00pm

Larken Hall, First floor, Fordham University, Rose Hill campus (Bronx, NY)

For more information, please contact Ms. Palma Hutter at (718)817-4480 or [hutter@fordham.edu](mailto:hutter@fordham.edu)

## IEEE USA Webinars

### **Building Your Online Resume Using LinkedIn**

Presenters: Kim Brown and Don Herres

Date: May 2, 2013

Time: 2-3 PM ET

#### **Overview**

The purpose of a resume is to get you to the interview with a prospective employer or client. An online resume is different for two reasons: It is not targeted at a specific employer, and it can be found without you submitting it. Eighty-five percent (85%) of employers are using LinkedIn, and your online visibility is a great asset. This webinar will explore what key elements you need to have, what you should avoid, and how to format your resume, so it is easily read by both a person and a computer. Kim will be doing real-time demonstrations on how to use LinkedIn.

#### **About the Presenters**

**Kim Brown** is Assistant Director of Alumni Programs for Syracuse University Career Services. Kim promotes the office's engagement with alumni, both for their own career needs, and for the needs of current students. Kim uses social media extensively in her role, coordinates career events and programs meant to connect alumni with students, and is currently working to grow the group of alumni who serve as career resources for students. Kim graduated Summa Cum Laude from Syracuse University (SU) in 2006, with a B.A. in Broadcast Journalism and Political Science. After several years working as a news reporter, she returned to SU in this position.

**Don Herres** is the IEEE Region 1 Employment & Career Activities Coordinator. Don has been involved with Career Activities Workshops with IEEE for a number of years, and he was awarded an IEEE-USA Citation of Honor in 2006 for these efforts. Don has a BSEE from SUNY Buffalo, MSEE from Syracuse University, and he is a licensed professional engineer (P.E.) in New York State. He has extensive experience in product design and manufacturing, holds three patents, and recently retired from his full-time paying job to work on his unpaid volunteer jobs. He also does consulting engineering.

**To sign up for this webinar, please go to:** <http://www.ieeeusa.org/careers/webinars/2013/webinar-05-02-13.html>

# 20 Years of Science Fair Fun!

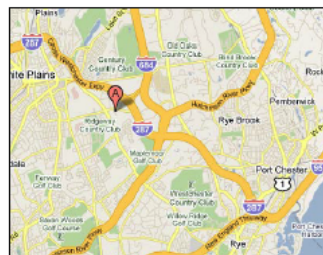
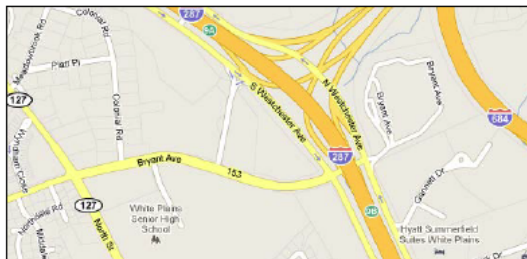
We need your help! Please join your fellow experts and give back to our children - show them how great science is! And have fun too!

## JUDGES WANTED for the 20th Annual Tri-County Science & Technology Fair (Westchester, Rockland & Putnam Counties)

**Date:** Saturday, April 20, 2013

**Time:** 9:15 AM until about 12:30 PM - light breakfast and lunch included!

**Where:** **White Plains High School, 550 North St. (Rte. 127), White Plains**  
 From south or east, take the Hutchinson River Pkwy north. Exit at Exit 25-Rt. 127. Take a left at the top of the exit ramp. Go about 1 mile. It's on the right side.  
 From the north or west, take the Sprain or the Saw Mill R. Pkwy south. Exit at Cross Westchester (I-287 East). Take exit for and follow signs to Route 127. White Plains HS will be approximately 1 mile on the left.



**Grades:** Elementary through High School

**Categories:** Biology, Chemistry, Mathematics/Computers, Engineering/Technology, Environment, Earth/Space Science, Health & Medicine, Physics, Psychology

Register online at: <http://tinyurl.com/tcsf-judges-form>

Please tell your colleagues and science friends about this great event.

