



Almanack



[IEEE Philadelphia Section Website](#)

Membership in the Following Counties

Pennsylvania: Bucks, Chester, Delaware, Montgomery and Philadelphia.

New Jersey: Burlington, Camden and Gloucester

(Entries are Hyperlinked – point+ctrl+click)

November						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
						*Veterans Day *UAV Operator Training Endicott, NY
12	13	14	15	16	17	18
		*ADCOM *11th Intern. Conference Villanova U.	*11th Intern. Conference Villanova University	*11th Intern. Conference Villanova University	*11th Intern. Conference Villanova University	*UAV Operator Training Endicott, NY
19	20	21	22	23	24	25
		*IEEE Section Night		Thanksgiving		
26	27	28	29	30-Nov	1-Dec	2-Dec
				*2017 IEEE WIE Forum East Baltimore, MD	*2017 IEEE WIE Forum East Baltimore, MD	*2017 IEEE WIE Forum East Baltimore, MD



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ALMANACK

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IEEE Section Night

Meetings are conducted on the 3rd Tuesday of the Month, eight times per year, January through May and September through November.

ADMINISTRATIVE COMMITTEE (ADCOM)

Meetings are conducted on the 2nd Tuesday of the Month: January through June and September through December. Members are welcome to attend the meeting only. Reserve a seat by calling the office the Friday before the meeting. Phone: 484-270-5136.

IEEE SECTION NIGHT

Philadelphia Section

Meeting

Tuesday, November 21, 2017

Sponsored by

Note: In the event of bad weather please call the Sheraton after 1:00 PM the day of the meeting:

215-387-8000

Ask the front desk if the meeting has been canceled.

When:

Tuesday, November 21, 2017

Dinner at 6:00 PM,

1st Speaker at 7:00 PM.

2nd Speaker at 8:00 PM.

Where:

Sheraton University City,

3549 Chestnut St,

Philadelphia, PA 19104

(215) 387-8000

- Meal Cost: \$25 (students \$15). The meal cost is \$40 but it is subsidized by the IEEE Philadelphia Section.
- You can attend the talks only for free (with no dinner), however, we ask that you register.
- Parking is paid by the IEEE Philadelphia Section, make sure you have your parking ticket stamped at the meeting.

[Registration Link](#)

PROFESSIONAL DEVELOPMENT HOURS (PDH)

PDH Certificates are free for IEEE members. For non-members, the cost is \$9 per certificate. You can pay during registration or by check at the meeting.



First Talk

Patent Basics

Michael A. Fisher, Ph.D., J.D.

Patent Attorney at Dechert LLP

Abstract: You've come up with a new invention and want to protect it. You'll need to know not only the process for getting a patent, but also how to figure out whether your idea is patentable or even worth patenting. This talk will provide an overview of patent issues for engineers, including what rights a patent gives (and does not give) you, why you might want a patent, what kinds of inventions can be patented, how to get a patent, and how to figure out whether your invention is valuable enough to justify the expense of patenting it. In addition, he has experience handling trademark and copyright disputes.

Biography: Michael A. Fisher, Ph.D., J.D., is a



patent attorney at Dechert LLP. He draws on his electrical engineering background to represent clients in complex patent and trade secret lawsuits involving medical de-

vices, electronics, computer hardware and software, semiconductors, and other technologies. He also devotes part of his practice to patent and software licensing, IP enforcement strategy, and analyzing the validity, scope, and enforceability of patents.

Prior to his legal career, Dr. Fisher worked as a research and development engineer in the areas of solid state electronics, equipment-control software, and micromechanical devices. He is the named inventor on two patents (U.S. Pat. Nos. 5,929,440 and 5,956,003) relating to an infrared imager and a flat-panel computer display.

Second Talk

To be Supplied as an Addendum to this document.



MESSAGE FROM THE CHAIR

Peter Silverberg, IEEE-LSM, P.E.



Let us talk about short time volunteering. Usually the thought of volunteering, spells a lot of time and effort, but the IEEE has also easier tasks for those of you who can't spare a lot of time.

An easy one is to attend a section or chapter meeting. For about an hour you get to stretch your horizons by picking one that is far from your specialty. While you are going, bring a buddy — member or not. We get to fill out a form called L31 that is a way to report activity to headquarters. Attendance numbers make a difference.

Giving a talk at chapter or section is volunteering. If you are going to a conference, your paper can get more exposure locally. It does not matter if you use it to rehearse or repeat.

Another sort is the one-day activity. The section supports Science Fairs and Future City and MATE (Marine Advanced Technology Education). These need judges of the projects coming from the section. More than the few we have been sending are quite welcome. Here are data for reference. We will give you a shout out in the Almanack if we are informed of your activity. (Just tell Mike Mayor).

- Future City: January 2108, location TBA, Jennifer Wetzal, pennsylvania_philadelphia@futurecity.org

Delaware Valley Science Fairs: April 4, 2018; Philadelphia Expo Center at Oaks PA

Henry Disston, disstonh@drexel.edu

Montgomery County Science Research Competition, March 7, 2018, Ursinus College, Phil Rittenhouse,

phillip.rittenhouse@germantownacademy.org

MATE: May 2108, At Villanova University. Velda Morris, vmrobot@gmail.com

We might be missing your volunteering because engineers tend to be modest. If you are doing something that fits, we want to give credit. Please tell Mike or me about it. The section is big and our networks are not really large.

There will be short projects coming up that will need volunteers. We will reach out for help. All we ask for is a little bit of your time.

Another topic: Tim Kurzweg came to the October ADCOM meeting. Tim is Past Director of Region 2 and also President of Eta Kappa Nu – IEEE. He presented a short talk on EKN. If you are not acquainted here is a short summary. EKN is an honor society of electrical engineers. You get asked to join while an undergraduate. You stay in for life. (Put this in your IEEE profile if it fits.) EKN was founded in 1904 and merged with IEEE in 2010. There are four chapters in the section boundaries. Add now seven student branches and a graduate student branch and we learn that the section is host to a lot of young people.



