



THE PULSE

APRIL 2021 | VOL. 68, NO. 4

OF LONG ISLAND



INSIDE THIS ISSUE

- + IEEE LI Section Chair's Message | 2
- + 2021 REGION 1 AWARD NOMINATIONS | 5
- + IEEE POWER & ENERGY SOCIETY SCHOLARSHIP | 6
- + Member Benefits | 9
- + Call for Senior & Life Members | 10



2020 OUTSTANDING MEMBERSHIP
RETENTION PERFORMANCE
LONG ISLAND SECTION



March has been a busy month for the section. Pandemic notwithstanding, several events saw impressive success, even though they were the first of their type and were completely virtual. In a surfeit of riches, some of the events overlapped with each other. First among them was the **2021 International Energy & Sustainability Conference**. This year's event was completely online and co-sponsored by the Section's Power & Energy Society. I'm sure some attendees would have preferred to be at the University of the West Indies venue, but conditions do not allow it.

With some slight overlap, the Section also held a **Job Fair** and **Employ Me Day** spread over two days, March 12th and 19th. The first day was dedicated to resume writing skills and interviewing techniques. The second day featured Toastmaster and company presentations. The team effort that went into this event was rewarded with a good turnout on the two days, especially since it was the first time the Section was attempting an online job fair.

Kudos to Dr. Jessica Donaldson for having her Signal Processing Society proposal for a summer school accepted. This is a major accomplishment, since a global list of presenters is on the slate. Full details will be available as they become final.

Replacing the Section's in person social networking events are our virtual get togethers on the fourth Monday of alternate months. On March 22, we had our first, which was a success. Not only does it provide an attempt at networking, it also provides small group breakout rooms. See the Section calendar for details on attending the next one on May 24th.

Now is normally the time for accepting nominations for Region and Section awards. If you are a member of the Section, you can submit a candidate for section awards to the Awards Nominating Committee. The Committee has recently had its first meeting and officers are not yet decided. Until they are, please submit nominations for Section awards to me. Include your IEEE member number with the submission. **Region 1 Award Nominations** should be submitted to the Region 1 Awards website. You will need to log in as an IEEE member.

Stay tuned for more events as the warm weather arrives. The Section has several offerings that will be more fully developed in the May edition of the **Pulse**.

Be healthy,

Stay healthy,

Arnold Stillman

IEEE Long Island Section Chair, 2021

THE PULSE OF LONG ISLAND



The Pulse of Long Island is produced by the Long Island Section of the Institute of Electrical & Electronics Engineers. It is published monthly except during July & August.

Arnold Stillman, Editor
pulse@ieee.li

Anthony Giresi, Graphic Designer
pulse@ieee.li

The opinions expressed in this newsletter are those of the authors, and no endorsement by IEEE, its officials, or its members is implied. IEEE prohibits discrimination, harassment, and bullying. For more information on IEEE policies, please visit www.ieee.org.

IEEE Long Island Section reserves the right to decide whether or not to publish any content in our sole discretion. Any contributed content may be edited before publishing.



INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS

445 Hoes Lane, Piscataway, NJ 08855-1331

Phone (USA & Canada): 1-800-678-4333

Phone (Worldwide): 1-732-981-0060

Website: www.ieee.org

E-mail: contactcenter@ieee.org

IEEE LONG ISLAND SECTION OFFICERS

CHAIR
ARNOLD STILLMAN
chair@ieee.li

FIRST VICE CHAIR
RONALD PIRICH
vc@ieee.li

TREASURER
SANTO MAZZOLA
treasurer@ieee.li

SECRETARY
RHONDA GREEN
secretary@ieee.li

JUNIOR PAST CHAIR
LOU D'ONOFRIO

SENIOR PAST CHAIR
MARJANEH ISSAPOUR

AFFINITY GROUPS and COMMITTEES

EMPLOYMENT ASSISTANCE
CHARLES PLECKAITIS
eac@ieee.li

EDUCATIONAL ACTIVITIES
MARJANEH ISSAPOUR
education@ieee.li

ENTREPRENEUR NETWORK
BILL WILKES SR.