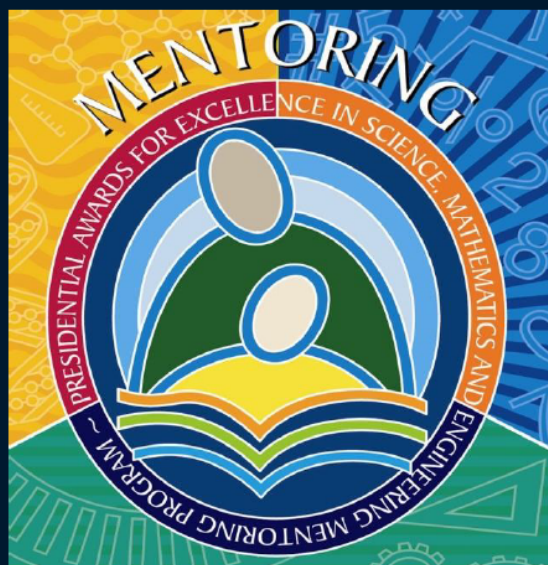
Thanks again for helping, and we look forward to another successful Fair!

Tri County Science & Technology Fair  
 c/o Putnam Children's Discovery Center, Inc.  
 PO Box 222  
 Carmel, NY 10512

Need more information? Questions? Please contact us by e-mail at: [karell@ccesworld.com](mailto:karell@ccesworld.com)



## NOMINATIONS NOW OPEN FOR THE 2014 *Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM)*



*"...we celebrate the contributions of all those who cultivate a supportive environment for the next generation, and we recommit to expanding mentorship opportunities across our country."*

– President Barack Obama

*Presidential Proclamation  
for National Mentoring Month, 2012*

### **\$10,000 Honorary Presidential Award**

Awardees are invited to Washington, D.C. for recognition events and meetings with policy leaders.

#### **INDIVIDUAL PAESMEM AWARD**

Recognizes exceptional individual mentors who are U.S. citizens or permanent residents in industry, academia, primary and secondary education, military and government, non-profit organizations, and foundations .

#### **ORGANIZATIONAL PAESMEM AWARD**

Recognizes organizations that demonstrate exceptional mentoring. Organizations must be affiliated with a U.S. corporation, educational institution or agency, military or government agency, non-profit organization, or foundation.

### **Nomination materials due by June 5, 2013**

*Anyone can nominate an individual or organization and self-nominations are accepted.*

Go to [www.nsf.gov/PAESMEM](http://www.nsf.gov/PAESMEM) for nomination forms

The White House Office of Science and Technology Policy and the National Science Foundation seek nominations of individuals and organizations that have demonstrated at least five years of excellence in mentoring students, trainees, and/or early career scientists and engineers from groups that are underrepresented in STEM, including women, people with disabilities, underrepresented racial and ethnic minorities, as well as individuals from low socio-economic backgrounds and some geographic regions (i.e. urban and rural).



Send questions to: [PAESMEM@nsf.gov](mailto:PAESMEM@nsf.gov)



ORGANIZED BY IEEE REGION 1, METSAC, SOUTHERN AREA SECTIONS

# IEEE CAREER ADVANCEMENT WORKSHOP



SATURDAY MAY 18 2013, FAIRLEIGH DICKINSON UNIVERSITY WILSON AUDITORIUM, TEANECK, NJ

## WHY ATTEND?

IEEE Career Advancement Workshop provides practical and powerful strategies to maximize your career talents, build your perfect, personal brand, and communicate your brand in cover letters, resumes and interviews. The day will feature sessions on how to create an Unbeatable Resume, resume strategies that will get you hired, creative ways to get your resume noticed, along with tips to perfect your resume & ace all interviews and a panel/workshop on strategies in professional career advancement.

## WHO SHOULD ATTEND?

Engineers, technologists, scientists, students, researchers, faculty, and business professionals engaged in the disciplines of engineering, information technology, science, and management will greatly benefit.