History item: The chair's gavel is old. We got it from a distinguished person. The inscription is Vincent Salmon, National Chairman 1954-1955, Professional Group on Audio, The Institute of Radio Engineers. Found out that his daughter is Margaret Goodman who was our chair in 2012. I got some information from IEEE. These notes are from the IRE Directory of 1963.

SALMON, VINCENT (SM'46 – F'62), Manager of Sonics Department, Physics Division, Stanford Research Institute, Menlo Park, Calif. Born: January 21, 1912, Kingston, Jamaica, B.W.I. B.A. 1934, M.A. 1936, Temple University;

PH.D., 1938 Massachusetts Institute of technology; Professional Engineer in the States of Illinois and California. Committees: Editorial Reviewer 1958-61; Electroacoustic, consultant, 1957-62. Professional Groups: Audio Administrative Committee, 1950-52, chairman 1954-55; First National Ultrasonic Symposium, chairman, 1959; Ultrasonic Engineering Administrative Committee, chairman, 1961-62. Awards: Biennial Award, Acoustical Society of America, 1946; Fellow, Acoustical Society of America; Fellow Audio Engineering Society.



How to Influence Middle School Students in STEM

Submitted by Kate McDevitt, IEEE WIE Chair - Philadelphia Section

Techgirlz is an amazing organization and truly focus on the goals in education for girls. This organization stresses the importance of young girls getting exposed to and to learn about science, technology, engineering and mathematics (STEM).

This summer I was lucky enough to volunteer with the Techgirlz organization. Techgirlz held a week long camp at Villanova University campus (July 10 – July 14). It was an all-girl participation. They build robots that could go forward, turn left, turn right and stop within two inches of an object or obstruction in the path of the robot. This was done through a code they wrote on their computers.

First, they were taught the coding in a training class. Several courses were part of the curriculum and by Thursday, the fourth day of the camp, they had finished the coding and design of their robots. That day they practiced presentation skills in describing what went into their unique robot concept. A race was held to make sure all the robots were in working order.

On Friday, they presented their finish product, explained their process for the concept and design of their robots.

A lot of hard work and dedication went into this program by Donna Cusimano, a Techgirlz leader. She arranged and set up the programs for this to be a very successful camp. Here are a few pictures of the event.





IEEE WIE Philadelphia hosted two Tours at QVC in West Chester

Saturday, October 14, 2017

Submitted by Kate McDevitt, IEEE WIE Chair - Philadelphia Section

QVC Tour was full of nostalgic surprises and the studio has grown in leaps and many rooms have been added. The equipment is the latest electronics available. Impressive set ups and digital cameras on wheelie were plentiful and lighting hung from the ceiling as dense as a rain forest. To say QVC has grown into a major home network is understated. The building that holds the expansive studios once belong to Norcross Cards. Commodore Computers spent some time in this building.

Remember Commodore 64? The building has an amazing element of living art with its glass wall of reflection of green trees of beauty across the front.

The two tours were at 10am for one hour and 10:30am for an hour and half. Afterwards a small group of us meet for lunch at the new West Chester Pica's of Upper Darby fame.





IEEE WIE Speaker Series

Presents: Is the Future Female?

With **Joanne Vitali**

Submitted by Kate McDevitt, IEEE WIE Chair - Philadelphia Section

Joanne Vitali was our distinguished speaker for the Monday night IEEE WIE Speaker Series held in Media.

Joanne is the founder of Vitali Workshops & Coaching. Joanne likes to help women succeed by learning to be powerful leaders through solid self-confidence. Her mission is to help more women to obtain and hold positions of power which she believes will change the world.

We had a nice turnout and heard a new angle about women in STEM careers. Joanne talked about a 2017 survey of one hundred women in STEM professions across the United States. Many of the questions asked of these women pertain to what we ask ourselves every day in work situa-

tions. Are we happy in our jobs? Do we feel supported? Did we negotiate for our salaries? These questions were answered which led to more questions by our audience. We gave feedback with our own opinions and experience. It was educational, informative and a conversation starter that was experienced and enjoyed by all who attended.

Thank you, Upper Deck, at 415 E Baltimore Avenue, Media, PA for letting us have our meeting upstairs and your wonderful selections of Best Ever Crepes, a good soup selection and pizza.





IEEE Region 2, Young Professionals and WIE RISE

Doreen McGettigan

Author / Speaker / Soft Skills Presenter

On Sunday October 8, 2017, 75 people attended the Region 2, YP and WIE RISE event, held 52 floors above the city of Philadelphia at the prestigious Pyramid Club.

Keynote speaker Peter Eckstein, former IEEE – USA President inspired attendees with a talk on Leadership with a focus.

Special guest Dr. Pasik-Duncan, International WIE Chairwomen said, “This is a wonderful event. I’m planning to bring the idea to Nita Patel (past WIE Chairwoman) as a model to be replicated in other regions.”

There were ten-presentations including one on mastering LinkedIn and an Elevator Pitch Competition. Hussain Mahdi, IEEE Region 10 (Asia-

Pacific) Humanitarian Technology Activities committee and IEEE Region 10 Young Professionals South-East Asia Coordinator spoke on the importance of Humanitarian Service Projects and how important being involved can be for you and your career.

Of the 75 attendees, 15 were IEEE student members, 7 of those being WIE members as well. 36 students were non-IEEE members. 7 were YP/WIE. The other 17 attendees were undetermined based off of the statistics I received.

The day- long event was sponsored by IEEE Women in Engineering Region 2, IEEE, IEEE Young Professionals, IEEE R2, IEEE Philadelphia Section, Rowan University College of Engineering, Microtrac, Philadelphia Area Great Careers Group and Whova.

