



April, 2008 Vol. 58 No. 4

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Chairs Message

By Bill DeAgro
wdeagro.ieee@hotmail.com

Howdy Partners,
Spring has arrived and what a beautiful day we had today (sunshine and 70°s) - superb.

As I peruse our website (www.IEEE.LI), it fascinates me to see some of the older Pulse Newsletter publications. The earliest one we have on record dates back to March of 1955 when we were called the IRE (Institute of Radio Engineers). As you can see from this issue, back then too there was also an extraordinary high degree of dedication just by judging the first page which depicts a major conference event of 55 Technical Sessions, 704 Engineering Exhibits, 40,000 attendees. Not too shabby by any means. If you have a little time, I encourage you to peruse some of our older very interesting back issues of the Long Island Pulse. Since we are missing quite a few, I also ask our old timers to please let us know if you have any issues that are missing which we may borrow so we're able to post them electronically.

Speaking about conferences, we are now quickly approaching IEEE's 2008 Long Islands Systems Application and Technology (LISAT) Conference which is on May 2, 2008. With 3 tracks of lectures and many exhibitors, please don't miss this wonderful event. Further details are within this publication and at the IEEE LI website www.IEEE.LI. Please don't hesitate to register.

On April 4, 2008, IEEE LI had the honor once again to host our Annual Awards Banquet. This year we had a new change of venue at the Hyatt Regency in Hauppauge which turned out wonderful. Special thanks to all that contributed in making this a success, in particular Mark Sadick, Sandy Mazzola and Bryan Tropper. Pictures and the Program will soon be posted at www.IEEE.LI.

For those whom had interest in the Chairs report in last months Pulse Newsletter regarding the topic on Off Shoring, please watch our Calendar at www.IEEE.LI. We recently had a lecture on doing business in China and there are plans for an upcoming more in depth lecture on Off Shoring in the works.

Lastly, I wanted to mention we have an excellent IEEE LI executive team which is in excess of 25 people. Some of our newer executives such as Allison Fusswinkel (Student Development/Activities Chair and of Northrop Grumman) are making progress to improve the development of our relationship with local colleges. It's one step at a time and Nick Golas, our Instrumentation and Measurement Chairman is kindly assisting. Also, Dave Sterner, our Pulse Newsletter Editor has also taken a lead to get a start on the IEEE GOLD (Graduates of the Last Decade) program. We currently have several people interested in assisting, however we can use more volunteers not only here but in other areas as well. If you are interested in being hands on and closer to what's going on in the IEEE, Volunteerism may be something to consider. If anyone is interested in joining us, please contact us to discuss. Everyone who is interested is welcome.

William C. DeAgro
Chairman, IEEE LI
wdeagro.ieee@hotmail.com

Telephonics' RDR-1700B Radar Selected for Northrop Grumman's MQ-8B Fire Scout Maritime Surveillance Demonstration

SEA-AIR-SPACE EXHIBITION, Washington, DC, March 18, 2008 – Telephonics Corporation, a wholly owned subsidiary of the Griffon Corporation (NYSE:GFF), announced today that the RDR-1700B Multi-Mode Radar (MMR) has been selected by Northrop Grumman's (NYSE: NOC) MQ-8B Fire Scout program to demonstrate the maritime surveillance capabilities of the Fire Scout Vertical Takeoff and Landing Unmanned Aerial Vehicle (VTUAV) with a fully integrated maritime surveillance radar. The Telephonics RDR-1700B MMR is optimized for maritime surveillance and includes small target detection, SAR and ISAR imaging, and fully integrated Automatic Identification System (AIS) modes for advanced unmanned systems like the Fire Scout. The demonstrations will be conducted by Northrop Grumman and Telephonics this year and will demonstrate the RDR-1700B MMR along with the existing on board electro-optical/infrared sensors.

"The RDR-1700B MMR is the optimum maritime surveillance radar solution for Fire Scout. It is the lightest weight, lowest power consumption and the highest performance maritime surveillance radar available", said Mr. Joseph Battaglia, President of Telephonics Corporation. "We are proud to be part of this important demonstration which will showcase for the U.S. Navy the enhanced capability of Fire Scout with our proven, fielded maritime surveillance radar."