## PROGRAM

### Continental Breakfast and Opening

Welcome Message from IEEE Region 1 Director and the Provost of FDU

### Keynote Speaker

Peter Staecker IEEE President & CEO

### Morning Session:

Resume Development & Job Interview Workshop  
Stuff You Don't Learn in Engineering School

### Lunch Talk: "Women in Engineering"

### Afternoon Session:

Essential Skills to Survive & Thrive in Workplace  
Mastering Communication Skills for Success at Work  
Effective Networking: Finding "Hidden" Opportunities

### Panel Discussion: Career Strategies for Professionals

### Closing Remarks & Networking

The ultimate goal of this **IEEE Career Advancement Workshop** is to empower attendees and their profession. It will motivate them to work with management and human resources to innovate their own career and lifestyle, build confidence, develop self esteem and leadership skills helping them to achieve greater success in their careers.

Information and Registration

[www.ewh.ieee.org/r1/metsac/](http://www.ewh.ieee.org/r1/metsac/)

## REGISTRATION INFORMATION

### Early Bird Registration to Apr. 30th

Member	Non-Member	Student
\$40	\$55	\$20

### Regular Registration after Apr. 30th

\$50	\$65	\$30
------	------	------

0.6 CEU / 6 PDH credits  
are earned by completing  
all sessions



Author Carl Selinger will autograph copies of his book *Stuff you Don't Learn in Engineering School: Skills for Success in the Real World* that attendees bring to the Workshop.





### Sponsors

IEEE Region 1  
IEEE METSAC Council  
IEEE Connecticut Section  
IEEE Long Island Section  
IEEE New Jersey Coast Section  
IEEE North Jersey Section  
IEEE New York Section  
IEEE Princeton/Central Jersey Section

### Organizing Committee

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Nikolaos Golas

**Program Chair:**  
Robert Pellegrino

**Local Arrangement Chair:**  
Kalyan Mondal

**Coordination Chair:**  
Madhav Phadke

**Finance Chair & Treasurer:**  
Charles Rubenstein

**Registration Chairs:**  
Adriaan van Wijngaarden  
Robert Pellegrino

**Sponsorship Chair:**  
Kirit Dixit

**Publicity Chair:**  
Adriaan van Wijngaarden

**Exhibits Chairs:**  
Wes Bury, Russell Pepe

**Webmaster:**  
Harold Ruchelman

### Information and Registration

[www.ewh.ieee.org/r1/metsac/](http://www.ewh.ieee.org/r1/metsac/)

Time	Program-at-a-Glance
07:15 – 08:15	Registration, Breakfast, Meet and Greet (Dickinson Hall Lobby)
08:15	Welcome: Nikolaos Golas, METSAC Chair (Wilson Auditorium)
08:20	Introduction of FDU Provost Peter Eckstein, IEEE Region 1 Director
08:25	Welcome Address: FDU Provost and Senior Vice President for Academic Affairs, Dr. Christopher A. Capuano
08:30	Keynote Address: Peter W. Staecker IEEE President & CEO
08:45 – 09:45	Resume Workshop: Create Resumes that Get You Hired: Don Herres, IEEE Region 1 Employment & Career Activities Coordinator
09:45 – 10:45	Interview Skills Workshop: Turning Interviews Into Job Offers: Don Herres, IEEE Region 1 Employment & Career Activities Coordinator
10:45 – 11:00	Coffee Break (Cafeteria, Dickinson Hall Lobby)
11:00 – 12:00	Stuff You Don't Learn in Engineering School: Author Carl Selinger, Principal, Carl Selinger Services
12:00 – 13:00	Lunch (Cafeteria, Dickinson Hall Lobby) Lunch-Time Talk: Women in Engineering, Dr. Gloria B. Reinish, Fairleigh Dickinson University (12:30-12:45, Wilson Auditorium)
13:00 – 14:00	Essential Skills to Survive & Thrive in the Workplace, Bala Prasanna, Program Manager, IBM
14:00 – 15:00	Mastering Communication Skills for Success at Work, Bala Prasanna, Program Manager, IBM
15:00 – 15:15	Coffee Break (Cafeteria, Dickinson Hall Lobby)
15:15 – 16:15	Effective Networking: Finding "Hidden" Opportunities for Job Search and Career Success, Dru Reynolds, Reynolds Recruiters
16:15 – 16:45	Panel Discussion, participants: Don Herres, Carl Selinger, Bala Prasanna, Dru Reynolds and Naresh Chand
16:45 – 17:15	Mingle and Network (Dickinson Hall Lobby)
17:15	Conclusion of IEEE Career Advancement Workshop