[View the Announcement](#)

[View Event Photographs](#)



Maker Fair 2017

New York Hall of Science

By John Iannuzzi

On September 23, 2017, the New York Hall of Science in Flushing NY, hosted World Maker Faire 2017. The Philadelphia Section of the IEEE sponsored a trip to the event for the fourth year in a row. The weather of the day was perfect making it pleasant for exhibits outside as well as inside the New York Hall of Science. Our group consisted of 28 adults and students. It is the sections 4th annual sponsorship of the trip. Maker Faire offers a chance for everyone to show off and demonstrate home projects, science endeavors and new products. DIY (do-it -yourselfer) enthusiasts from all over, make the yearly pilgrimage to exhibit their projects and share ideas in an open, family friendly environment.

The New York Hall of Science provided the perfect atmosphere for the event. The grounds outside of the museum provided room for larger displays, tents and demonstrations. Inside the museum (Maker Faire ticket includes admission) there are many additional projects interwoven between exhibits. This year, many do-it-yourselfers integrated old technology with new technology to perform specific tasks. For example, music synthesizers, microprocessors and lasers were put together for visually stunning presentations, while others chose to preserve family memories by integrating movie projectors with digital cameras, to transfer old home movies to a digital video format. Other projects were product-driven.

This year, laser and wood engraving tools were built on top of 3D printer concepts and expanding their utility by creating multiple purpose tools on that platform. Basically, using multiple purpose action heads (print, machine, engrave, etc) along with XY and Z motion. Activities for kids included making high-tech paper airplanes, building water rockets and learning how to solder. Of course, what would Maker Faire be without robotics, drone races, Crafters with wearable technology and not to mention the great food!

Some of the attendance stats of this year...

- Over 90,000 attendees visited the event.
- U.S. attendees came from 44 states;
- Others represented 45 countries from around the world
- 45% of attendees were first-time visitors to the Faire
- 750+ Maker entries were represented including presentations, performances, and attractions
- 45% of the entries included hands-on activities for attendees
- 191 Makers were first-time participants
- International Makers were represented in 46 exhibits around the Faire
- 79 Young Makers came to the Faire to share their projects
- Five stages with over 100 experts, panelists, and leaders of the Maker Movement engaged with attendees across a wide variety of topics.



Making is fun, satisfying and educational. Events like this provide an outlet to show, share and exchange ideas in an open, friendly environment filled with folks and families with common interests.

Maker Faire is presented by Maker Media who publishes Make Magazine.

Additional information about Maker Faire can be found at:

<http://makerfaire.com>

Slide Show and Video of World Maker Faire 2017 are available at the following links.

Slideshow and Video







2017 IEEE WIE FORUM USA EAST

Call for Papers & Participation

November 30 – December 2, 2017 Baltimore, MD

Presentation & Paper Topics

Our active community of female and male engineers are involved in career building,

Join Now

- Mentoring the next generation of female leaders
- Strategies for increasing equity in power and decision making
- Women as leaders in education, industry, and government
- Development: communication skills in written and spoken word, effective dialog
- Cross-cultural aspects of leadership
- What it takes to be a great leader - qualities that all successful leaders share
- Shaping the future by female leaders
- Training vs inherent skills: can leadership be learned?
- Work-Life balance: family systems traditions and changes
- Leadership development for women: overcoming stereotypes
- The design, implementation, and evaluation of leadership from a structural perspective
- Helping girls and young women become leaders - motivating to empower, empowering to motivate
- Exploring the attrition gap - why do women leave the engineering field and what can be done to prevent it

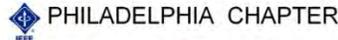
We call your attention to the Career Fair on 1 December from 2-4:30

The Career Fair is free for job seekers.

(see Web Page, link below).

[**View Announcement**](#)

[**View Web Page**](#)



IEEE PHILADELPHIA CHAPTER OF CIRCUIT AND SYSTEMS SOCIETY PRESENTS

SIGNAL PROCESSING ALGORITHMS INTO FIXED-POINT FPGA HARDWARE

BY

DR. DENNIS SILAGE

PROFESSOR

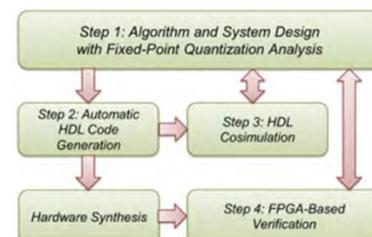
ELECTRICAL AND COMPUTER ENGINEERING TEMPLE UNIVERSITY

**Nov. 15, 2017: Networking 6 PM; Lecture: 7-8 PM; Room E301, 3rd Floor,
Engineering Building, Temple University, 1947 N. 12th St., Philadelphia, PA 19122.**

In collaboration with System Chip Design Lab: www.temple.edu/scdl

Abstract: Digital signal, image and data processing executing sequentially on a conventional device can be enhanced by the unique vector and parallel processing capabilities of the field programmable gate array (FPGA). Conventional processors are generally scalar and sequential, albeit with pipeline architectures, floating point operations and higher speed logic but with more power consumption than an FPGA. The FPGA can execute in parallel as a vector operation but optimally with fixed point operations which require a quantization analysis of the processing algorithm to be implemented. The MathWorks Fixed Point Designer™ facilitates this analysis and the FPGA can use registers of any size throughout the various stages of the processing algorithm.

The Fixed-Point Designer provides data types and tools for developing fixed-point algorithms and automatically proposes fixed-point data types and attributes such as word length, the fixed-point rounding mode and the action to be taken on register overflow. Bit-true simulations are then used to observe the impact of the limited range and precision. The Fixed-Point Designer can also convert floating-point algorithms to fixed point by specifying fixed-point data types that meet the numerical accuracy requirements and hardware constraints.