The purpose of this effort is to demonstrate Fire Scout's superior operational utility while evaluating the enhanced mission effectiveness of the platform with integrated RDR-1700B maritime surveillance radar. "We are thrilled to be able to move forward with the implementation of radar on the Fire Scout because it will ultimately bring another capability to the warfighter. Radar will also maximize the use of the Fire Scout's Modular Payload Architecture that allows true 'plug and play' capability," said Doug Fronius, program director for Northrop Grumman's Integrated System's Fire Scout VTUAV program. "The radar demonstration will pave the way for the Navy's radar program because the Navy will be able to use and leverage information learned from

Northrop Grumman's effort in its program. The Telephonics RDR-1700B MMR features maritime surveillance SAR and ISAR imaging, weather avoidance and other customer-unique features. The RDR-1700B weighs less than 65 pounds. Telephonics Radar Systems Division is a world leader in lightweight, high performance multi-mode maritime surveillance systems. The U.S. Navy's MH-60R Maritime Strike Helicopter is fitted with the Telephonics AN/APS-147 MMR and the U.S. Coast Guard operates the Telephonics APS-143 OceanEye™ radar on HU-25 Guardian and HC-144A MPA aircraft.

Telephonics enters contract with King Aerospace for APS-143C(V)3/OceanEye™ Maritime Surveillance Radar

FARMINGDALE, NEW YORK, April 7, 2008 – Telephonics Corporation, a wholly owned subsidiary of the Griffon Corporation (NYSE:GFF), announced today that it has entered into the contract with King Aerospace, Inc., a subsidiary based at Tyndall Air Force Base, for the purchase of two Maritime Surveillance Radar-APS-143C(V)3/OceanEye™ with an option for the third Radar to be purchased in 2010.

The APS-143C(V)3 is durable, lightweight, highly reliable, multi-mode maritime surveillance radar based on the legacy APS-143(V)3 incorporating numerous mission critical features. This radar features Enhanced Small Target Detection, fine-resolution SAR/ISAR imaging and the only internally integrated IFF Interrogator capability available. With exceptional performance capability and pre-planned growth modes, the APS-143C(V)3 is the best choice for tactical maritime missions today and well into the future. The U.S. Coast Guard operates the Telephonics APS-143 OceanEye™ radar on HU-25 Guardian in addition to the HC-144A Ocean Sentry MPA aircraft. Telephonics radar has more than 20 years of continuous service on board the King Aerospace E-9A aircraft.

"We are very pleased to continue supporting this important customer and mission as we have for the last 20 years," said Kevin McSweeney, President of Radar Systems Division at Telephonics. "This is a testament to the performance and reliability of the Telephonics APS-143 and the support we provide as a leading airborne maritime surveillance company."

GOLD Affinity Group

Thanks to seven graduates of the last decade (GOLD), the Long Island Section filed a Petition to form an IEEE GOLD affinity group. The charter members are: David Furniss, Michael Schreiber, Ashton Rampersad, Javier Solis, Justin Maloney-Hahn, Adam Chalson and our secretary Jonathan Garruba.

We invite other graduates of the last decade to join GOLD. This is an opportunity to network with other recent graduates, meet with other engineering societies and young business people in the Long Island area.

Honeywell Wins \$23 Billion Contract with Embraer

Honeywell announced this week that it has been chosen to supply the latest generation of its HTF7000 turbofan propulsion system family for Embraer's new mid-size jet (MSJ) and mid-light jet (MLJ) business aircraft.

With a potential total program value of more than \$23 billion, this is the largest single-source contract ever awarded to Honeywell Aerospace. Embraer announced the news earlier this week to the financial and trade press on a teleconference with global press representatives. Joining Embraer for the announcement were Honeywell Chairman and CEO Dave Cote and Aerospace Business & General Aviation President Rob Wilson.

Embraer is developing their next-generation business jets to deliver what the marketplace is asking for – larger cabins, increased speed and great field performance.