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## GOOGLE Celebrates International Women's Day In NYC

By Virginia Logan

NJIT Adjunct Professor, Technology and Innovation

On Wednesday, March 27, 2013 Google hosted over 100 women (and a few supporting men) to celebrate International Women's Day at the Google New York City offices. International Women's Day is an effort to facilitate the various initiatives to continue the drive of gender equality in the workplace, the community, and the world. The evening opened with networking and mingling of fresh faces and veterans sharing career and professional experiences over refreshments.



Women: "The New Breadwinners", was presented by Einah Palaez, Transportation Engineer, HDR and Stacey Hodge, Director, Office of Freight Mobility, New York City Department of Transportation. A provocative albeit not new discussion of the findings of their informal survey echoed the decades-long debate and struggle for work life balance and career opportunities for women. Given the recent economic downturn and extensive layoffs disproportionately affecting men who may have been the traditional breadwinners, an increasing trend of women becoming the major, if not the sole breadwinner of the family has significantly surfaced. The current generation of households are having discussions and making adjustments to the newer and more common paradigm that their parents rarely had to deal with including responsibilities of childcare/eldercare, domestic chores, finances and career switch-offs. The shift from traditional societal norms and stigmas is one fraught with numerous challenges as each household attempts to find the balance that fits their personal needs and circumstances while juggling pressure, expectations and judgment from extended family, colleagues and employers.

Melissa Bailey, a young network engineer at White & Case, and singer ("Melissa B."), made an impressive presentation on the new model and tools for digital distribution of music and networking in the industry. As one of the early organizers of Girl Geek Dinners in NYC, she is an advocate for breaking down traditional social stigmas of women in technology and encouraging young girls in school to



### The Trials and Tribulations of Music and Technology by a Girl Geek

pursue a career in technology or other STEM field.



Panelists: **Karolína Netolická**, Product Manager, Google; **Lindsay Hall**, Software Engineer, Google; **Ksenia Bukina** UX Lead, Google Cloud Platform

A three-member, Women in Technology panel of female Google employees presented various perspectives of their experiences in technology in general and specifically in their careers at Google. The ensuing question and answer period provided additional insights from attendees who were looking to re-enter the workforce, make a career shift or share their experiences in hopes of helping and enlightening others.

The evening concluded with a few raffles of Google merchandise including a much coveted Google Nexus Tablet, more networking in hopes of continued dialog of women's growing and undeniable role in Technology and Society and a few giveaways for all attendees.



**Virginia Logan** has over twenty years of technical, project/program management and software implementation experience spanning industries including transportation, insurance, and retail. She has provided leadership and oversight of implementation of software, hardware and network solutions for operations improvement for several agencies of the NYC MTA and for Fortune 100 companies. Focus areas in information technology include channel development, strategic alliances and collaborative and line of business applications. She has served as an adjunct professor at several colleges and universities in the area of information technology, innovation and business strategy. Virginia also makes the time to mentor high school and college students through ACE Mentor program and local community organizations. She also participates in several industry trade and professional organizations including IEEE, CMAA, and WTS.

## Steps in STEM: Promoting Women in Science, Technology, Engineering, and Mathematics Careers

On March 22, 2013 Congress member Carolyn Maloney (D-Manhattan, Queens, Brooklyn) hosted a forum and career fair that promoted women in science, technology, engineering, and mathematics (STEM) careers at the CUNY Graduate Center. Approximately 400 high school and college-aged students attend the event to hear key female leaders from various STEM field backgrounds to discuss the importance for students (in particular female) to study in this area and advice on how to pursue professional careers in these fields.



After the panel session a career fair was held where over 20 companies, institutions, organizations and government agencies in the STEM sector were available to answer student's questions and explain their special programs, internships, memberships, or other opportunity just for students. IEEE's Standards Association, Women in Engineering and the NY Section were eagerly available to answer students questions.