Biography: Dr. Dennis Silage received the PhD in Electrical Engineering and Biomedical Engineering from the University of Pennsylvania in 1975. Prior to joining the Faculty at Temple University in 1984, he had a biomedical research career, with research faculty and adjunct faculty appointments at the University of Pennsylvania, School of Medicine, the Medical College of Pennsylvania and the Mount Sinai Medical School. Dr. Silage has been a Professor of Electrical and Computer Engineering at Temple University since 1984, teaches digital data communication, digital signal and image processing and embedded processing systems. His research

is in these areas with high performance, real-time computational architectures using field programmable gate arrays. He has recently supervised four PhD candidates to completion and twenty-two MSE students. Dr. Silage is past chair of the Electrical and Computer Engineering Division of the American Society for Engineering Education (ASEE), recipient of the 2007 ASEE National Outstanding Teaching Award, the 2011 ASEE ECE Division Meritorious Service Award, the Lindbach Distinguished Teaching Award in 2012. He is a Life Senior Member of the Institute of Electrical and Electronics.

Attendance is free, but we ask that you register: <https://meetings.vtools.ieee.org/m/47252>



IEEE Research – Product Design Engineers

Would Appreciate Help Identifying Product Design Engineers in the Philadelphia Section working on Telecommunications Products (PSec-PS-1)

My director Renny Guida recommended my reaching out to the chairs of nearby sections regarding research which IEEE is conducting into the content and workflow needs of Product Design Engineers working on telecommunications products.

We are seeking help from such engineers in developing Search Use Cases, representing various phases of the product development life cycle.

- Researching new and innovative technologies
- Identifying potential solutions to engineering challenges
- Ensuring compliance with industry standards and best practices
- Monitoring industry developments and developing competitive insights

If interested please contact:

Stephen Wilkowski, Industry Specialist – Telecommunications

s.wilkowski@ieee.org | +1 732 562 2662

These Search Use Cases will run across the types of content that these engineers may leverage in their daily workflows:

- Research Journal Articles
- Conference Papers
- Manufacturers Parts Content and White Papers
- Standards
- Industry News/Blogs/Forums
- People/Expert information
- eLearning
- eBooks

We would appreciate your help to identify some Product Design Engineers who we can meet with. We will keep the time commitment for this to a minimum. Your help will contribute to helping IEEE to better serve Product Design Engineers.



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DREXEL UNIVERSITY

Electrical and Computer Engineering

College of Engineering

Drexel by
ECE the
Numbers

49th Ranking of the
Computer
Engineering
graduate program
in U.S. News and
World Report

Major research areas include:

- Biomedical applications of ECE
- Computer architecture
- Machine learning
- Electric power and supply
- Telecommunications
- Electrophysics

\$3.8M

Research
expenditures in
fiscal year 2016

Tenure and
tenure-track
faculty **37**

Undergraduates
835

83
PhD students

Major sponsors of ECE research:

- Lockheed Martin Advanced Technology Laboratories
- National Institutes of Health
- National Science Foundation
- Office of Naval Research
- U.S. Army

219
MS students

2 Members of
the National
Academy of
Engineering

IEEE
Fellows **8**



PHILADELPHIA SECTION

NOTES

IEEE PHILADELPHIA SECTION OFFICERS

Chair: Peter M. Silverberg, P.E.: psilverberg3@comcast.net

Vice Chair: Mark Soffa: msoffa@kns.com

Treasurer: Robert Johnston: rlj1620@gmail.com

Secretary: Chris Vaile: cvaile@burns-group.com

Past Chair: Philip Gonski, P.E.: philip.m.gonski@ieee.org

ADMINISTRATIVE COMMITTEE (ADCOM)

ADCOM meets the second Tuesday of the month at the Sheraton University City, 3549 Chestnut St, Philadelphia, PA 19104. Members are welcome to attend. If you want to attend, reserve a seat by calling the IEEE Section Office by the Friday before the meeting.

DIECTORIES

[Link to ADCOM Members](#)

[Link to SECTION Chapters](#)

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ADVERTISEMENTS – Contact: michael.mayor.pe@ieee.org.

The IEEE Philadelphia Section encourages placement of technical, professional, promotional and commercial advertisements. The Almanack is published ten times a year and is read by approximately 4,000 members in over 150 key industries.

The following rates are designed for the occasional advertisers. A more comprehensive set of benefits is offered in the Sponsorship Program (next page).

Almanack - One Month Full Page: \$200.-

Website – One Month Full Page: \$200.-

Email Blasts – One Time Full Page: \$200.-



PHILADELPHIA SECTION SPONSORSHIP PROGRAM

Contact: sec.philadelphia@ieee.org

	Platinum	Gold	Silver	Bronze
Cost per Year	\$3,500	\$2,500	\$2,000	\$1,000
Awards Banquet¹	<ul style="list-style-type: none"> • Full Table-10 tickets • Full page Awards Brochure • 6-ft Exhibit Table 	<ul style="list-style-type: none"> • 6 tickets • Half page Awards Brochure • 6-ft Exhibit Table 	<ul style="list-style-type: none"> • 4 tickets • Quarter page Awards Brochure • 6-ft Exhibit Table 	<ul style="list-style-type: none"> • 2 tickets • Quarter page Awards Brochure
IEEE Almanack²	12 Months Full Page	9 Months Full Page	6 Months Full Page	3 Months Full Page
IEEE Website²	12 Months Full Page	9 Months Full Page	6 Months Full Page	3 Months Full Page
IEEE Email Blast²	12 Months 4 Times / month Full Page	9 Months 4 Times / month Full Page	6 Months 2 Times / month Full Page	3 Months 1 Time / month Full Page

NOTES

¹ **The Awards Banquet is held annually at the prestigious Union League of Philadelphia.** The Awards Banquet is a major social occasion, recognizing those honored by the Institute & the Section for their contributions & those honored by organizations with mutual interests of IEEE.

² **Advertisement(s) are prepared by the Sponsor and can contain links to the Sponsor's website and/or specific events.** Advertisement(s) can be different one for each month of benefit or the same for one or more months.