“The HTF7500-E engine will feature new technology to achieve reduced emissions, improved fuel efficiency and will maintain our design emphasis on reliability and dispatchability. It will be backed by our industry-leading maintenance service plan,” said Rob Wilson, president of Business and General Aviation. “Honeywell designed the E-Engine with an acoustic signature well under stage four noise requirements and with improved combustor technology that will reduce nitrogen oxide emissions substantially below current ICAO levels while still delivering best-in-class fuel economy.”

Honeywell's \$23 billion win follows a March win at Gulfstream valued at \$3 billion, an Air Tran win earlier this year valued at \$1 billion and an Airbus A350 win announced in the fourth quarter valued at \$16 billion.

Message from Steven Rubin

Patent rules enjoined. No, I'm not repeating my column from a few months back. In the fall, a district court judge issued a preliminary injunction (a temporary ruling) preventing the implementation of certain patent rules that were to be imposed by the Patent Office. Now, in the past month, that same judge has issued a permanent injunction (a permanent ruling) against the Patent Office for those same rules.

The ruling is of major significance for many reasons. For one, simply challenging the Patent Office is unprecedented in recent memory. For a long time, the Patent Office would simply issue rules, and patent attorneys and inventors would feebly follow.

By granting the request to prevent the implementation of those rules, the court has given other companies an incentive to challenge future rules implemented by the Patent Office. Further, we now have the standard for challenging those rules.

According to the court, the Patent Office may not make rules that are substantive or that affect the rights or obligations of applicants. The standard appears to be easy to meet, as almost any rule will affect the legal rights of applicants.

I anticipate more challenges to Patent Office rules in the future. For example, the Patent Office is rumored to be issuing rules relating to submission of related prior art (i.e., information disclosure statements). I would not be surprised if those rules are challenged.

Additionally, by successfully challenging rules promulgated by the Patent Office, patent reform in Congress is going to get more attention especially since certain provisions in the Patent Reform Act of 2007 (such as the requirement of a prior art search report) are related to rules that the Patent Office sought to implement. If the Patent Office could not get these rules implemented, perhaps Congress will.

For more on the Patent Reform Act of 2007, please come see my presentation on "Understanding the Implications of the Patent Reform Act of 2007" at LISAT 2008!

Telephonics APS-143C(V)3 accepted as Integral Sensor on USCG HC-144A Ocean Sentry Maritime Patrol Aircraft

FARMINGDALE, NEW YORK, April 14, 2008 – Telephonics Corporation, a wholly owned subsidiary of the Griffon Corporation (NYSE:GFF), announced today that its APS-143C(V)3 OceanEye™ multi-mode radar has been fully integrated and certified by Lockheed Martin as part of the roll-on electronic Mission Systems Pallet (MSP) for the U.S. Coast Guard's HC-144A Ocean Sentry Maritime Patrol Aircraft.

The Coast Guard recently accepted the first MSP for the HC-144A aircraft. The fully mission capable HC-144A aircraft will now begin a formal Operational Test and Evaluation (OT&E) period prior to entering operational service in 2009. "The APS-143C(V)3 is a proven performer in the maritime patrol mission area, and we are extremely pleased and proud to be part of this important program for the U.S. Coast Guard", said Joseph J. Battaglia, President of Telephonics. "Telephonics has had a long history of success and proven performance with the USCG and we are very pleased to be part of the Coast Guard team on the HC-144A."

The APS-143C(V)3 is the latest in the OceanEye™ family and features Enhanced Small Target Detection, fine-resolution SAR/ISAR imaging and the only internally integrated IFF Interrogator capability available. APS-143C(V)3 has been chosen by a wide array of international fixed-wing and rotary wing operators requiring the best performance and lowest weight radar solutions. Telephonics Radar Systems Division is a world leader in lightweight, high performance multi-mode maritime surveillance systems. The U.S. Navy's MH-60R Maritime Strike Helicopter is fitted with the Telephonics AN/APS-147 MMR and the U.S. Coast Guard operates the Telephonics APS-143 OceanEye™ radar on HU-25 Guardian in addition to the HC-144A Ocean Sentry MPA aircraft. The Japanese Coast Guard operates the Telephonics RDR-1700B MMR, which has also seen significant interest in the rotary wing and UAV mission areas.

