Chair's Message

Dear fellow IEEE Philadelphia Section members,

It is amazing how time flies when you are having fun. And it is enjoyable to be part of the great team of volunteers in the Philadelphia Section.

I want to welcome a number of members recently promoted to the Senior Member level. Senior member is the highest grade for which IEEE members can apply. IEEE members can self-nominate, or be nominated. A candidate shall be an engineer, scientist, educator, technical executive or originator in IEEE-designated fields. Candidates shall have been in professional practice for at least ten years. Candidates shall have shown significant performance over a period of at least five of those years. In addition, candidates for Senior Member grade must supply three references from current IEEE members holding the grade of Fellow, Senior Member, or Honorary Member. If you qualify and need assistance, please get in touch with the Philadelphia Section Office and we can help.
Chair's Message

This year the Congressional Visitation Days in Washington, DC will be held on March 24 and 25. If you can attend, please register using this website: https://ieeeusa.org/advocacy/cvd/. The deadline to register is March 6. The Science, Engineering and Technology Congressional Visits Day (SET CVD) is an annual two-day event that brings engineers, scientists, mathematicians, researchers, educators, and technology executives to Washington to raise visibility and support for science, engineering, and technology. Uniquely multi-sector and multi-disciplinary, the SET CVD is coordinated by a coalition of professional societies, companies and educational institutions. It is open to all who support science and technology, especially federal support for STEM research. The program consists of a series of briefings and meetings, culminating with a full day of visits with your Congressional delegates. CVD is free for all participants. IEEE participants are responsible for their own travel arrangements and expenses. CVD is structured to minimize the cost of participating. Now let’s talk about the value of being an IEEE member. IEEE membership plays a vital role in advancing technology for the benefit of humanity. As a member, you know the value IEEE membership has had in your professional career as well. There is a program called MGM that brings you the opportunity to share the value of IEEE membership with your friends and colleagues. Not only can you take pride in supporting IEEE, but you can also earn awards for you and your local IEEE organizational unit (Section, student branch, etc.) on qualifying referrals who join. To take advantage of this program, please go to: https://www.ieee.org/membership/join/member-get-a-member.html you could get up to $90.00 for referring new members, that will alone help cut your cost of membership. Please save the date of April 18th and join us at The Philadelphia Section Awards Banquet gala at the recognized Union League of Philadelphia. We have the honor of having Dr. Dejan Milojicic as our Featured Speaker. Dr Milojicic is currently a distinguished technologist at Hewlett Packard Labs, Palo Alto, CA. He worked at the OSF Research Institute in Cambridge, MA and at the Mihajlo Pupin Institute in Belgrade, Serbia. He received his PhD from University of Kaiserslautern, Germany (1993); and his MSc/BSc from Belgrade University, Serbia. He was a technical director of the Open Cirrus Cloud Computing Testbed, which had academic and industrial sites in the US, Europe, and Asia. He has published over 180 papers and 2 books; also has 41 granted patents and over 120 patent applications. Dr. Milojicic is an IEEE Fellow, ACM Distinguished Engineer, and USENIX member. During this unique event will be recognizing outstanding engineers and one outstanding corporations in our area. Also, I want to thank all the people that submitted candidate names. You made our decision very difficult as we had lots of very qualified people, which is great.
UPCOMING EVENTS

March 10
IEEE Section AdCom Meeting at the University City Sheraton Hotel

March 17
IEEE Section Night at the University City Sheraton Hotel

March 21
45th Annual Original Personal Computer Festival

March 27
12th Annual Drexel IEEE Graduate Forum's Research Symposium
IEEE Section Night

Join with: CoMputers(C), Magnetics(MAG) | For Reservations: https://events.vtools.ieee.org/m/219809

Program starts at 7 PM, and 8 PM,
Dinner is at 6 PM. Location, Sheraton University City Hotel, 36th and Chestnut Streets, Philadelphia Pa.
Cost of dinner is $25.00 (students $15.00); Meeting only is free
Reservations are needed, call (484) 270-5136 or email the section office.