We Salute all Veterans on this Veterans Day

World War I – known at the time as “The Great War” - officially ended when the Treaty of Versailles was signed on June 28, 1919, in the Palace of Versailles outside the town of Versailles, France. However, fighting ceased seven months earlier when an armistice, or temporary cessation of hostilities, between the Allied nations and Germany went into effect on the eleventh hour of the eleventh day of the eleventh month. For that reason, November 11, 1918, is generally regarded as the end of “the war to end all wars.”

In November 1919, President Wilson proclaimed November 11 as the first commemoration of Armistice Day with the following words: "To us in America, the reflections of Armistice Day will be filled with solemn pride in the heroism of those who died in the country's service and with gratitude for the victory, both because of the thing from which it has freed us and because of the opportunity it has given America to show her sympathy with peace and justice in the councils of the nations..."

The original concept for the celebration was for a day observed with parades and public meetings and a brief suspension of business beginning at 11:00 a.m.

The United States Congress officially recognized the end of World War I when it passed a concurrent resolution on June 4, 1926, with these words:

Whereas the 11th of November 1918, marked the cessation of the most destructive, sanguinary, and far reaching war in human annals and

the resumption by the people of the United States of peaceful relations with other nations, which we hope may never again be severed, and

Whereas it is fitting that the recurring anniversary of this date should be commemorated with thanksgiving and prayer and exercises designed to perpetuate peace through good will and mutual understanding between nations; and

Whereas the legislatures of twenty-seven of our States have already declared November 11 to be a legal holiday: Therefore be it Resolved by the Senate (the House of Representatives concurring), that the President of the United States is requested to issue a proclamation calling upon the officials to display the flag of the United States on all Government buildings on November 11 and inviting the people of the United States to observe the day in schools and churches, or other suitable places, with appropriate ceremonies of friendly relations with all other peoples.

An Act (52 Stat. 351; 5 U. S. Code, Sec. 87a) approved May 13, 1938, made the 11th of November in each year a legal holiday—a day to be dedicated to the cause of world peace and to be thereafter celebrated and known as "Armistice Day." Armistice Day was primarily a day set aside to honor veterans of World War I, but in 1954, after World War II had required the greatest mobilization of soldiers, sailors, Marines and airmen in the Nation's history; after American forces had fought aggression in Korea, the 83rd Congress, at the urging of the veteran's service organizations, amended the Act of 1938 by striking out the word "Armistice" and inserting in its place the word



"Veterans." With the approval of this legislation (Public Law 380) on June 1, 1954, November 11th became a day to honor American veterans of all wars.

Later that same year, on October 8th, President Dwight D. Eisenhower issued the first "Veterans Day Proclamation" which stated: "In order to insure proper and widespread observance of this anniversary, all veterans, all veterans' organizations, and the entire citizenry will wish to join hands in the common purpose. Toward this end, I am designating the Administrator of Veterans' Affairs as Chairman of a Veterans Day National Committee, which shall include such other persons as the Chairman may select, and which will coordinate at the national level necessary planning for the observance. I am also requesting the heads of all departments and agencies of the Executive branch of the Government to assist the National Committee in every way possible."

On that same day, President Eisenhower sent a letter to the Honorable Harvey V. Higley, Administrator of Veterans' Affairs (VA) designating him as Chairman of the Veterans Day National Committee.

In 1958, the White House advised VA's General Counsel that the 1954 designation of the VA Administrator as Chairman of the Veterans Day National Committee applied to all subsequent VA Administrators. Since March 1989 when VA was elevated to a cabinet level department, the Secretary of Veterans Affairs has served as the committee's chairman.

The Uniform Holiday Bill (Public Law 90-363 (82 Stat. 250)) was signed on June 28, 1968, and was intended to ensure three-day weekends for Federal employees by celebrating four national holidays on Mondays: Washington's Birthday, Memorial Day, Veterans Day, and Columbus Day. It was thought that these extended weekends would encourage travel, recreational and cultural activities and stimulate greater industrial and commercial production. Many states did not agree with this decision and continued to celebrate the holidays on their original dates.

The first Veterans Day under the new law was observed with much confusion on October 25, 1971. It was quite apparent that the commemoration of this day was a matter of historic and patriotic significance to a great number of our citizens, and so on September 20th, 1975, President Gerald R. Ford signed Public Law 94-97 (89 Stat. 479), which returned the annual observance of Veterans Day to its original date of November 11, beginning in 1978. This action supported the desires of the overwhelming majority of state legislatures, all major veterans service organizations and the American people.

Veterans Day continues to be observed on November 11, regardless of what day of the week on which it falls. The restoration of the observance of Veterans Day to November 11 not only preserves the historical significance of the date, but helps focus attention on the important purpose of Veterans Day: A celebration to honor America's veterans for their patriotism, love of country, and willingness to serve and sacrifice for the common good.



HISTORY OF THANKSGIVING DAY

In 1621, the Plymouth colonists and Wampanoag Indians shared an autumn harvest feast that is acknowledged today as one of the first Thanksgiving celebrations in the colonies. For more than two centuries, days of thanksgiving were celebrated by individual colonies and states. It wasn't until 1863, in the midst of the Civil War, that President Abraham Lincoln proclaimed a national Thanksgiving Day to be held each November.

In September 1620, a small ship called the Mayflower left Plymouth, England, carrying 102 passengers—an assortment of religious separatists seeking a new home where they could freely practice their faith and other individuals lured by the promise of prosperity and land ownership in the New World. After a treacherous and uncomfortable crossing that lasted 66 days, they dropped anchor near the tip of Cape Cod, far north of their intended destination at the mouth of the Hudson River. One month later, the Mayflower crossed [Massachusetts](#) Bay, where the Pilgrims, as they are now commonly known, began the work of establishing a village at Plymouth.

Throughout that first brutal winter, most of the colonists remained on board the ship, where they suffered from exposure, scurvy and outbreaks of contagious disease. Only half of the Mayflower's original passengers and crew lived to see their first New England spring. In March, the remaining settlers moved ashore, where they received an astonishing visit from an Abenaki Indian who greeted them in English. Several days later, he returned with another Native American, Squanto, a member of the Pawtuxet tribe who had been kidnapped by an English sea captain and sold

into slavery before escaping to London and returning to his homeland on an exploratory expedition. Squanto taught the Pilgrims, weakened by malnutrition and illness, how to cultivate corn, extract sap from maple trees, catch fish in the rivers and avoid poisonous plants. He also helped the settlers forge an alliance with the Wampanoag, a local tribe, which would endure for more than 50 years and tragically remains one of the sole examples of harmony between European colonists and Native Americans.

In November 1621, after the Pilgrims' first corn harvest proved successful, Governor [William Bradford](#) organized a celebratory feast and invited a group of the fledgling colony's Native American allies, including the Wampanoag chief Massasoit. Now remembered as America's "first Thanksgiving"—although the Pilgrims themselves may not have used the term at the time—the festival lasted for three days. While no record exists of the historic banquet's exact menu, the Pilgrim chronicler Edward Winslow wrote in his journal that Governor Bradford sent four men on a "fowling" mission in preparation for the event, and that the Wampanoag guests arrived bearing five deer. Historians have suggested that many of the dishes were likely prepared using traditional Native American spices and cooking methods. Because the Pilgrims had no oven and the Mayflower's sugar supply had dwindled by the fall of 1621, the meal did not feature pies, cakes or other desserts, which have become a hallmark of contemporary celebrations. Check out the [Thanksgiving](#) by the Numbers infographic for more facts about how the first Thanksgiving compares to modern holiday traditions.



Pilgrims held their second Thanksgiving celebration in 1623 to mark the end of a long drought that had threatened the year's harvest and prompted Governor Bradford to call for a religious fast. Days of fasting and thanksgiving on an annual or occasional basis became common practice in other New England settlements as well. During the [American Revolution](#), the Continental Congress designated one or more days of thanksgiving a year, and in 1789 [George Washington](#) issued the first Thanksgiving proclamation by the national government of the United States; in it, he called upon Americans to express their gratitude for the happy conclusion to the country's war of independence and the successful ratification of the U.S. Constitution. His successors [John Adams](#) and [James Madison](#) also designated days of thanks during their presidencies.

In 1817, [New York](#) became the first of several states to officially adopt an annual Thanksgiving holiday; each celebrated it on a different day, however, and the American South remained largely unfamiliar with the tradition. In 1827, the noted magazine editor and prolific writer Sarah Josepha Hale—author, among countless other things, of the nursery rhyme “Mary Had a Little Lamb”—launched a campaign to establish Thanksgiving as a national holiday. For 36 years, she published numerous editorials and sent scores of letters to governors, senators, presidents and other politicians. [Abraham Lincoln](#) finally heeded her request in 1863, at the height of the Civil War, in a proclamation entreating all Americans to ask God to “commend to his tender care all those who have become widows, orphans, mourners or sufferers in the lamentable civil strife” and to “heal the wounds of the nation.” He scheduled Thanksgiving for the final Thursday in November, and it

was celebrated on that day every year until 1939, when [Franklin D. Roosevelt](#) moved the holiday up a week in an attempt to spur retail sales during the Great Depression. Roosevelt's plan, known derisively as Franksgiving, was met with passionate opposition, and in 1941 the president reluctantly signed a bill making Thanksgiving the fourth Thursday in November.

In many American households, the Thanksgiving celebration has lost much of its original religious significance; instead, it now centers on cooking and sharing a bountiful meal with family and friends. Turkey, a Thanksgiving staple so ubiquitous it has become all but synonymous with the holiday, may or may not have been on offer when the Pilgrims hosted the inaugural feast in 1621. Today, however, nearly 90 percent of Americans eat the bird—whether roasted, baked or deep-fried—on Thanksgiving, according to the National Turkey Federation. Other traditional foods include stuffing, mashed potatoes, cranberry sauce and pumpkin pie. Volunteering is a common Thanksgiving Day activity, and communities often hold food drives and host free dinners for the less fortunate.

Parades have also become an integral part of the holiday in cities and towns across the United States. Presented by Macy's department store since 1924, New York City's Thanksgiving Day parade is the largest and most famous, attracting some 2 to 3 million spectators along its 2.5-mile route and drawing an enormous television audience. It typically features marching bands, performers, elaborate floats conveying various celebrities and giant balloons shaped like cartoon characters.

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The Department of Computer and Information Sciences (CIS) invites applications for multiple non-tenure-track, open rank, full-time faculty positions in the Department of Computer and Information Sciences at Temple University. We are interested in talented and dedicated educators and scholars who can contribute to our undergraduate and graduate academic programs. CIS has a growing and vibrant student population, with the number of undergraduate majors close to 1,000 and the number of graduate students over 100. Our flagship undergraduate majors include B.S. in Computer Science, B.S. in Information Science and Technology, and a joint B.S. in Math and Computer Science. CIS has several new programs including a B.S. in Data Science, a B.S. in Computer Science and Physics, a certificate in Computer Security and Digital Forensics, a certificate in Data Science, and a certificate in programming.

Our needs range from general education and introductory programming courses to core computer and information science courses to specialized upper level and graduate courses. We are continually revising and improving our academic programs and are particularly interested in hiring faculty that will help us further extend the quality, depth, and breadth of our curriculum. This position can be attractive for several types of candidates. Among them: fresh Ph.D. degree holders in computer science and related disciplines that are particularly interested in education, or want to sharpen their teaching skills, while having an opportunity collaborate with the world-class researchers at CIS, Temple, and the regional institutions and industry. Non-doctoral degree holders with industrial experience and passion and talent for teaching will find a welcoming environment at Temple to grow and impact the lives of our diverse student population. We are particularly interested in candidates with extensive industrial experience in the full software development life cycle, development methodologies and quality assurance for our senior capstone courses.

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Applications should include a curriculum vitae and a statement of recent achievements and teaching goals. Candidates should also have three reference letters sent directly. Please submit applications online at <https://academicjobsonline.org/ajo/jobs/9316>. Review of candidates will begin immediately and will continue until the positions are filled. For further information check <https://cis.temple.edu>. Temple University is an equal opportunity, equal access, affirmative action employer.

