The NY IEEE MONITOR is the official news publication of the IEEE NY Section, reaching between 5000—6000 Electrical Engineers and Computer Engineers across New York City (Brooklyn, Bronx, Manhattan, Queens and Staten Island), Rockland and Westchester Counties. The publication reports on events and activities of interest to the general membership and carries the monthly IEEE NY Section society chapter calendar of events as a service to its readers. In 2008 the NY Section ExCom decided to no longer print and mail the issue, but to post the NY Monitor online where you may retrieve it for printing.

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The NY Monitor always needs reporters. You will get a chance to attend and report on meetings of IEEE Societies and interview masters in your field of study. Submit to marlen.k.waaijer@ieee.org

Events submission checklist
• Contact person name, e-mail address & phone number
• Name of society or group(s) to sponsor the event
• Name of event
• Date of event (indicate tentative or firm)
• Time of event
• Location (FULL address)
• Location directions (subway, etc.)
• Presenter details (if applicable)
• Event abstract (if applicable)
• Registration/Rsvp requirement and instructions
• Cost to attendees (if any)
• CEU/PDH credits & cost information (if applicable)
• Society/group website location for further information
• E-mail information to: marlen.k.waaijer@ieee.org

Deadlines: With the introduction of the online newsletter, we accept articles on an ongoing basis. We post the calendar online no later than the start of each month. However, for efficacy, you should send your event information at least one month ahead of time.

The Managing Editor will make every attempt to get the printable copy of the NY Monitor out on time, however late submission of crucial information or lack of content may result in lateness. Please always check the website for updates on event announcements.

www.ieee.org/nymonitor

On the cover: Going out on a limb, I wish every IEEE NY Monitor reader a prosperous 2010. It will take inventiveness, creativity and community spirit. Contact me and share your ideas and needs to the NY Section. I captured this tree on my way to a presentation by Pratt students at Fort Tilden RAA on the day after the big snowstorm of 2009.
INTRODUCING DAVID HORN

The 2010 Chair of the IEEE NY Section—David (Dave) Horn—has been a member of the IEEE since 1968 and he was elevated to Senior Member in 2002. Mr. Horn has served as Vice Chair – Chapter Operations, Vice Chair – Section Activities, Treasurer, and Secretary on the IEEE’s NY Section Executive Committee. Mr. Horn was also a Past Chair of the NY Section’s Vehicular Technology Society chapter. In 2003, Mr. Horn received an IEEE Region 1 Award recognizing his service and leadership in the Vehicular Technology Society. Mr. Horn is a member of the IEEE’s Vehicular Technology, and Communications Societies, the IEEE’s Technology Management Council, and the American Railroad Engineering & Maintenance-of-Way Association (AREMA). Mr. Horn, who is married and has two grown daughters, holds a Bachelor of Science Degree in Electrical Engineering from Stevens Institute of Technology and a Masters of Business Administration, specializing in Total Quality Management, from Dowling College.

David Horn joined McKissack & McKissack in March 2009 as a Senior Project Manager to serve as the lead manager providing overall responsibility for program management oversight (PMO) on the New York Metropolitan Transportation Authority’s (MTA) $1.2 billion Capital Security Program as part of McKissack’s Independent Engineering Consultant (IEC) contract with the MTA. The Security Program will enhance the security of the facilities and operations of the transportation network operated by the MTA and its subsidiaries and affiliates. Mr. Horn also provides PMO assessments of several other security-related MTA initiatives, including those associated with MTA’s “Mega” projects like the East Side Access and Second Avenue Subway projects.

Before joining McKissack, Mr. Horn performed over nine years of PMO consultant assignments for the MTA, as a Senior Project Manager for Carter & Burgess and Jacobs Carter Burgess, and for the Federal Transit Administration, as a Project Director with Fluor Corporation. Mr. Horn brings over 29 years of public sector railroad management and operating experience to McKissack as a result of his tenure with the Long Island Railroad (LIRR). He started his LIRR career in 1970 as a Junior Engineer inspecting electrical substations installations. Mr. Horn’s LIRR career included over 18 years experience in the management of up to 120 Operations Division personnel involved in the procurement, installation, and maintenance of railroad signaling systems; train operation control systems; and telecommunications systems that included telephone, radio, closed circuit television, security, voice, data, and signal carrier systems. His last 11 years at the LIRR were spent as a Senior Project Manager in the Capital Program Management group, responsible for managing over 27 projects covering several diverse disciplines. Mr. Horn’s primary focus during this time was on projects related to railroad signaling, communications and power improvements; rail vehicle modifications; design and installation of rail car simulators; design and installation of train information data management systems; design and construction of station modifications; compliance with federal “American with Disabilities Act” requirements; and railroad diesel and electric fleet replacements.

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Calendar of Events
(Mark your calendar)

Monday, January 11, 2010, 6:00 pm (poster on page 18)
Joint meeting of SAVE International Metro New York Chapter and IEEE PACE NY Section with a presentation by Bob Harvey, PE - Executive Director, Lower Manhattan on "New Frontiers in VE: VP + Risk + 3D BIM"
Location: Construction Command Center LMCCC Office, 1 Liberty Plaza (near Church St.) 20th Floor
Cost: $10 per person for light dinner (sandwiches, etc.)
RSVP required: michaudt@omb.nyc.gov or mizaak@URBANENGINEERS.com

Tuesday, January 12, 2010, 12:30 pm — 2:30 pm
NY Section Executive Committee (ExCom) Meeting
Location: Con Edison, 4 Irving Place New York, NY 10003
RSVP required: Paul Sartori sartorip@coned.com No walk-ins allowed for security reasons!
NY Section members are welcome to attend and should request attendance by emailing the chair at David.Horn@ieee.org

*Tuesday, January 19, 2010 1:00pm – 4:00pm ET
IBM Rational Smart Products Virtual Conference: Join IBM’s Chief Scientist, Grady Booch and other distinguished speakers as they explain how to model the complex systems that define today’s smarter products, and harness the power of software to differentiate your products in a challenging marketplace—boosting you ahead of the competition. Go to the IBM website to register using the following link http://alturl.com/5fhc

Thursday, January 21, 2010, 11:00am – 12:00pm

Sunday, January 31, 2010
Closing date to register for the Can YOU Change the World? student competition. For more information visit the Can YOU Change the World? website at http://www.ieeechangetheworld.org/.

Saturday, February 20, 2010
The 2010 NY Section Awards Dinner Dance honoring the Section's Awardees will be held on Saturday evening, February 20, 2010. Reservations for the affair may be made by completing the form on the back page and forwarding it to William Perlman at the address indicated before February 6, 2010.

* When space allows, non IEEE related items that are of interest to our readers will be posted in the Events Calendar.

NOTES FROM THE EDITOR
A year—and a decade—have come to an end, and I look forward to the next ten years. My best wishes for a good 2010 to you. Since there is great clamor for sustainability and renewable energy, the need for creative, inventive engineers will be at an all time high. Look on the next page for a company looking for project managers.

Darlene Rivera, Vice Chair of Chapter Operations for 2010 gets new and seasoned volunteers on the right path with information about training on page six. I invite all chapter chairs and affiliate group chairs to send me an introduction cv and your plans for the year 2010 to share with our readers. I was reminded of the potential impact of the IEEE when I saw the IEEE Code of Ethics on page 91 of Technical Communications, a textbook, written by John M. Lannon. I placed a copy on page six and on the website.

Further in this issue there are two short articles written by the 2010 Chair of the Life Member Chapter Amitava Dutta-Roy; the first a report on the U.N. Conference of Green-Tech and Sustainability; and an article about Life Member Gadi Kaplan. Matt Nissen reports on a Forum on Renewable Energy, hosted by the New York City College of Technology of CUNY.

In this first of the year issue I started an inside the back-cover section, opening with an ambitious recipe from Warner W. Johnston, who not only is an expert of Broadcast Technology Standards but also appears to be a serious chef. I think it would be a good idea to show the world that engineers lead multifaceted lives and have hobbies that inspire.

The IEEE NY Monitor now also has a LinkedIn Group. Please join and take part in the discussions. If you have an IEEE email address you will be automatically accepted, others need to request participation. Going forward many of the articles will also be places online.

I invite you to visit the website and tell me what you would like to be added. As always, I thank Camille Alma for her help; and all other contributors for their submissions. If you do not see your article in this issue, it will be in the February issue. I thank you for reading the IEEE NY Monitor.

Marlen K. Waaijer
Do you have questions concerning any of the above? The IEEE Publication Department provides a Tutorial on each topic. These tutorials are in PowerPoint format and can be downloaded from their webpage. http://www.ieee.org/web/publications/rights/tutorials.html

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WELCOME NEW OFFICERS
By Darlene E. Rivera—2010 Vice Chair of Chapter organization

As a reminder to all, all chapters, affinity groups, and Sub-sections need to provide a list of the 2010 officers for their associated chapters/affinity groups/Sub-sections by year end. If you have not already done so, please make sure to do it by the ExCom meeting of January 12th 2010.

Each group should communicate the slate of officers to the voting members of the group not less than two weeks prior to the election date. The term of office for all officers shall normally be one year, but shall not exceed two years.

Additional guidance on this process can be found in the: NY Section O&P Manual (link 1), in the NY Section ByLaws (link 2) or in the IEEE MGA Manual-January 2008 (link 3.)

In addition, IEEE recently has developed online training for newly elected officers. This is a useful tool in helping define the roles/responsibilities for new members (and existing members) in the NY Section.

QUICK START TRAINING (FOR GEOGRAPHIC UNIT LEADERS)
The MGA Leadership Training Initiative Ad Hoc Committee announced the release of the Quick Start Training for Geographic Unit Leaders (link 4), a new training program designed for Geographic Unit Officers in their first 30 days in office. Quick Start Training was developed to help new Officers more quickly understand the roles and responsibilities of their positions and the process of member engagement. Positions included in the initial launch of Quick Start Training are:

- Section Chair
- Section Vice Chair
- Section Secretary
- Section Treasurer
- Technical Chapter Chair

There are more training sections in the works, so bookmark the site and revisit occasionally. The release of the Quick Start Training acknowledges our Section leaders’ highest priorities as voted on at Sections Congress 2008 in Quebec City. Please refer to Sections Congress Recommendation #3 (link 5.)

Quick Start Training for Geographic Unit Leaders represents (link 6) the first of three phases of the IEEE Center for Leadership Excellence (CLE). The objective of the CLE is to be the resource for volunteer training and world class leadership development. Additional information about CLE training will be provided at a later date.

If you have any questions about the CLE or Quick Start Training, please e-mail MGA Staff at mga-admin@ieee.org

IEEE GEOGRAPHIC UNIT OPERATIONS
On the Geographic Unit Operations page you can find a plethora of information and forms that you will need to perform your tasks efficiently. See the right sidebar for the sections: What do you want to do? and Resources for Volunteers. You will find information on

- recruiting volunteers
- recognizing volunteer contributions
- Section Congress
- reviving an inactive Section or Chapter
- promoting IEEE Membership
- IEEE student Concourse

Links mentioned in the article:
1. ewh.ieee.org/r1/new_york/BYLAW.doc
2. ewh.ieee.org/r1/new_york/OPDraft9.doc
4. ./web/geo_activities/units/officer_training/quick_start.html
5. ./web/volunteers/sections-congress/2008/sc08-recommendations.html
6. ./web/geo_activities/units/officer_training/quick_start.html
7. ./web/geo_activities/units/officer_training/index.html

IEEE Code of Ethics

WE, THE MEMBERS OF THE IEEE, in recognition of the importance of our technologies in affecting the quality of life throughout the world, and in accepting a personal obligation to our profession, its members and the communities we serve, do hereby commit ourselves to the highest ethical and professional conduct and agree:

1. to accept responsibility in making decisions consistent with the safety, health and welfare of the public, and to disclose promptly factors that might endanger the public or the environment;
2. to avoid real or perceived conflicts of interest whenever possible, and to disclose them to affected parties when they do exist;
3. to be honest and realistic in stating claims or estimates based on available data;
4. to reject bribery in all its forms;
5. to improve the understanding of technology, its appropriate application, and potential consequences;
6. to maintain and improve our technical competence and to undertake technological tasks for others only if qualified by training or experience, or after full disclosure of pertinent limitations;
7. to seek, accept, and offer honest criticism of technical work, to acknowledge and correct errors, and to credit properly the contributions of others;
8. to treat fairly all persons regardless of such factors as race, religion, gender, disability, age, or national origin;
9. to avoid injuring others, their property, reputation, or employment by false or malicious action;
10. to assist colleagues and co-workers in their professional development and to support them in following this code of ethics

Approved by the IEEE Board of Directors February 2006
TALENTS IN OUR MIDST
By Amitava Dutta-Roy

Talents often lurk in our midst and we fail to recognize these natural gifts until others point them out. I am happy to tell you today about such a talent who is a Life Member of our own IEEE NY Section. His name is Dr. Gadi Kaplan.

Gadi Kaplan (center) with fellow singers

Gadi is an electrical engineer who obtained his Doctor of Science (D.Sc.) degree from Technion—Israel Institute of Technology, Haifa. Early during his high school days, Gadi developed a deep appreciation for music. He was able to organize a choir among his classmates and conducted the choir very ably for several years. He subsequently discovered that he really loved to compose his own music. But in this world of ours creating music is of little or no help in the battle for survival.

Gadi thus decided to concentrate his energy in writing about technology and joined the staff of the IEEE Spectrum and soon became the Senior Technical Editor, a position he held for many years. I had the pleasure of working with him when, in the good old days, I used to write articles and reviews for that magazine. Gadi was the staff editor for a couple of my papers.

Gadi retired from the Spectrum and we lost touch until we met again one evening at a Signals Networking Happy Hour meeting (thank you, Matt Nissen). Since then we have been meeting regularly and we talk a lot about music (I am also a music lover, but for listening only). Gadi told me that after his departure from Spectrum magazine he devoted a great deal of his time to music composition. His knowledge of electrical engineering and computer surely came in handy. To help him in his music composition Gadi uses a program known as Sibelius. (If you want to know more about computer software assisted composition you are welcome to read my article on the subject in the May 2008 edition of the IEEE NY Monitor, page 7.)

Gadi is still busy with his music composition (Life Members please note that a post-retirement active and productive life indeed exists!) His musical piece “Sounds of Hanukkah” (an orchestral arrangement of mostly traditional Hanukkah tunes) had its world premiere as it was performed by the Astoria Symphony Orchestra at the Church of Resurrection, in Manhattan in December 2008. Some of his other compositions have been recorded in Tel Aviv. He sings jazz with the Uptown Sound vocal group in New York and I had the privilege of attending one of their free public concerts at Theodore Roosevelt Park by the American Museum of Natural History last summer.

Gadi divides his time between New York, Detroit, and Tel Aviv (the last two places with his son and daughter respectively). The link below will take you to YouTube where you can watch and listen to a wee bit of Astoria Symphony’s rendition of “Sounds of Hanukkah”. By the way, the software Sibelius is named after Jean Sibelius (1865 – 1957), the famous Finnish composer. Link to YouTube: www.youtube.com/watch?v=RhRZfoFvgjE

Amitava Dutta-Roy is the chair of the Life Members affiliate group. You can email him at a.dutta-roy@ieee.org

IEEE TECHNOLOGY MANAGEMENT COUNCIL
By Marlen K. Waaijer

At the 2009 ExCom Election David Weiss was appointed as the 2010 Chair of the NY Section Technology Management Council Chapter.

If I had to name one Society of the IEEE that needs reviving it has to be the IEEE Technology Management Council (ITMCC), and David Weiss might well be the man to do it.

When David told me that he was appointed as the 2010 chair for the NY Section Technology Management Council Chapter I set out to learn more about the council and after several attempts, it became clear that not much has happened with the council since its inception in 2008, when it as created.

After a search on the IEEE website I was not much the wiser. What I found was the site for the Engineering Management Society (EMS) website (ewh.ieee.org/soc/ems/) which does not seem to be updated since 2008. More probing brought me to Charles Rubenstein, who is Vice President Conferences of the IEEE Technology Management Council (2009-2011) who gave me the following information: The council was created in 2008 by 14 Societies who are now the members of the council. Members of each Society cannot be a member of the TMC as such, but they are automatically members of a local TMC Chapter.

The 14 member societies are: Broadcast Technology, Circuits & Systems, Communications, Computer, Electromagnetic Compatibility, Electron Devices, Industrial Electronics, Lasers & Electro-Optics, Professional Communication, Reliability, Signal Processing, Solid State Circuits, Systems Man & Cybernetics, Vehicular Technology. So there you have it, as it turns out I am a member of two of the TMC member societies, namely Professional Communications and Computer. It would have been nice if they had told me. Now that David Weiss is in charge of the local NY Section Technology Management Council Chapter, I look forward to learning more, and I will keep you posted.

Are you happy with your Society? If not, why not step up and do something about it. Become an active volunteer!
NEW YORK STATE—A HOTBED FOR RENEWABLES!

By Matthew B. Nissen

On Saturday, October 24th, I attended the "Urban Energy Forum: Incentives and Training" at NYC College of Technology of CUNY (NYCtech) in downtown Brooklyn. I brought along my father Morton because he shares my passion for energy efficiency, and as a homeowner he wanted to learn more about incentives for Solar Photovoltaic (PV) installations. Unfortunately my folks have an A-frame roof that slopes east/west, dramatically extending the payback period to the point where it doesn’t make sense. Additionally, from a presentation to be given by EM Power to the Long Island PES/IAS chapter, the average solar irradiation for the NY metro area is 1226 full-sunlight equivalent hours. Given there are 8760 hours in a year, this equates to a plant capacity factor of ~15%; this is terrible in terms of economics.

The overall forum was very informative, if not a little too optimistic. Debra Salomon [Green Program Specialist at the City Tech Division of Continuing Education] stated that the amount of incentives currently available are at the highest point in history; however these may not be available for long—given the state of the economy and decreased tax revenues. Some of the information was vague, but details are available online. It turns out that NY State has a decent potential for both small scale wind and solar installations, but with over 90,000 buildings in NYC alone this means that it would be a logistical nightmare to get many of these systems installed. CUNY and the NY State Energy Research and Development Authority (NYSERDA) have training programs available for a range of renewable and efficiency projects. The mission of the Center for Sustainable Energy (CSE), located at Bronx Community College of CUNY, is to promote and implement the use of sustainable and efficient energy technologies in urban communities through education, training, workforce development, research, and project facilitation. The CSE coordinates this effort, with courses delivered at multiple CUNY colleges, including Bronx Community College, Kingsborough Community College, LaGuardia Community College, New York City College of Technology, and Borough of Manhattan Community College.

Incentives come in a variety of forms; direct subsidies to NYSERDA-approved installers, low-interest loans to owners, tax credits that are non-refundable and difficult to value, utility rebates (LIPA example fine print "Systems should be sized to not exceed annual electricity consumption in kWh"), and federal production tax credits.

You may or may not receive the tax incentives during tax filing, while Grants and Rebates often take six months to process. There are clearly economies of scale, it’s more expensive per kW to build small residential systems, but there are so many homes compared to any other facility type having a higher aggregate potential to produce energy. The suburbs of NYC and Long Island have many low build-ings that have large, flat roofs—ideal for solar PV systems—especially if the panels can be oriented to the south at a low angle. There are greater incentives for multifamily and commercial buildings because there would be a higher payback and owners of larger buildings can take advantage of these programs and coordinate facility upgrades. The example used by Debra Salomon was as follows: A typical single-family residence of 2000 square feet, would require a solar PV installation of ~4kW:

- Total system cost $35,000 (~$8.75/W)
- NYSERDA Grant ($10,000) ~30% cost
- LIPA Solar Rebate ($7,000) $3.50/Wdc
- Federal Personal Tax Credit (PTC) ($6000 ) 30% of qualified costs
Total estimated cost for homeowner: $12,000 (~$3/W).

In reality, this lowers the utility supplied energy (saving $1400 per year). However, most owners do not have a high enough tax liability to take advantage of the federal PTC—the upfront cost would be $18,000 having a estimated 13-year simple payback, not including interest on the loan if you took it. Some municipalities have programs where the homeowner makes monthly payments only, making it easier to exchange the property and costs. The major costs are the PV modules (silicon based) and the contractor’s time for installation and administrative work (rebates, tax credits, utility interconnection agreement, sometimes taking up to 6 months!).

It would be great if this administrative process could be streamlined. The falling price and the increasing efficiency of solar cells can improve the payback dramatically. This is one area where NYSERDA has room for improvement. They should also encourage research for renewable systems with higher efficiency; 20% solar PV does not work well in the northeast, especially with the GWhs needed to run a metropolis like NYC.

There are some great incentives for wind ($1/W) and other projects such as green roofs and geothermal projects, which were not mentioned during the presentations. I think many homeowners are interested but don’t have the time to do the research—this should be part of the municipality’s duties. The mix-match of incentives and resources in [the Database of State Incentives for Renewable Energy] (DSIRE) is great, but for the average Joe it is still very complicated and time consuming.

In conclusion, as the green economy grows, New York will be well positioned to provide services and expertise. From looking at lists of NYSERDA-approved installers online, however, most of them are located upstate—leaving a lot of room for growth of local New York City and Long Island contractors and consultants. CSE is affiliated with Carbon Reduction groups like [350, an organization founded by Bill Bicken, author of The End of Nature] http://www.350.org/.

As an engineer I don’t see any practical solutions to the carbon dioxide issue, nor do most scientists conclude...
### REVIEW COURSE FOR THE PE EXAMINATION

#### Mechanical Engineering

<table>
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<tr>
<th>Strategy</th>
<th>1 Class</th>
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#### Civil Engineering

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<td>3/24/2010</td>
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### REVIEW COURSE FOR THE PE EXAMINATION-MECHANICAL ENGINEERING

#### All multiple choice, no choice, breadth/depth exam

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### REVIEW COURSE FOR THE PE EXAMINATION-ELECTRICAL ENGINEERING-POWER

#### All multiple choice, no choice, breadth/depth exam

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**Course Location:** (Please circle)

**Long Island**, **NYC**, **Westchester**

**Tuition includes non-refundable $30 registration fee**

- Fundamentals of Engineering Review: $875
- PE Review for Civil Engineering: $825
- PE Review for Mechanical Engineering: $795
- PE Review for Electrical Engineering: $795

**Method of Payment:**

- Check (enclosed)
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**www.percinc.com**
CONFERENCE OF GREEN-TECH AND SUSTAINABILITY
A report by Amitava Dutta-Roy, Ph.D. LM Chapter Chair

In October last I had the privilege of attending a day-long conference on Green-Tech and Sustainability at the U.N. Secretariat organized by AIT Global Inc.—an organization that offers seminars on professional development in networking for management and IT practitioners. (David Weiss, our immediate past chair was also present.) The objective of the seminar, sponsored by Cisco Systems, Symantec, EMC, Dell Computers and CIO Magazine, was to disseminate information on the latest technologies that can help to reduce energy consumption at data centers of large corporations, public organizations and educational institutions. Obviously, the sponsors had vested commercial interests in the topic. I suppose many would thus scoff at the idea of such company sponsored conferences. However, it was indeed satisfying to know that the companies so active in information technologies also have sustainability as one of the principal objectives while developing their new products. What would we do if these big corporations did not develop the energy-saving technologies?

Now that Pandora’s box is open we can no longer do practically anything in life without some degree of information technology. The trick now would be to develop products that can help us sustain the ecological balance of our planet as well. It was also pretty clear from the papers presented at the conference how clever algorithms for data storage and virtual computing can save energy and dollars. The conference was convened by Mr. and Mrs. Mike Lackey of AIT and opened by H.E. Sylvie Lucas, Ambassador and Permanent Representative of Luxembourg to the U.N. and the president of the United Nations agency for economic and social development, the United Nations Economic and Social Council (ECOSOC). Ambassador Lucas is personally interested in ecological sustainability and she provided much data that showed the decline of the social responsibility in this respect. The conference ended with an appeal from Dr. Roberto Villareal, Chief of Branch, Socio-Economic Governance and Management Branch at the U.N. Department of Economic and Social Affairs for help from all—individuals and groups—in joining the global battle on sustainability. The Global Alliance for ICT and Development (G@ID) is a U.N. agency that coordinates the international efforts in this direction. If you are (and I think that you should be) interested please write to tedescol@un.org or gaid1@un.org. You can also call 1 917 367 4340.