MEMBERSHIP DEVELOPMENT
CARL MESHENBERG
membership@ieee.li

YOUNG PROFESSIONALS
YASH CHOWDHURY
yp@ieee.li

LIFE MEMBERS
DON GRIECO
life@ieee.li

STUDENT DEVELOPMENT ACTIVITIES
GLENN LUCHEN
student@ieee.li

WOMEN IN ENGINEERING (WIE)
MIHAELA RADU
wie@ieee.li

AWARDS COMMITTEE
awards@ieee.li

PROFESSIONAL ACTIVITIES
NIKOLAOS GOLAS
pace@ieee.li

LEGAL AFFAIRS
JOHN VODOPIA
legal@ieee.li

www.ieee.li

THE IEEE LONG ISLAND SECTION WEBSITE

The IEEE LI Section website is regularly updated to reflect recent section activity and upcoming events. Each Society and Affinity Group has a dedicated page that describes their function and includes contact information.

www.licn.org

CONSULTANT'S NETWORK OF LONG ISLAND

The Consultant's Network of Long Island maintains a referral service of engineering, computer, managerial and technical professionals.

membership@ieee.li

MEMBERSHIP DEVELOPMENT

For more information on membership with the LI Section of the IEEE, e-mail Carl Meshenberg at: membership@ieee.li

 <p>AEROSPACE & ELECTRONIC SYSTEMS SOCIETY (AES) Chair: Dave Mesecher Vice Chair: Vacant Email: aes@ieee.li</p>	 <p>ANTENNAS AND PROPAGATION SOCIETY (APS) Chair: Bryan Tropper Vice Chair: Sai Padmanabhan Email: ap@ieee.li</p>	 <p>CIRCUITS AND SYSTEMS SOCIETY (CAS) Chair: James Colotti Vice Chair: Supriya Karmakar Email: cas@ieee.li</p>	 <p>COMMUNICATIONS SOCIETY (COMSOC) Chair: Howard Hausman Vice Chair: Tony Bowden Email: communications@ieee.li</p>
 <p>COMPUTER SOCIETY (CS) Chair: Barbara Porter Vice Chair: Brian Quinn Email: computer@ieee.li</p>	 <p>ELECTROMAGNETIC COMPATIBILITY SOCIETY (EMCS) Chair: James Colotti Vice Chair: Bob DeLisi Email: emc@ieee.li</p>	 <p>ENGINEERING IN MEDICINE & BIOLOGY SOCIETY (EMBS) Chair: John Vodopia Vice Chair: Vacant Email: emb@ieee.li</p>	 <p>INSTRUMENTATION AND MEASUREMENT SOCIETY (IMS) Chair: Joe Jordan Vice Chair: Ephraim Adeola Email: im@ieee.li</p>
 <p>MICROWAVE THEORY AND TECHNIQUES SOCIETY (MTT) Chair: Saikumar Padmanabhan Vice Chair: Eric Darvin Email: mtt@ieee.li</p>	 <p>NUCLEAR AND PLASMA SCIENCES SOCIETY (NPS) Chair: Shaorui Li Vice Chair: Graham Smith Email: nps@ieee.li</p>	 <p>PHOTONICS SOCIETY (IPS) Chair: Adam A. Filos Vice Chair: M. Nazrul Islam Email: photonics@ieee.li</p>	 <p>POWER & ENERGY/INDUSTRY APPLICATIONS SOCIETY (PES & IAS) Chair: Marjaneh Issapour Vice Chair: Lou D'Onofrio Email: power@ieee.li</p>
 <p>POWER ELECTRONICS SOCIETY (PELS) Chair: Ronald DeLuca Vice Chair: Predrag Hadzibabic Email: pels@ieee.li</p>	 <p>PRODUCT SAFETY ENGINEERING SOCIETY (PSES) Chair: Tom Lanzisero Vice Chair: Vacant Email: safety@ieee.li</p>	 <p>SIGNAL PROCESSING SOCIETY (SPS) Chair: Jessica Donaldson Vice Chair: Dave Mesecher Email: signal@ieee.li</p>	 <p>SOCIAL IMPLICATIONS OF TECHNOLOGY SOCIETY (SSIT) Chair: Howard Edelman Vice Chair: John Vodopia Email: social@ieee.li</p>
<p>The Long Island Section of IEEE has 18 Chapters. Each Chapter is a technical subunit of the Long Island Section, associated with an IEEE Society. The Chapters, as well as the Section, are always welcoming volunteers. If you would like to help with any of the Long Island Chapter's steering groups, please do contact the relevant Chapter Chair, Vice Chair, or one of the Section officers.</p>		 <p>SYSTEMS COUNCIL (SYSC) Chair: Stephanie White Vice Chair: Vacant Email: systems@ieee.li</p>	 <p>TECHNOLOGY & ENGINEERING MANAGEMENT SOCIETY (TEMS) Chair: Brian Quinn Vice Chair: Barbara Porter Email: tmc@ieee.li</p>



IEEE REGION 1 AWARDS

The purpose of the **Region 1 Awards Program** is to publicly recognize professional and technical excellence and major accomplishments and contributions made by **Region 1 IEEE members**.