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- Cross-cultural aspects of leadership
- What it takes to be a great leader - qualities that all successful leaders share
- Shaping the future by female leaders
- Training vs inherent skills: can leadership be learned?
- Work-Life balance: family systems traditions and changes
- Leadership development for women: overcoming stereotypes
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- Helping girls and young women become leaders - motivating to empower, empowering to motivate
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Presentations with paper submission: Title and topic abstract suitable for program (up to 150 words), and publication-ready paper (up to 8 pages)

Deadline for all submissions: 24 July 2017

Email: R1R2WIEForum@gmail.com with paper and presentation abstracts

For more information, visit:

<http://sites.ieee.org/wie-forum-usa-east/calls-for-participation/>



11th International Conference on Ubiquitous Computing and Ambient Intelligence

UCAmI 2017

<http://mamilab.esi.uclm.es/ucami2017>

Villanova University, Philadelphia, Pennsylvania
November 7 to 10th, 2017

Conference Background & Goals

The Ubiquitous Computing (UC) idea envisioned by Weiser in 1991, has recently evolved to a more general paradigm known as Ambient Intelligence (AmI) that represents a new generation of user-centred computing environments and systems. These solutions aim to find new ways to obtain a better integration of the information technology in everyday life devices and activities.

AmI environments are integrated by several autonomous computational devices of modern life ranging from consumer electronics to mobile phones. Ideally, people in an AmI environment will not notice these devices, but they will benefit from the services these solutions provide them. Such devices are aware of the people present in those environments by reacting to their gestures, actions and context. Recently the interest in AmI environments has grown considerably due to new challenges posed by society, demanding highly innovative services, such as vehicular ad hoc networks (VANET), Ambient Assisted Living (AAL), e-Health, Internet of Things and Home Automation among others. The main focus of this edition of the UCAmI Conference will be "Ambient Intelligence: Sensing, Processing and Using Environmental Information".

Publication

All accepted conference papers will be included in **Springer Lecture Notes in Computer Science (LNCS)**. Selected papers will be published in the following journals:

- Sensors Journal (IF(2015) = 2.033)
- Frontiers in Human Neuroscience (IF(2015) = 3.634)
- Journal of Ambient Intelligence & Humanized Computing (IF(2015) = 0.835)
- Computer and Electrical Engineering (IF(2015) = 1.726)

(More journals to be announced shortly on <http://mamilab.esi.uclm.es/ucami2017>)

Important Dates

Paper submission: ~~MAY 4ST, 2017~~ **MAY 15th, 2017 (extended deadline)**
Notification of acceptance: **June 15th, 2017**
Camera-ready version: **July 10th, 2017**
Conference dates: **November 7 to 10th, 2017**

TRACKS

HEALTH (AmIHEALTH) (Topics)

- Health, wellness and disease monitoring
- Communication, cloud, and network architectures for Health
- Education and e-Learning systems in Health domains
- Knowledge management for health: context, behavior and user modeling
- Data Analytics for Health environments
- Health ecosystems: frameworks, models and methodologies
- Interaction, social, and user experience within Health environments
- Mobile and ubiquitous Health
- Smart technologies and algorithms for Health

AAL (IWAAL) (Topics)

- Monitoring of chronic and non-chronic diseases in AAL
- Solutions for active ageing, social integration and self-care
- Entertainment and promotion of healthy life in AAL
- Stress, burden and quality of life in carers of AAL environments
- People learning and education in AAL environments
- Security and privacy in AAL
- Behaviour analysis in AAL environments
- Context-Awareness in Assistive environments
- Experiences and study cases in AAL
- Wearables technologies and sensor networks. Smart homes for AAL
- Middleware architectures for AAL
- Sensing, Data management and Big data in AAL
- Standards and interoperability

AD-HOC SENSOR NETWORKS (Topics)

- Applications of hybrid wireless ad hoc networks

HUMAN-COMPUTER INTERACTION (Topics)

- Natural User Interfaces
- Human-centric interfaces for AmI environments
- Multimodal interfaces
- Use of context and location information in user interfaces
- Novel input devices
- Robot-human interaction
- Human-ambient interaction
- Mobile interfaces
- Affective interfaces (recognition and enactment of emotions)
- User modeling
- Personalization and adaptation of user interfaces
- Ubiquitous and ambient displays
- User experience in ambient computing
- Interaction with smart objects and tangible interfaces
- Brain computer interaction
- Evaluation of interfaces in ambient and ubiquitous environments

IoT & SMART CITIES (Topics)

- IoT applications and services. Research and Innovation
- How IoT technology will affect business and product development
- Current and future trends in IoT
- Distributed mobile applications based on IoT
- Making money with the Internet of Things. New IoT Business Models
- Security, privacy and trust in IoT
- IoT Interoperability and Integration
- IoT in the Transport system. The new VANET
- Performance evaluation metrics IoT
- Designing ultra-low power IoT nodes

- Self-organizing protocols for heterogeneous ad hoc networks
- Device-2-Device Communications (D2D);
- Cooperation incentive models for Ad-hoc Networks
- Vehicle-to-X communications (V2X)
- Protocols for Ad-Hoc networks
- Innovative real-world sensor network deployments and applications
- Topology control and routing protocols in sensor network deployments
- Novel communication paradigms for wireless sensor networks
- Mobility management in sensor applications and deployments
- Location techniques, routing, medium access control for sensor networks
- Energy efficiency, energy efficient protocols for sensor networks

SUSTAINABILITY (Topics)

- Environmental health and climate monitoring
- Sustainable and smart cities
- Information and communications technologies for development (ICT4D)
- Computational Energy Consumption
- Sustainability and Assistive Computing
- Ambient Intelligence for Health and Sustainability
- Mobile Computing for Sustainability