EAP Talk on Staying Viable

On May 15, 2008 Robert Kohler deliver a talk at BAE Systems on *How to Stay Viable in any Economic Cycle*. This presentation is targeted for engineers and technical managers, but is open to all who are interested. Register at our website www.IEEE.LI.

Long Island Section 2008 Annual Awards Ceremony

Hauppauge, April 4. Stan Zoubek presented the keynote address, "Contributions of IEEE Engineers to the Development of the E02D Advanced Hawkeye" at the Long Island Section 2008 Annual Awards Ceremony at the Hyatt Windwatch.

Section Awards, presented by Jesse Taub, Awards Chairman

Harold Wheeler Award: Dr. Kenneth Schneider
for technical and management contributions relating to the development of innovative data communication products.

Alex Gruenwald Award: Mr. Arthur Rossoff
for many contributions to the promotion of technology on Long Island, particularly the Long Island Forum for Technology and the Long Island Museum of Science and Technology. .(posthumous)

Charles Hirsch Award: Dr. Babak Beheshti
for noteworthy contributions to reconfigurable wireless technology.

Outstanding Young Engineer Award: Dr. Gabriella Carini
for outstanding contributions to the advancement of semiconductor detectors for X-Ray spectroscopy.

Region 1 Awards, presented by Jesse Taub, Awards Chairman

Dr. John A. Fiorillo *for outstanding support of Long Island Systems, Applications and Technology (LISAT) Conference through enhancing student participation and development of college facilities.*

Mr. Mark Sadick *for creating an exemplary professional exhibit offering as part of the Long Island Section's IEEE Long Island Systems, Applications and Technology (LISAT) Conference.*

Mr. Bryan Tropper *for dedicated efforts contributing to the growth and current activities of the IEEE Region 1 and Long Island Section APS*

IEEE Long Island Section Volunteer Recognition by Chairman William DeAgro

Section officers, Society/Chapter Chairs, Activity and Affinity Chairs received awards and certificates for their services to the IEEE Long Island Section.

Sponsors of 2008 Awards Ceremony

The Long Island Section thanks to the sponsors of the 2008 Annual Awards Ceremony:

BAE Systems

National Grid

Telephonics Corporation

Northrop Grumman Corporation

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Agilent Technologies

ITT Corporation

CDB Enterprises

IEEE

JobSite

Visit www.IEEE.org/jobs for a link to <http://careers.ieee.org>, the IEEE JobSite with special features for members and employers. This site is very useful to members, whether looking for a change or even if satisfied with present employment.

IEEE members can login to create/update profiles and post resumés. The website has an employment Q&A, featured company profiles, featured jobs, news of upcoming career fairs and much more.

The Salary & Hiring Info links to practical information on salaries and rates for U.S. Members, and benchmarking tools for employers.

The Career Center tab accesses the IEEE-USA Career Navigator with links to the IEEE-USA Employment Navigator, the IEEE-USA Consultants Database, IEEE-USA Entrepreneurs Village, and more.

Employers can advertise, post job openings and company profiles, links to their own websites, as well as search resumés.

A **GOLD** Graduates of the Last Decade Academic Professional Portal is coming soon!

Vanguard 1 Fiftieth Anniversary

On [March 17, 2008](#) the Vanguard 1 satellite, the oldest man-made object in space from Planet Earth, logged its 50th year in Earth orbit.

A small group of former U.S. Naval Research Laboratory and NASA workers has been in communication, and a number of government agencies commemorated the event. The Naval Research Laboratory commemoration was a day-long meeting at NRL on March 17, 2008. The meeting concluded with a simulation of the satellite's track as it passed into the orbital area visible from Washington, D.C. (where it is visible from the Earth's surface). The National Academy of Sciences scheduled seminars to mark the 50th anniversary of the International Geophysical Year, but at this time, these are the only official observances known.