Region 1 of the IEEE bestows awards to its members in a variety of technical, managerial and professional categories which are described below. Nominations forms and other instructions can be found on the IEEE website: www.ieee.org and then ask for “*Region 1 Awards*” in the search box.

1a. TECHNOLOGICAL INNOVATION

(ACADEMIC)

For distinguished development, advancement and pursuit of the IEEE’s technical objectives.

1b. TECHNOLOGICAL INNOVATION

(INDUSTRY or GOVERNMENT)

For significant patents, discovery of new devices, development of applications or exemplary contributions to industry or government.

1c. MANAGERIAL EXCELLENCE IN AN ENGINEERING ORGANIZATION

For managerial excellence in organization, leadership, design and development.

1d. OUTSTANDING TEACHING IN AN IEEE AREA OF INTEREST

(UNIVERSITY or COLLEGE)

For outstanding contributions to education in an area of interest to the IEEE.

1e. OUTSTANDING TEACHING IN AN IEEE AREA OF INTEREST

(PRE-UNIVERSITY or COLLEGE)

For improving communications between the IEEE and a student body; for support and service to a student body; for service and leadership to the student community.

1f. ENHANCEMENT OF THE RELATIONSHIP BETWEEN IEEE AND INDUSTRY

For significant contributions in an enhanced IEEE-Industry relationship.

1g. ENHANCEMENT OF THE IEEE OR ENGINEERING PROFESSION’S IMAGE WITH THE PUBLIC

For significant contributions in developing an IEEE-Public relationship.

1h. OUTSTANDING SUPPORT FOR THE MISSION OF THE IEEE, MGA, REGION 1 AND/OR SECTION

For outstanding service to the IEEE at the Chapter, Section, Region, MGA and/or National level.

NOMINATIONS

Send your nominations to to the IEEE Long Island Section Awards Committee at awards@ieee.li. They will be reviewed by the Section’s Awards Committee. **Nominations must be received on or before May 15, 2021.**

MORE INFORMATION AT:

<https://r1.ieee.org/r1-awards/r1-awards-2/>



IEEE Power & Energy Society SCHOLARSHIP PLUS INITIATIVE

IEEE POWER & ENERGY SOCIETY SCHOLARSHIP

Power and energy engineers work with some of today's most exciting technologies, developing solutions to problems that affect our lives and lifestyles.

The PES Scholarship Plus Initiative provides scholarships and real world experience to undergraduates who are interested in power and energy engineering careers. Our undergraduate engineering scholarships aim to accomplish this goal by attracting highly qualified engineering students to the field. These students are the very individuals who will one day develop new green technologies, build the smart grid and change the way we generate and utilize power.

The IEEE PES Scholarship Plus Initiative supports these promising students through financial assistance in the increasingly expensive enterprise of undergraduate studies.



SCHOLARSHIP REQUIREMENTS

You can apply for the PES Scholarship as early as your first year in college. First year students are very much encouraged to apply. You are eligible to receive the scholarship if:

- You're currently enrolled full-time at a university/college or community college.
- You'll be working toward an electrical engineering bachelor's degree (or first professional degree).
- You'll be a full-time student in the coming academic year at a university or college in the U.S., Puerto Rico, or Canada that offers undergraduate courses in power engineering.
- You're willing to take at least three of the power engineering courses for a total of nine or more credits.
- You're a U.S., Puerto Rican, or Canadian citizen or permanent resident and reside in IEEE Regions 1 through 7.
- Your current GPA is 3.0 or higher on a 4.0 scale (or equivalent)

FURTHER INFORMATION IS AVAILABLE AT:

<https://www.ee-scholarship.org/about-the-scholarship>.



LET YOUR VOICE BE HEARD

WRITE TO THE PULSE

The Pulse of Long Island is a newsletter for the members of the IEEE Long Island Section. You can let your voice heard by writing to the Editor. How to bring more value to our members? Interesting new technology, or a project? An issue of interest to members of the IEEE Long Island, Long Island engineers and computer professionals, or Long Island technical community at large? Write to the **Pulse**. Let your letter be read, and your voice heard.

HOW CAN I CONTRIBUTE TO THE PULSE?

Send your letters or articles via email to pulse@ieee.li. If selected for publication, the letter or article will be edited before being published.



ADVERTISERS:
Please contact us at pulse@ieee.li for advertising rates.



CONTRIBUTION DEADLINE:
20th of a month for the next month edition.

CONTRIBUTIONS FROM LONG ISLAND TECHNICAL & ENGINEERING COMPANIES:

Publish your technology-related press release (up to one page) at no cost. Please send the press release as a PDF file attached to email to pulse@ieee.li, addressed to the Editor, with a Subject line "Pulse -PR" followed by your company name, and the responsible contact person's name, email and phone number in the email body.



THE PULSE OF LONG ISLAND

CONTRIBUTE TO THE PULSE – LET YOUR LETTER BE READ and LET YOUR YOUR VOICE BE HEARD





THURSDAY, NOVEMBER 4, 2021
POWER ELECTRONICS SYMPOSIUM 2021

Arrive Anytime, Leave Anytime, from Noon to 8 PM

The Long Island Power Electronics Symposium and Exhibits is the area's premier annual event that brings together the local power electronics community.

For more information: www.ieee.li/pes

LOOKING FOR AN UPDATE ON SECTION EVENTS?

FOR UPDATES ON ALL LONG ISLAND SECTION EVENTS, CHECK OUT THE IEEE LONG ISLAND SECTION WEBSITE:
www.ieee.li




IEEE computer society

SHARE YOUR EXPERIENCE PRESENT YOUR WORK TO THE IEEE

**Working on an interesting project? Or have an interesting topic to talk about?
A startup ready to spread a word, or in need of beta testers with computer knowledge?**

Computer Society Chapter invites you to present your project or your experience. For one of the upcoming meetings, we'd like to mash technical and social, and have several presenters presenting interesting computer-related topics in a shorter timeframe, fostering conversation. This is an opportunity to meet each other, learn about our work and possibly identify opportunities for collaboration.

Contact IEEE Computer Society Chapter at computer@ieee.li with your suggested topic.

IEEE MEMBERSHIP and MEMBER BENEFITS

IEEE membership offers access to technical innovation, cutting-edge information, networking opportunities, and exclusive member benefits. Members support IEEE's mission to advance technology for humanity and the profession, while memberships build a platform to introduce careers in technology to students around the world.



JOIN IEEE OR RENEW YOUR MEMBERSHIP

Reach your full potential as part of the world's largest technology community. Join professionals, experts, and advisors who can help shape your career, offer resources to acquire new skills, and advance your professional development.



MEMBER BENEFITS

As an IEEE member, you'll be presented with new resources, valuable opportunities, and many discounts that will help you advance your career in the right direction. You can find colleagues who share your vision and commitment—those who are moving technology forward today.



ENHANCE YOUR MEMBERSHIP—JOIN AN IEEE SOCIETY

IEEE Societies provide members with opportunities to connect with experts and network with colleagues locally and abroad—all while staying up-to-date on technology and trends in their industry.



GIFT OF MEMBERSHIP

IEEE membership delivers access to the industry's most essential technical information and provides networking opportunities both locally and globally. Members have the ability to stay current in their chosen profession, connect with peers, and invest in their future.



MEMBER-GET-A-MEMBER

Consider sharing your IEEE membership experience and get rewarded for doing so. Through the Member-Get-a-Member (MGM) program, IEEE rewards your efforts in recruiting new members. Your local IEEE Section can also benefit.



IEEE.tv

Made possible by IEEE members, IEEE.tv is an award-winning, Internet-based television network, producing special-interest programming about technology and engineering for IEEE members and the general public.

Get access with new resources, valuable opportunities, and many discounts that will help you advance your career in the right direction.

WHEN YOU JOIN IEEE, YOU:

- Join a community of over 425,000 technology and engineering professionals united by a common desire to continuously learn, interact, collaborate, and innovate
- Get the resources and opportunities you need to keep on top of changes in technology
- Get involved in standards development
- Network with other professionals in your local area or within a specific technical interest
- Mentor the next generation of engineers and technologists and so much more.

IEEE members can access information on local events and activities by signing in to myIEEE, the members' personalized gateway to IEEE membership. In addition, members can also:

- Access individual Society memberships and subscriptions
 - Connect with local IEEE Sections and volunteer leadership
 - Find upcoming conferences
- Learn more about individual benefits
- Read the latest news from IEEE, IEEE Spectrum, IEEE Standards News, and The Institute

No need to over-engineer this.

Satisfaction will increase with exclusive IEEE member discounts and insurance.

Special, low pricing creates high value for IEEE Members.* Tap into exclusive member discounts on products and services from trusted brands.

*Where available



Leverage your IEEE membership today! Visit iee.org/discounts and learn how this inverse relationship can be a proven formula.

You've Always Set Yourself Apart. Now it's Time to make it Official. Nominate Yourself to become a...

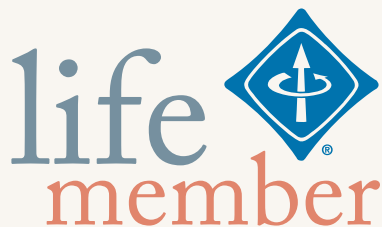
IEEE SENIOR MEMBER



Being elevated to senior member recognizes people who have moved beyond entry-level work in their careers. It also encourages them to engage more broadly with engineers and other technical professionals in companies and universities outside their own. To be eligible for senior member status, members must have worked in a professional capacity in a technical field for at least 10 years. Educational experience is partially credited toward that time. Nominees must also have professional references from three IEEE senior members, Fellows, or honorary members. If you're interested in elevation, you don't have to wait to be nominated—you can nominate yourself.

>> APPLY FOR SENIOR MEMBER GRADE

IEEE LIFE MEMBERS, WRITE FOR THE PULSE!



The Section is inviting you to record your stories and histories in our monthly publication, the *Long Island Pulse*. An article of approximately 300 – 350 words is recommended.

LET US HEAR FROM YOU.

Send your article to: pulse@ieee.li
Life Member Chair: life@ieee.li

The **IEEE Long Island Section** has held meetings with many of our Life Members and Senior Engineers, in recent months. Your stories and histories in engineering are interesting, inspiring and should be recorded for future generations. You have served your profession for many years, many have served our country in the military, many as engineers fighting the Cold War. The many contributions are the legacy to this new digital age, space age, environmental age and beyond.

WANTED: IEEE LIFE MEMBER NEEDED TO VOLUNTEER TO SUBMIT A MONTHLY HISTORY ARTICLE FOR THE PULSE

The **PULSE** is seeking a IEEE LI Life Member to write the *Long Island Electrical & Electronic History* monthly article for the **Pulse**. If interested contact pulse@ieee.li

WE WANT YOUR STORIES



**IEEE
CONSULTANTS
NETWORK OF
LONG ISLAND**

THE IEEE CONSULTANTS NETWORK OF LONG ISLAND (LICN)

is a nonprofit professional organization affiliated with the Institute of Electrical and Electronics Engineers. Our members include dozens of electrical, electronic, mechanical and software engineers with expertise in over 65 categories of technology and business. All are members of the IEEE and adhere to the IEEE professional codes of ethics.

MEMBER
IEEE L.I. CONSULTANTS NETWORK



**PETER BUITENKANT
CONSULTANT**

MICROPROCESSOR HARDWARE / SOFTWARE DESIGNS
DIGITAL CIRCUIT DESIGN • TRAINING COURSES

WEBSITE: www.peterbui-consult.com

24 Thorngrove Lane
Dix Hills, NY 11746

VOICE: (631) 491-3414
EMAIL: peterbui@optonline.net

(516) 378-0979

ambertec@ieee.org

Ambertec, P.E..P.C.

John Dunn – MSEE, PE

Member IEEE Consultants Network of Long Island
www.licn.org/Profile/JDunn

181 Marion Avenue

Merrick, NY 11566

Real Time Embedded - Financial Services - Transit
Architecture - Object Oriented Design - Java - C/C++
Full Stack - Internet of Things - Mobile Applications
Unix/Linux - Windows - Compilers - Communications



EARLY ELECTRONICS
Hardware / Software Consulting Services

Chris Early, BSEE, MSCS, PE
154 Hempstead Avenue
Rockville Centre, NY 11570

unixdev@ix.netcom.com
Voice: (516) 764-1067
Fax: (516) 764-1124

SIGNALS IN MOTION

Len Anderson
President



PHONE: 718-279-3953
FAX: 509-471-6496

E-MAIL: LenAnder@SignalsInMotion.com
WEBSITE: www.SignalsInMotion.com

BODNER & O'ROURKE, LLP
PATENTS, TRADEMARKS, COPYRIGHTS
AND RELATED MATTERS

GERALD T. BODNER
PATENT ATTORNEY

425 BROADHOLLOW ROAD, SUITE 120
MELVILLE, NY 11747
TEL: (631) 249-7500
FAX: (631) 249-4508
gbodner@bodnerorourke.com

ADVANCE IN TECHNOLOGY, INC.
Electronic Design — Analog, Digital, RF and Systems

JOHN LIGUORI
CEO, MSEE
631-865-2423

82 Westwood Avenue, Deer Park, NY 11729

www.advance-in-technology.com

JLiguori@advance-in-technology.com

Broad Shoulder Consulting LLC

Electronics, Mechanics, Optics, Software
www.broshoco.com

Special Expertise in Medical Imaging
System Design, Prototyping and Production
Serving Start-ups and Technology Investors

Dmitry Yavid
Founder
631-706-4696
dy@broshoco.com



Broad Shoulder Consulting, LLC
Long Island High Tech Incubator
25 Health Science Drive
Mail Box 320
Stony Brook, NY 11790-3350

Fred Katz Consulting, Inc.

93 Steven Place West Hauppauge, NY 11788

Proposals, Contracts & Specification Development
Innovative Creation, Electro-Mechanical
Analog & Digital Circuit/System Design
Wireless, Motion, Occupancy Sensors
System Analysis/Documentation
Commercial/Military Product Design
Sonar Systems and Acoustic Signal Processing
Security, Marine & Energy Saving, ROHS, UL Testing
Clever Inventions, Algorithm, IP & Patent Development



fred@fredkatzconsulting.com

www.fredkatzconsulting.com

Fred Katz
President

(631) 724-7702

Electronics
Consultant

Memberships: IEEE Senior Life Member, IEEE LI Consultants Network, LI Metal
Workers, Mensa Society, NYS Professional Inventors, Suffolk County Inventors

EXPERT WITNESS

TECHNICAL INVESTIGATOR

MARTIN KANNER AE, EE, MEE

PRODUCT LIABILITY
MACHINE INJURY

FIRE DAMAGE INJURY
LIGHTNING DAMAGE



sixxpoppy@juno.com

(516) 681-4346

POWER – CONTROLS DIV.
42 Glenwood Road
Plainview, NY 11803

EEDEngineering - Quality Software/Testing Solutions

Andrew Franklin Baxt
Managing Director of Engineering

Phone: 516-678-6563
Mobile: 561-558-3499
Oceanside, New York 11572
Andrew.Baxt@EEDEngineering.com
www.EEDEngineering.com

Carl Meshenberg

Technology Consulting Services

Electronic Product Development
Project Management
Marketing Strategies
Contract Development & Oversight

Mobile: 516 383-2595
carl.jmesh@gmail.com

**PROGRAMMING
PLUS®**

2503 AVENUE X
BROOKLYN, NY 11235

HARDWARE & SOFTWARE CONSULTING

- ADMINISTRATION
- DATABASES
- UNIX
- DEVELOPMENT
- NETWORKS
- LINUX
- ENGINEERING
- INTERNET
- VMS
- INTEGRATION
- SECURITY
- WINDOWS

For expert assistance, contact **Robert Weiner, EE, PE**, at:

Tel: (718) 648-6902 Email: info@progplus.com
Fax: (718) 648-7449 Web: www.progplus.com

**IEEE Consultants
Network of Long Island**

PO Box 411, Malverne NY 11565-0411

www.licn.org

(516) 379-1678

Be sure to visit our web Blog at:
licn.typepad.com/my_weblog



Affiliated with the Institute of Electrical
and Electronics Engineers, Inc.



John F. Vodopia, Esq.

Intellectual Property Law Firm

133C New York Avenue
Huntington, NY 11743

631-673-7555 ext: 5
631-327-6197 (Mobile)
631-425-7030 (Fax)

jvodopia@gmail.com
jvodopia@ieee.org





IEEE



THE **PULSE**
OF LONG ISLAND