Trade Secrets and NDAs: Legal Tools to Protect Your Intellectual Property

Gerry J. Elman, J.D.
Companies generally have records of their intellectual property (“IP”) in the categories of patent, trademark, and copyright. But most overlook the value of information that would qualify for protection as trade secrets. Because trade secrets don’t get registered with a government agency, they’re the red-headed stepchild in the IP family. Yet when your company assesses and documents its trade secrets, you enhance their protection against misappropriation by domestic and foreign bad guys. Feel more confident when you’re presented with a Non-Disclosure Agreement to sign. And learn how to get the benefit of trade secret protection not only under longstanding state law, but also under a comparatively new federal statute – the Defend Trade Secrets Act of 2016.

Gerry Elman practices law in Media (Delaware County, PA). He helps clients implement their business strategy with the tools of intellectual property (patents, trademarks, copyrights, and don’t forget trade secrets). He also advises how to fulfill privacy and security obligations, including those that emerge with big data generated from the multitudes of sensors in smart fabrics and other elements of the Internet of Things (IoT). With a background in chemistry and computers, Gerry was one of the first attorneys ever to work with online information technology, and he has long evangelized for designing systems with cyber-security in mind. He has served in government Justice Departments at both state and federal levels. A licensed patent attorney, he has helped clients protect and license inventions for a variety of technologies.

Website:  https://elman.com
IEEE Section Night

Join with: CoMputers(C), Magnetics(MAG) | For Reservations: https://events.vtools.ieee.org/m/21980

Program starts at 7 PM, and 8 PM,
Dinner is at 6 PM. Location, Sheraton University City Hotel, 36th and Chestnut Streets, Philadelphia Pa.
Cost of dinner is $25.00 (students $15.00); Meeting only is free
Reservations are needed, call (484) 270-5136 or email the section office.

NEC® Articles 700, 701 & 702
Emergency Power Systems
Joseph F. Maida, PE

The National Electrical Code (NEC®), which is revised every three years, has included many new requirements to enhance the reliability and safety of Emergency Power Systems that provide egress lighting and maintain the operation of equipment essential for personnel safety within buildings. This course will describe the differences between Articles 700, 701 and 702 in the 1993 NEC® and in the 2020 NEC® and the significant cost implications that owner's will be faced with when retrofitting their 35 year old buildings.

Joseph F. Maida, PE has a BSEE and MSEE from Drexel University, has PE licenses in 22 states in the USA and a P.Eng. license in Alberta, Canada, was the Electrical Engineer on the first PA Uniform Construction Code Review and Advisory Board. is LEED accredited and has engineered and designed electrical distribution systems for over 47 years. Joseph, the president and founder of Maida Engineering, Inc., worked on numerous types of commercial, industrial and residential projects in many countries for buildings, processes, railroads, manufacturing lines, amusement attractions and more. Following are some of his award winning projects.
The Philadelphia Section of the IEEE

Annual Awards Banquet & Gala

At

The Union League of Philadelphia
Broad and Sansom Streets, Philadelphia, PA 19102

Saturday, April 18, 2020

Hosted Reception 5:45 PM | Dinner 6:45 PM

$900.00 Table of 10
$85 pp by Mar. 16 | $90.00 pp: March 17 – April 3 | $100.00 pp after April 3

Dress is Business Attire

Final Registration Deadline: April 10, 2020. Please note: Cancellation must be made in writing by April 10, 2020 to receive a refund or not be liable for payment

**Registration:** # _____ Persons at $_____ per person | # _____ Table(s) at $900

Enclosed is a check in the amount of $ _____ Payable to “IEEE-Phila”, Or charge $_____ to my ___ Visa ___ MasterCard ___Amex ___Discover

Credit card # __________________________________________________________
Exp. Date__________ CSV #__________
Name on Card __________________________________________________________
Billing Address, City, State, Zip __________________________________________
Billing Telephone# _________________________________

List attendee name(s) w/suffix, designation and company: (you may email the list of attendee to sec.philadelphia@ieee.org

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Contact name
Company
Tel ___________________________ E-mail _______________________________

E-mail to sec.philadelphia@ieee.org
The College of New Jersey Hosts
The 45th ANNUAL ORIGINAL PERSONAL COMPUTER FESTIVAL

TCF’20

Focus on
Artificial Intelligence
3:40pm
Keynote Speaker:
Jerry Foster
CTO & a founder of Plex Systems,
on “How I Learned to Stop Worrying and Love Artificial Intelligence”

There is much talk these days about machine learning and artificial intelligence (AI), and for good reason. AI is the enabler that drives exponential value from all other technologies; for any process that generates data, it is no longer optional, but a requirement. This keynote provides an overview of Artificial Intelligence, from its humble beginnings to disruptive force, with an eye towards the significant positive impact on our world. Jerry Foster is the CTO and one of the founders of Plex Systems, which today helps more than 600 manufacturers worldwide run their businesses. Jerry continues to set the pace of the innovation in the cloud, leading the company’s technology strategy and research initiatives that drive the industry forward.

INDOOR VENDOR FAIR & FLEA MARKET
50+ Talks, Workshops, Tutorials, Demos and Special Events!

Windows 10:
Dave Soll on Win 10 Tips and Tricks

All-Day Robotics Pavilion
Rooms ED-205 and AR-124

Maker Demos; Get Started with Drones
Tour the Sarnoff Museum of Technology

TCF Saturday Banquet with Door Prizes.
Ticket Information is on the TCF website.

Admission: $14.00 (advance)
$20.00 at Door
Free Parking / Wi-Fi
www.tcf-nj.org

at The College of New Jersey, Ewing, NJ
Saturday, March 21, 2020
9:00am - 5:00pm (vendors close at 3:00pm)
Registration/Vendor Fair open at 9am, Talks start at 10:15am.

Lou Judice
Leads the
WordPress Bootcamp

Mike Redlich & Chuck Knight
Conduct OOP University
Python & Java

Author Barry Burd on New
Insights in Quantum Computing;
Using Flutter in Mobile Devel.

Donn Fishbein on
Stock Market Investing
using Neural Networks

Joe Jesson on
the New 5G Internet
of Things (IoT)

Randall Cole on
Machine Learning with Azure

Hands-on Arduino Workshop
for Beginners

Home Automation with IoT & Smart Devices

Ham Cram Session & Exam:
Get an Amateur Radio License in
one day at TCF! Cram begins at 9am.

IEEE/ACM IT PROFESSIONAL CONFERENCE
The Friday part of ITPC is cancelled for 2020, but is expected to return next year. The Saturday part continues as planned as part of TCF. Those planning to attend ITPC are encouraged to come to TCF.

For additional TCF’20 info, directions and advance tickets:
www.tcf-nj.org

IEEE Integrated STEM Education Conference (ISEC)**
Saturday, March 28, 2020 – 8:00am — 5:00pm
at McDonnell Hall, Princeton University, NJ
Theme: ISTEM: Lead, Engage, Succeed!
Info: http://ewh.ieee.org/conf/stem/

**The IT Pro (Friday) and ISEC Conferences require separate registrations.
The 2020 TCF™ is sponsored by The College of New Jersey, its School of Engineering and supported organizations.
DREXEL IEEE GRADUATE FORUM PRESENTS

12th Annual
Drexel IEEE Graduate Forum Research Symposium

CALL FOR POSTER COMPETITION

When: Friday, April 3, 2020 | 9:00 am - 6:00 pm
Where: 302 Bossone Research Center, Drexel University

Deadline for Abstracts: Mar 20, 2020
Submission Link:
https://tinyurl.com/12thDIGSymAbstract

Deadline for Posters: Mar 27, 2020
Submission Link:
https://tinyurl.com/12thDIGSymPoster

Abstract should be 250-500 words
Free Poster printing for participants
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