**Panelists on STEM Careers included:** Dr. Anna Kerttula de Echave, program director of the division of Polar Programs at the National Science Foundation; Dr. Sandra Masur, professor of ophthalmology and director of the Office for Women's Careers at the Icahn School of Medicine at Mt. Sinai; Laurie Carey, partner and technology advisor at Microsoft; Dr. Susan Perkins, associate curator and professor in the Division of Invertebrate Zoology at the American Museum of Natural History; Mariette DiChristina, editor-in-chief and senior vice president at *Scientific American*; Dr. Ann Henderson, associate provost and dean of sciences at the CUNY Graduate Center.

Balvinder Deonarine, IEEE NY Section;  
James Wendorf, IEEE Standards Association;  
Darlene Rivera, IEEE Region 1 WIE



## IEEE Computer Society Webinar

### Try F# for Big and Broad Data

Date: Tuesday, May 7, 2013

2:00 PM ET (Duration: 1 hour)

Try F# is an easy on-ramp to learning F#, a simple and pragmatic programming language combining functional, object-oriented and scripting programming. During the webinar you will learn how to use the tutorials to solve real-world scenarios, including analytical programming and information-rich programming encountered in finance and data science.

At the end of the webinar you will be able to bring the web of data to your fingertips through type providers, write code in the browser and share it with the rest of the community.

#### Presenters are the following:

##### *Evelyne Viegas, Director Semantic Computing*

Evelyne Viegas is the Director of Semantic Computing at Microsoft Research. Semantic Computing is about interacting with data in rich, safe and semantically meaningful ways, to create the path from data to information, knowledge and intelligence. Her latest project working in partnership with universities and developers includes Try F#. <http://research.microsoft.com/~evelynev/>

##### *Christophe Poulain, Senior Software Developer*

Christophe is a Senior Research SDE in the Connections team of Microsoft Research. One of his current interests is the development and the application of software to solve problems that involve massive amounts of data and computation. His recent project includes functional programming in the browser with Try F#. <http://research.microsoft.com/en-us/people/cpoulain/>

##### *Don Syme, Principal Researcher*

Don Syme is a Principal Researcher at Microsoft Research, Cambridge. His main current responsibility is the design and implementation of F# (blog), though he's also worked on C# and, indirectly, Visual Basic and other .NET languages. His area is programming language design and implementation, with emphasis on making functional languages that are simpler to use, interoperate well with other languages and which incorporate aspects of object-oriented, asynchronous and parallel programming.

<http://research.microsoft.com/en-us/people/dsyme/>

##### *Kenji Takeda, Solutions Architect and Technology Manager*

Dr. Kenji Takeda is Solutions Architect and Technical Manager for the Microsoft Research Connections EMEA team. He has extensive experience in Cloud Computing, High Performance and High Productivity Computing, Data-intensive Science, Scientific Workflows, Scholarly Communication, Engineering and Educational Outreach. <http://research.microsoft.com/en-us/people/kenjitak/>

To register for this webinar, please visit: <http://www.computer.org/portal/web/webinars/Register-for-a-Webinar>

## STEM Nights at NYSCI

### Call for Volunteers: STEM NIGHTS AT NYSCI

STEM Nights are events that bring together STEM professionals with Explainers to connect, network, learn and engage in the full-range of careers in the science and technology fields. They are organized around a theme—a specific STEM field, company, or important topic. NYSCI currently has plans to hold STEM nights featuring engineering, technology, and Women in STEM. Depending on the availability and level of engagement of volunteers, NYSCI staff will help establish and facilitate event programming and activities. The program may include a tour of NYSCI, presentations or discussions led by volunteers and opportunities to interact with all participants. **Approximately 30-50 Explainers will be in attendance.**

**Volunteer Commitment:** 5-15 Volunteers, 1-hour for planning or orientation, 3-4 hours for the event

**When:** April 26, 2013 from 5pm-8pm

**Where:** New York Hall of Science: 47-01 111th Street, Queens, NY

**What:** Share your career journeys and talk about a one your favorite projects! Participants will learn more about who you are and what you do through a 5 minute introduction and then get a chance to have more one-on-one discussions. Engineers will set up stations at tables to showcase some of their work and participants will walk around as in a fair.

**Audience:** High school and college students.

#### If interested in volunteering, please contact:

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