



Philadelphia Consultants Network

Philadelphia IEEE Chapter of the Year!!!

**Tricks of the Trade: Electronics Problem Solving Techniques for Lab and Field
Presented by Jonathan Allen of RF Electronics Consulting**

Date: Tuesday 2011 March 1

Place: Sheraton University City, 36 & Chestnut Streets, Philadelphia PA 19104

Sign-in, Dinner and Meeting: Fairmount Suite – downstairs from main lobby

Free Parking: Sheraton indoor garage – entrance on 36th Street. Have your garage ticket stamped at sign-in for free parking.

Dinner: 6:15 PM (Networking/Social time starts at 5:30 PM)

Program: 7:00 to 9:00 PM

The IEEE Philadelphia Consultants Network (CONET) is an Affinity Group of the IEEE. The CONET mission is to grow our consulting businesses by sharing our knowledge through technical and business networking. Our Web site is www.PhilaConet.com.

Meeting updates will be sent by e-mail: Be sure your current e-mail address is in our records. If in doubt, confirm your current e-mail address to CONET.Phila@IEEE.org. You do not have to be an IEEE member or a CONET Member to attend this meeting.

Show and Tell: Two CONET members will each demonstrate their 3-minute pitches to prospective clients. The audience will critique both their content and their presentations.

Main Speaker: Jonathan Allen, of “RF Electronics Consulting”

This brilliant, experienced and witty Electrical Engineering Consultant will share his experiences and knowledge gleaned from decades of solving a wide range of problems in various EE disciplines and for various types of clients. His talk will be entertaining as well as informative as he shares his personal anecdotes of challenging technical problems (and challenging clients), problem solutions, successes and failures.

Main Speaker’s Abstract:

As consultants, we often need to make, fix or modify electronic equipment in the field. We also have to build one-of-a-kind devices in the lab. This talk will draw on the speaker’s 50 years of experience to suggest practical solutions to those problems. Topics covered include:

1. How to make up the exact part you need from the parts you have on hand
2. How to modify existing instruments to meet the measurement problems you encounter.
3. Breadboarding and prototyping techniques.
4. Improvising or creating special tools in the field.
5. Shortcuts in fabricating circuits and mechanical parts such as chassis and enclosures.
6. Overcoming difficult or tricky soldering problems
7. What to pack in your field kit.
8. Other ideas that the audience may wish to share.

March 1, 2011 CONET Meeting Announcement, