

## CLASSIFIEDS

December  
12/06/2014

PACE

[How to Start and Expand a Successful Consulting Practice](#)

12/09/2014  
IEEE-Chicago Section  
[Board Meeting](#)

12/10/2014  
PES (Luncheon)  
[Trans-Coil](#)

12/10/2014  
EMC  
[Holiday Party](#)

## Chair's Corner

By Vickie L. Peters; Chicago Section Chair

Greetings from the Chair: Last month's edition of eScanfax included the second of a three part series on ERP. I would like to deviate from the scheduled series this month. [\[MORE\]](#)

## Explore the Future

The Explore the Future Technical Symposium & Exhibition was held at Motorola Solutions in Schaumburg. Inviting IEEE-Chicago Section Members as well as Electrical Engineers, suppliers, manufacturer's representatives, and vendors throughout the area for discussion on current trends in the industry. [\[MORE\]](#)

## Live to Win

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The IEEE-Chicago Section Chapter of the Electromagnetic Compatibility (EMC) Society recently hosted Dr. Gary Blank, Founder of the IEEE Chicago/Rockford Consultants Network, current IEEE-USA President, and previous National Chair for the Alliance of IEEE Consultants Networks. [\[MORE\]](#)

## Chair's Corner

By Vickie L. Peters; Chicago Section Chair



## Greetings from the Chair:

Last month's edition of eScanfax included the second of a three part series on ERP. I would like to deviate from the scheduled series this month. I had the pleasure of attending the PES/WIE event that was held at Terzo Piano Restaurant, located in the Art Institute on Thursday, November 20. Brenda Fierro (past PES Chair) hosted the brainstorming session that was also attended by the Chair of WIE, Jannette Street. I am proud to say that there are very good plans for PES and WIE as a joint venture initiative...and the venue was not a bad choice, not too shabby, I might add.

As I sat and listened to future plans, I could not help but think that this was collaboration at its best. Not only was the discussion informative, it was creative to say the least. I think that one of the biggest highlights of the meeting was the attendance of an IIT student. I met the student earlier in the week while on a speaking engagement for the IIT student chapter. She approached me after the lecture and asked how she could become more involved with IEEE. I invited her to attend the PES/WIE meeting as my special guest since she is pursuing a Master's degree in Power Engineering. As professionals, we lead by example in the IEEE. A small act of consideration goes a long way. It was easy to spot that she was enthusiastic and honored to be in attendance of other influential women in the Power Engineering discipline. I wish to congratulate Brenda on a job well done. The Chicago Section and I look forward to seeing the fruits of PES/WIE.

Tune in the next eScanfax for the final session on ERP.

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A special thank you to Platinum Patron Northwestern University's McCormick School of Engineering as well as Gold Patron's AR/RF Microwave, Teledyne LeCroy, Elite Electronic Engineering, and ANSYS. Visit the [Explore the Future](#) Facebook page for featured videos from Patrons, Exhibitors, and Presenters.

Featuring keynote Fred Hoch, President of the Illinois Technology Association the day brought out thought leaders in academia, industry, not-for-profits and HR. Positioned as a snapshot into the future of the profession, the Explore the Future Technical Symposium & Exhibition featured tracks including:

- Career & IP
- Skills & Tools
- Frontiers R&D
- Current Trends

The planning committee, wishes to thank the Patrons, Exhibitors, Speakers, Volunteers and Attendees for contributing to the success of the event.

Chair, John Zulaski  
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 Program, Dr. Nachappa "Sami" Gopalsami  
 Exhibits/Patron Chair, Martin McCoy  
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 Registration Chair, Wahhaj Irfan  
 Registration and Arrangements, Brian Kidd

We are meeting shortly to discuss the 2014 event as well as consider future IEEE-Chicago Section Technical Symposia. If this sounds like something you would be interested in volunteering for, reach out via social media at the [Explore the Future](#) Facebook page and let us know your interest.

#### Live to Win

Steve Werner, author, business man, life coach shared, "You are one handshake away from meeting someone who can change your life." While not forgetting the impact one's own attitude and effort have on success, Steve stressed his enjoyment derived from learning everyone's story.



A former commodities trader on the Board of Trade, Steve's career has taken a circuitous route to his current profession. Technology almost eliminated his position at the Board of Trade so he took over the family remodeling business with his younger brother. After suffering through the potential breakup of the business his father built from scratch, Steve turned an idea into over \$500 million in short term funding for rehab loans to high credit individuals. Through multiple ups and downs, Steve developed a can't lose strategy which he shared to the IEEE-Chicago Section's Professional Activities

Committee for Engineers (PACE).

Steve stressed;

Know your story – Who are you? Where did you come from?

Never Be Satisfied – Satisfaction is an invitation to mediocrity, Always Be Better!

Draw the Line – Take a realistic look at your life, what is working? More importantly, what isn't? Draw a line and list out these things in your life.

Give the Gift – Don't let others' stress bog you down, Give the Gift by letting them know their impact and turning it back on them.

Along with speaking and coaching, Steve has authored, '[The Titan](#)' – A Business Parable with Time Travel.

Steve engaged the audience, enabling a dialog on topics that were essential to an understanding of what we're truly able to accomplish. Steve is the founder of Live To Win Coaching for more information about Steve, visit [www.LiveToWinCoaching.com](http://www.LiveToWinCoaching.com).

The next meeting of the IEEE-Chicago Section's PACE will be December 6<sup>th</sup> featuring IEEE-USA President Gary Blank will present on, '[How to Start and Expand a Successful Consulting Practice](#).'

## Distribution Automation

Distribution Automation (DA) is part of today's evolution of the distribution system. Many utilities already have some DA applications (e.g., remote controlling of feeder switches and breakers, automatic reconfiguration, fault detection, fault location, voltage and reactive power control, Advanced Metering Infrastructure, etc.) and the trend is undeniable and expanding.