RELEVANT WEBSITE ADDRESSES:

AIT Global Inc.: http://www.aitglobal.com
ECOSOC: http://www.un.org/ecosoc/

BERLIN MESSE 16TH - 20TH FEBRUARY 2010
Life Member Vincent Yurgan would like to team up with other interested members for a visit to the Berlin Messe in February 2010; there are a number of simultaneous trade fairs at that time. Enter any of the titles above in your search enter to find out more about the different events. Mr. Yurgan already has done considerable research.

The plan is to organize a meeting with IEEE Life Members in Berlin. If you are interested please contact the IEEE NY Monitor and we will make the connections.
"New Frontiers in VE: VP + Risk + 3D BIM"

SAVE International Metro New York Chapter Joint
with IEEE – PACE New York Section meeting

Date: Monday, January 11, 2010
Time: 6 pm
Place: LMCCC Office, 1 Liberty Plaza (near Church St.)
20th Floor Executive Conference Room
Speaker: Bob Harvey, PE - Executive Director, Lower Manhattan
Construction Command Center
Agenda: "New Frontiers in VE: VP + Risk + 3D BIM"
Price: $10 per person for light dinner (sandwiches, etc.)

The Speaker:
Prior to his current position in LMCCC, Mr. Harvey served as head of Washington Group and PACO Group in New York, after serving as Assistant Director Capital Program/Director of Value Engineering at the Port Authority of New York and New Jersey. While at the PA he introduced the concepts of Value Planning and the integration of Risk Assessment to the VE process. At LMCCC he has implemented these concepts and expanded on them with the use of 3D Visualization/Building Information Modeling as tools for coordinating and managing the post-9/11 redevelopment of Lower Manhattan. Mr. Harvey will share with us his real-time success stories and ideas, as well as provide a brief update of developments in Lower Manhattan.

Please join us! - Mark your calendar to hold the date!

Terry Michaud
Metro NY SAVE Chapter Secretary
Phone: (212) 788-6167
michaud@comcast.net

Marty Izask
IEEE – PACE Chair, New York Section
Urban Engineers of New York
Phone: 212-788-9100
mizask@URBANENGINEERS.com
Call for Papers

ICMIT2010 is the 5th International Conference on Management of Innovation and Technology, first initiated by the IEEE Engineering Management Society Singapore Chapter in 2000. ICMIT2010 intends to bring together scholars, industrialists, and entrepreneurs interested in improving their research and development, and business applications in innovation and technology management across a global network of diverse platforms. ICMIT2010 is jointly organized by IEEE Singapore Section and IEEE Technology Management Council.

Submit your paper now to www.icmit2010.org

Important Dates

1. Full paper must be submitted by 1 Jan 2010.
2. Authors will be notified of a decision by 1 Mar 2010.
3. For accepted papers, the final camera-ready paper is due on 1 Apr 2010.

Suggested Topics

- Technology Strategy and Management
- Innovation Policy and Management
- Technology Intelligence and Planning
- Entrepreneurship
- R&D Management
- New Product Development
- Process Innovation and Development
- Managing IT and E-Commerce
- Knowledge Management
- Intellectual Property Right and Patent Management
- Human Capital for Innovation
- Risk Management
- Project Management
- Supply Chain Management
- System Design and Engineering
- Six Sigma and Quality Management
- Service Innovation and Management
- Sustainable Development & Environmental Protection

Organizer

IEEE Technology Management Council
IEEE Singapore Section
IEEE Technology Management Council
PÂTÉ DE CANARD
A recipe from Warner W. Johnston

INGREDIENTS
- 4-5 pound duck, fresh if possible
- 2 pound boneless pork, fresh ground
- 1 pound dry cured ham, batons of about 3/8" x 3/8" x 3"
- 1 pound chicken livers
- 5 tbsp brandy or cognac
- salt and pepper
- mixed spices to taste
- 1 large egg
- 1/2 pound fresh pork fatback sliced into bards (mild bacon will do)

1. Bone the duck, reserving the meat and liver. Keep skin as intact as possible, do not remove fat. (If you can bone the duck without cutting the skin so much the better)
2. Combine duck meat, when possible in batons same size as dry cured ham, ground meats, seasonings and chicken livers with brandy and let marinate 2 hours.
3. Bind with egg.
4. Fry a small portion (or wrap in food safe plastic wrap and poach) and taste for seasonings, adjust as needed.
5. Stuff reserved whole duck skin with the forcemeat mixture, or wrap cut skin around it, and sew seam shut with butchers twine (or use tooth picks).
6. Place fatback strips (bacon) on duck back in chevrons.
7. Place in appropriate shaped and sized terrine.
8. Place in water bath (filled with hot water) in 350 F oven for 1 and 1/2 hours until internal temp above 150F.

Serve cold, best if made at least 4 days prior to service. Will keep up to 10 days and will freeze.

This recipe and additional images can be found on the IEEE NY Monitor website.

(Continued from page 8)

there is much we can do about it. The glaciers are melting, temperatures are volatile (like the price of gasoline), and well, to be honest I personally welcome a future where sustainability and energy efficiency are encouraged—some mandates will be necessary, but over the long term inefficient processes and companies will not last. Unless of course were talking about the US Federal government.

Online Resources:
- Presentation slides are available for download at: https://www.ieeecommunities.org/ieee.ny?go=2262684
- DSIRE: http://dsireusa.org
- NYSERDA
- NYSERDA Power Naturally:
  http://www.powernaturally.org/
- CUNY Center for Sustainable Energy:
  http://www.csebcc.org/
- The Institute for Sustainable Cities CUNY:
  http://www.cunysustainablecities.org/

Matthew B. Nissen received his BSEE from Polytechnic University of Brooklyn in 2003. His senior project was entitled “Hybrid Solar Wind Generation”, and he continued to study sustainable development through various NYC- based professional organizations. While at Cosentini Associates he worked on various sustainable commercial design projects in major cities around the world. He works currently with Sigma Energy Solutions, a Division of Astitom, developing industrial/power plants and infrastructure projects.
As an active volunteer he was chair of Consultants Network and Public Relations in the IEEE NY Section, and he founded the IEEE-NY Online Community
He is currently the Vice-Chair of the PES/IAS Long Island Chapter. Nissen is a registered Professional Engineer in the State of New York.

Tickets are still available for the NY Section 2010 Awards Dinner Dance

The 2010 NY Section Awards Dinner Dance honoring the Section’s Awardees will be held on Saturday evening, February 20, 2010.
Reservations for the affair may be made by completing the coupon on the back page and forwarding it to William Perlman at the address indicated before February 6, 2010.
THE NEW YORK SECTION’S
2010 AWARDS
DINNER DANCE

The 2010 NY Section Awards Dinner Dance honoring the Section’s Awardees will be held on Saturday evening, February 20, 2010.

This year, our dinner dance (black tie optional) will be held in the beautiful Trianon Ballroom, located on the third level (coat check is on the second) of the New York Hilton Hotel and Towers at Rockefeller Center, 1335 Avenue of the Americas (between 53rd and 54th Streets).

Festivities will begin at 6:30 P.M. with crudités and cocktails in the Petite Trianon. Here we will have a chance to relax, get acquainted and reacquainted.

You will have the opportunity to pamper your palate with a choice of either a succulent meat or a delicious fresh fish steak. Each gourmet entree will be accompanied by an appetizer, salad, and dessert.

There will be a brief awards ceremony after dinner and dancing to the sounds of the Dance Fever Orchestra.

For those wishing to spend the night, hotel reservations may be made on-line at various web service providers or directly with the hotel at 212-586-7000. There are no special arrangements made for parking.

Reservations for the affair may be made by completing the coupon below and forwarding it to William Perlman at the address indicated before February 6, 2010. Corporate supporters: Table of 10 at $1900.00

A special non-transferrable rate of $100 for each ticket is available to IEEE members.

Note that this rate is for the attending IEEE member and a guest only.

Organizations wishing to be Industry Supporters or non-IEEE members may obtain additional information and cost by contacting:

Ralph Tapino  (718) 761-5104 - raltap@aol.com
William Perlman  (973) 763-9392 - w.perlman@ieee.org

RESERVATION FORM

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Amount Enclosed $

MAKE CHECK PAYABLE TO: IEEE, NY Section