- Design and Deployment of the Infrastructure for IoT-enabled systems and applications
- Brillo. Google's IoT O.S. Experiences and developments
- Internet of Things and the Web of Things applied to smart cities
- Web of Data and Linked Data to assemble urban apps
- Citizen participation and data generation, controlling data provenance and trust
- Security and privacy challenges for IoT, citizen-generated data, and Linked Data
- Gaming with a purpose (GWAP) to incentivize citizen participation
- Interaction paradigms in the Smart City
- Novel context sensing mechanisms in the city
- Behaviour Change practices applicable to urban environments
- Urban analytics: determining human dynamics in the smart city
- City services publication, indexing, discovery, recommendation and consumption
- Architectures for consuming and analyzing Urban Broad Data
- Real deployments, using cases and experiments
- Urban Transports

Special Sessions

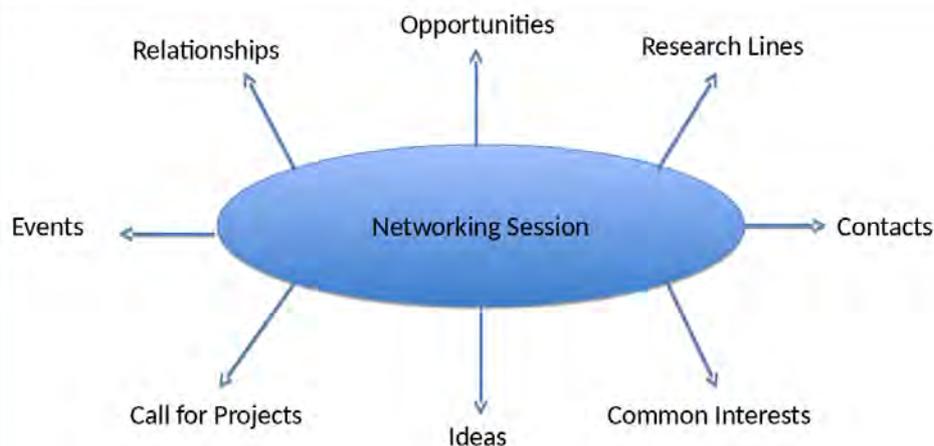
SOCIO-COGNITIVE & AFFECTIVE COMPUTING (Topics)

- Affective Computing
 - Sentient Computing
 - Social Interaction
 - Virtual and Augmented Reality
 - Emotional Robots
 - Ubiquitous and Pervasive Computing
 - Mobile Computing
 - Context Aware Computing
 - Ambient Intelligence
 - Ambient Assisted Living
 - Physiological Computing
- Brain-Computer Interfaces
- Biofeedback and Neurofeedback Systems
- Eye Movements, Gaze Monitoring and Eye Blink Activity
- Wearable Systems
 - Applications and Case Studies

Aml SYSTEMS & MACHINE LEARNING (Topics)

- Learning from observation from humans
- Learning from natural instruction
- Learning from conversation with a human
- Experiential learning
- Learning from a human coach (reverse intelligent tutoring systems)
- Human Interaction with Ubiquitous and mobile System
- User modeling
- User Profiling
- Human-Ambient Interaction
- User experience in Ambient Computing
- Evaluation of interfaces in Ambient and Ubiquitous environments

Networking Session



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Seventh Annual

IEEE Signal Processing in Medicine and Biology Symposium (SPMB17)

Saturday, December 2, 2017

Temple University, Philadelphia, Pennsylvania

IEEE SPMB17 is a regional symposium intended to provide a highly interactive forum where bioengineering and signal processing researchers can collaborate on emerging trends in signal processing. We expect approximately 125 researchers to attend. We specifically encourage graduate students to attend and present their thesis or dissertation research. This is an excellent opportunity to network with leading professionals in your field and to form new collaborations.

Signal processing plays a vital role in applications ranging from medical electronics to data mining of electronic medical records. The enormous amounts of data that can be acquired from devices are enabling a new generation of technology based on big data. This symposium is intended to bring together a wide range of professionals interested in applications of signal processing medicine and biology. The symposium is sponsored by IEEE-USA, IEEE Region 2, IEEE Region 2 Philadelphia Section, Temple University, the Neural Engineering Data Consortium and NYU Polytechnic School of Engineering.

The symposium will consist of two plenary talks, two oral sessions and two poster sessions. Exhibits and demonstrations are encouraged as well. Interested parties should contact the conference organizers at help@ieeespmb.org for further details. Please consult our [conference archive](#) for additional information about the history of this conference.

Symposium Topics:

Traditional signal processing topics include:

- Signal analysis (e.g., EEG, ECG, EMG)
- Medical imaging (e.g., MRI, fMRI)
- Machine learning, data mining and classification
- Big data resources and applications
- Signal processing methods in bioinformatics
- Linear, nonlinear, and adaptive filtering and prediction
- Time-frequency and non-stationary signal analysis

Applications of particular interest this year include:

- Electronic medical records
- Wearable healthcare devices
- Data mining and analytics in healthcare
- Security and reliability in wireless medical technologies
- Biomedical nanosensors and wireless technologies
- Biomedical instrumentation and electrical stimulation

If you have questions about the relevance of a planned submission, feel free to contact the technical committee at help@ieeespmb.org for guidance.

Paper/Abstract Submission:

Presenters may choose to submit to one of two peer-reviewed tracks:

- (1) Paper: An original four to six-page paper for oral presentation.
- (2) Poster: A one-page abstract that will be presented as a poster.

All papers and abstracts are indexed in IEEE Xplore (search for "IEEE SPMB").

Papers/abstracts can be submitted via email to submit@ieeespmb.org. Papers must be prepared using the standard IEEE conference paper template (see [IEEE Templates](#) for more information.)

Important Dates:

Submission	Sept. 1, 2017
Notification	Oct. 1, 2017
Early Registration	Nov. 1, 2017
Final Program	Dec. 1, 2017

Organizing Committee:

General Chairs:

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