Modern protection technology provides capabilities that can be used to optimize network operation in coordination with DA applications. Certain DA application deployments impact the system configuration and therefore may have some impact on protective relaying.



The IEEE Power System Relaying Committee (PSRC) Working Group D11 (WG D11) was charged with producing a paper describing how various schemes can affect relaying, describing the effect on relay applications and settings, and concluding with the impact on system maintenance.

The paper explored the effect on protective relaying when DA is applied on a primary, non-network, distribution system. Here, DA is defined as the sectionalization and reconfiguration of distribution circuits, including the use of automatic or remote-controlled transfer switches, line reclosers, fault interrupters, sectionalizers, and/or automated capacitor controls. Line fuse operation may be impacted after reconfiguration, therefore, the consequences of a misoperation are considered.

The working group that assembled to create this report represents diverse viewpoints from across the continent and input from system operators, product developers and solution consultants. The advantages that this team brings to the paper are not only a subject matter depth but also a subject matter breadth making this a comprehensive treatment of the effect of Distribution Automation on protective relaying. Kevin Donahoe, a member of the group presented to the IEEE-Chicago Section's Power Energy Society.

Mr. Donahoe has spent the last 33 years working in the electric utility industry. The last 30 of those years have been spent testing, installing, trouble shooting, specifying, setting, standardizing, designing, documenting, and reviewing protection and control schemes. He spent 20 years with Commonwealth Edison before moving to GE. Though the majority of his experience has been with transmission and distribution substations, he has significant experience with generation protection and distribution protection. He received his BSEE from the Illinois Institute of Technology in 1981 and in 1993 received an MBA from Lewis University. Presently, Mr. Donahoe is the Lead Protection Engineer for the GE Digital Energy office in Oakbrook Terrace, IL. Mr. Donahoe, an IEEE senior member, is a member of the IEEE PSRC Main Committee and its Relaying Practices Subcommittee and is active in the IEEE Standards Advisory. He is a licensed professional engineer in 5 US States.

The next meeting of the IEEE-Chicago Section's Power Energy Society will be a luncheon meeting on December 10<sup>th</sup>. The topic will be on Trans-Coil and will feature Ashish Bendre, President & COO at TCI, LLC. Please make your reservation via the Online Reservation Form on the meeting announcement page at <http://peschicago.org>.

## Give Your Consulting Practice a Professional Web Presence

A joint Affinity Group of the Chicago and Rock River Valley IEEE Sections, the IEEE-Chicago Section's Chicago/Rockford Consultant's Network exists to share ideas relevant to consultant's as well as member professionals of the IEEE.



Consultants need to have a professional online presence. If you were going to a job interview you would dress appropriately, the same is true for your web presence. Websites are now in the 3rd generation and embracing the latest advances is critical to a professional presence on the web.

As Founder & Principal Consultant Stratus Concept LLC, Pete Salerno helps small businesses in the Chicago area migrate their applications and communication services to cloud-based infrastructure. Pete Salerno is an IEEE Sr member. Pete has over 30 years of experience in computer systems & software, telecommunications, and avionics holding a wide range of positions from hardware and software design & development engineering, project management, pre- and post-sales engineering, product marketing, business development, and strategic alliance management.

Using existing sites as examples, Pete was able to demonstrate the difference in how sites are presented across devices, including desktops, tablets, and mobile phones. Pete demonstrated a basic build of a modern web presence using Wordpress. Pete also discussed how to make the site an active part of your business through connection with

Social Media and Customer Relationship Management (CRM) tools.

Do you know that networking is responsible for most professional jobs? Do a friend a favor; invite him/her to a meeting. There is no admission fee. The next IEEE-Chicago Section's Chicago/Rockford Consultant's Network will meet again on 01/19/15. Don't forget to bring business cards for networking! Attendees may earn 1 PDH.

For more information visit the Consultant's Network [website](#).

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The IEEE-Chicago Section Chapter of the Electromagnetic Compatibility (EMC) Society recently hosted Dr. Gary Blank, Founder of the IEEE Chicago/Rockford Consultants Network, current IEEE-USA President, and previous National Chair for the Alliance of IEEE Consultants Networks.

Dr. Blank has successfully divided his professional career between industry and academia. After graduating with a Ph.D from the University of Wisconsin, Madison he worked as an employee for Honeywell Aerospace, Litton Guidance & Control, and Unisys Systems in the area of controls and electronics.



Dr. Blank presented a history of the groups preceding the IEEE including the AIEE and IRE. He shared names like Edison, Tesla, Bell and Steinmetz to name a few. People who have left their mark in the industry. He questioned the group on the importance of things like:

- Keeping Technically Current
- Professional Networking
- Continuing Education
- Discounts, Recognition, and More

IEEE-USA wants to provide professional services to fit the needs of a growing membership. Feedback from members is essential. The existing opportunities currently provided by IEEE-USA were discussed and reviewed. Followed by a discussion on how the EMC Chapter can be effective in implementing their new hands-on education approach through IEEE-USA.

The EMC Society will host their annual Christmas party on December 10<sup>th</sup> at Maggiano's in Schaumburg. To learn more about the event visit: [www.emcchicago.org](http://www.emcchicago.org).

Dr. Blank will also be in the area presenting again on December 6<sup>th</sup>. Dr. Gary L. Blank, will be speaking on '[How to Start and Expand a Successful Consulting Practice](#).' In particular he will cover: how to get started in consulting, full-time or part-time; how to set fees and how to win the contract; how to be an entrepreneur and leverage professional membership/affiliation; and how consultants find clients and how they are found by clients.

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