During the 1957-1958 International Geophysical Year the United States and USSR launched the Earth's first artificial satellites. United States space program priority increased after the launch of Sputnik 1 on October 4, 1957) and Sputnik 1 on November 3, 1957). The United States launched Explorer 1 on January 31, 1958, Vanguard 1 on March 17, 1958, and Explorer 2 on March 26 1958.

Vanguard 1 provided information on atmospheric drag, calculated from the lag observed by Earth tracking stations. Explorer 3 carried a micrometeorite detector and a cosmic ray detector (Geiger Müller Tube). The cosmic ray data confirmed the existence of the Van Allen Belt.

United States program contractors were primarily West Coast based (Jet Propulsion Laboratory and Aerojet), but expertise from Long Island surely aided these programs. We want to hear from Long Islanders who were involved in the early space program. Please contact me if you were involved in these programs or have a story to tell.



The IEEE Consultants Network of Long Island (LICN) invites you to attend our next meeting. Please join us to hear an informative presentation and take the opportunity to network with our members and friends.

What: May LICN Meeting

When: 7:00 PM Wed May 7th

Where: Briarcliffe College (The Great Room)
1055 Stewart Ave
Bethpage, NY 11714

Speaker: Robert Berger

"Using LabView Instrumentation Software"







Fee: Free of Charge (no fee)

RSVP: Jerry Brown at jlbrown1@optonline.net

Hope to see you there. Jerry Brown

LICN Chairman
www.consult-li.com
516-379-1678

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<p style="text-align: center;">Sadinsky Consulting</p>  <p style="text-align: center;">Samuel Sadinsky, P.E.</p> <hr/> <p style="text-align: center;">Plasma Sputtering & Etching Electromechanical & Electronics Systems</p> <p>79 Miller Avenue Port Jefferson Station New York, NY 11776-3735</p> <p style="text-align: right;">Voice / Fax (631) 476-5780 e-mail: s.sadinsky@ieee.org</p>	<p style="text-align: center;">Fred Katz Consulting, Inc.</p> <p>93 Steven Place West Hauppauge, NY 11788-1649</p> <div style="border: 1px solid red; padding: 5px; width: fit-content;"> <p>Innovative Algorithm Creation System Analysis & Documentation Commercial/Military Product Design Proposals, Contracts & Specifications Analog & Digital Circuit/System Design Wireless, Sensor & Micro-Power Circuitry Security, Marine & Energy Savings Designs Clever Inventions/Intellectual Property Development</p> </div>  <p>Phone: (631) 724-7702 Fred Katz e-mail: f.katz@ieee.org President Member: IEEE, LICN, LI Metal Workers & American Mensa Society</p>	<p>EXPERT WITNESS TECHNICAL INVESTIGATOR</p> <p style="text-align: center;">MARTIN KANNER AE, EE, MEE</p> <p>PRODUCT LIABILITY FIRE DAMAGE/INJURY MACHINE INJURY LIGHTNING DAMAGE</p>  <p style="text-align: right;">POWER-CONTROLS DIV. 42 Glenwood Road Plainview, N.Y. 11803</p> <p>(516) 681-4346</p>
<p>Essex Systems</p>  <p>36 Flower Hill Rd Huntington, NY 11743</p> <p>WWW.ESEXSYSYS.COM</p> <p>Phone: 631 271-9714 Fax: 631 423-0806 jbrown@essexsys.com</p> <p style="text-align: center;">Engineering Consulting Electromechanical systems Measurement & control Signal processing Web Handling Vibrations</p> <p style="text-align: center;">Jerry Brown Consultant</p>	<p style="text-align: right;">Moez Hassid</p>  <p>Web Design Custom Applications Virus Removal Wireless Networking Upgrading Systems Security Setup</p> <p style="text-align: center;">International Systems Design Network Software & Hardware Solution Providers</p> <p>2 Ruth Court Tel. (516) 384-6202 Great Neck, NY 11023 Fax. (516) 773-0317 info@isdnetw.com www.isdnetw.com</p>	<p style="text-align: right;">2503 AVENUE X BROOKLYN, N.Y. 11235</p> <p>PROGRAMMING PLUS</p> <p style="text-align: center;">HARDWARE & SOFTWARE CONSULTING</p> <ul style="list-style-type: none"> <li style="width: 33%;">• ADMINISTRATION <li style="width: 33%;">• DATABASES <li style="width: 33%;">• UNIX <li style="width: 33%;">• DEVELOPMENT <li style="width: 33%;">• NETWORKS <li style="width: 33%;">• LINUX <li style="width: 33%;">• ENGINEERING <li style="width: 33%;">• INTERNET <li style="width: 33%;">• VMS <li style="width: 33%;">• INTEGRATION <li style="width: 33%;">• SECURITY <li style="width: 33%;">• WINDOWS <p>If you need expert assistance, contact Robert Weiner, P.E., at: Tel: (718) 648-6902 Email: info@progplus.com Fax: (718) 648-7449 Web: www.progplus.com</p>

CALENDAR OF IEEE LI EVENTS

APRIL

22 – Power Engineering Society
Construction of the Mott Haven Substation
5:15 PM refreshments, 5:30 PM lecture
Con Ed, 4 Irving Place, NYC

28-EXCOM Meeting
6PM-Welcome; 6:30PM Meeting
Telephonics, Farmingdale

MAY

2-LISAT 2008
Long Island Systems, Applications and Technology
SUNY Farmingdale, full day program
See details in the LISAT page.

7-Long Island Consultants Network
“LabView Instrumentation Software”
Briarcliff College – The Great Room, Bethpage, 7PM
Contact: John Dunn, 516-378-2149

15 – EAP - Robert Kohler discusses,
How to Stay Viable in any Economic Cycle
BAE Systems, Greenlawn
Contact: Steven Beigi

19 -EXCOM Meeting
6PM-Welcome; 6:30PM Meeting
Telephonics, Farmingdale

21 – Enginering in Medicine & Biology
Diferential Video Front End Design using Simulation and
Virtual Instrumentation by Robert Noonan.
SUNY Farmingdale, Lupton Hall
6 PM refreshments, 6:30 PM lecture

28 – MTT Society TBD
NARDA, Hauppauge, NY

29 – Communications Society
Fundamentals of Satellite Communications
By Howard Hausman
SUNY Farmingdale, Lupton Hall
6 PM refreshments, 6:30 PM lecture

JUNE

7-Long Island Consultants Network
Briarcliff College – The Great Room, Bethpage, 7PM
Contact: John Dunn
516-378-2149

IEEE

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Chair

WILLIAM C. DEAGRO
Telephonics Corporation
Office 631-755-7196
wdeagro@optonline.net

First Vice Chair

SANTO MAZZOLA
BAE Systems
Office 631-262-8367
mazzolas@ieee.org

Second Vice Chair

BRYAN TROPPER
BAE Systems
Office 631-262-8233
bryan.tropper@baesystems.com

Treasurer

BRIAN QUINN
Verizon
Office 212-856-1354
brian.j.quinn@verizon.com

Secretary

Jon Garruba
Northrop Grumman Corporation
631-704-4697
jon.garruba@ngc.com

Junior Past Chairman

Ted Pappas
National Grid
Office 516-545-4011
tpappas@keyspanenergy.com

Senior Past Chairman

DAVID L. WOLFF
BAE Systems
Office 631-262-8437
d Wolff@ieee.org

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PO Box 411,
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Membership Information

For information on membership in the
Long Island Section of IEEE
Contact: Ted Pappas



IEEE LONG ISLAND SECTION and IEEE REGION 1 present

LISAT2008

The fourth annual conference on
Long Island Systems, Applications, and Technology
 Friday, May 2, 2008 9am – 5pm

in cooperation with the
INSTITUTE FOR RESEARCH & TECHNOLOGY TRANSFER
LUPTON HALL
Farmingdale State College, State Univ. of NY Farmingdale State College

The IEEE Long Island Section, in cooperation with its Technical Society Chapters and IEEE Region 1, will be holding the **2008 IEEE Long Island Systems, Applications, and Technology Conference (LISAT2008)** on Friday, May 2, 2008, in Lupton and Roosevelt Halls at Farmingdale State College, 2350 Broadhollow Road, Farmingdale, New York. This fourth annual LISAT Conference will feature presentations in parallel tracks that highlight new and interesting work on a variety of electronic systems, applications, and technologies. The Conference focuses on LI development in the areas of communications, RF techniques, electromagnetic compatibility, advanced software techniques, global warming, alternate energy, advanced sensors, locationing, and cutting edge technologies.

LISAT2008 Presentations

R. Pirich, C. Basanez, P. Anumolu; Northrop Grumman: **Electromagnetic Environmental Effects Modeling, Simulation & Test Validation for Cosite Mitigation** • P. Anumolu, T. Hilgeman, R.Pirich; Northrop Grumman, G. Bahazl; NYIT: **Plug-in Hybrid Vehicles: An Overview and Performance Analysis** • W. Zhang, Y.Li; Wuhan University, China: **Designing Analog Controller on ANEHP-Alpha: A New Intrinsic EHW Platform** • Y. Hung, H. Tawfik; Farmingdale State College, D. Mahajan; Stony Brook University / Brookhaven NL: **Characterization Studies on PEM Metallic Bipolar Plates and Membrane Electrode Assembly After One Thousand Hours of Operation** • J. Heimmer; PAR TECH LLC: **Multi-mission Phased Array Radar (MPAR) National Radar R&D Project** • D. Mesecher; Northrop Grumman: **A Physical Layer Open Architecture for Communications Systems Integration: Common Baseband Processor with Multiple-Access Adaptively Steered Antenna Array** • R. Berger; National Instruments: **Virtual Instrumentation for Test, Control, and Design** • B. Beheshti; NYIT: **Software Implementation and Performance Analysis of the LTE Physical Layer Blocks on a Next Generation Baseband Processor Platform** • S. Rubin; WolfBlock: **Understanding the Implications of the Patent Reform Act of 2007** • D. Rapka; NYIT: **Solar Carport** • M. Colef, S. Marcia, E. Ciobotaru, B. Hoxha; NYIT: **Characterizing Wireless Sensor Hardware Design For External Sensor Systems** • M. Colef, A. Bode, N. Demato; NYIT: **Using Fault-Tolerance Techniques in External Sensor Systems** • H. Chin, A. Rawana, E. Martin; NYIT: **A Middleware Framework for External Sensor Systems** • H. Chin, M.Lauritsch, K. Khokhar; NYIT: **Protection of External Sensor Systems Using TinyOS Modular Approach** • H. Chin, J. Hilton, J. Marcotrigiano; NYIT: **The Distributed Infrastructure of TinyDB for External Sensor Systems** • A. Wolke; Tektronix: **The Challenge of Testing Digital RF Technologies** • D. Hayes; Pace University: **A Framework for Computer Forensics Investigations Involving Microsoft Vista** • T. Roslak; Motorola: **Management of Specialized Mobile Computers in the Enterprise with Special Consideration to Thin Clients, Abstraction and the Physical Security of the System** • R. Balfour and R. Balfour, Balfour Technologies: **fourDscape Four-Dimensional Visualization for HLS, Real Estate, Emergency Response, Security, Simulated Training, Construction, and More.** • B. Willins, Hauppauge Digital: **North American Digital TV - OTA-ATSC, Cable-QAM & Internet T V**

2008 Conference Registration *

(Includes breaks, lunch, and Proceedings)

*CEU Credits will be available for an additional \$25 (One CEU is equivalent to 10 PDHs)

Please send name, address & email with check made out to "IEEE Long Island Section" to Brian Quinn, LISAT Treasurer 47 Carnation Road, Levittown, NY 11756-2035

Member type	Until April 1 *	After April 1 *
IEEE Members	\$ 125	\$ 150
Non-members	\$ 175	\$ 200
IEEE Student/Life	\$ 50	\$ 75

IEEE is an Authorized CEU Provider of the International Association for Continuing Education and Training (IACET) IACET Provider # 1255 NY State CE Provider #100996

<http://www.ieee.li/lisat>

* Applications have been made for CEU Credits

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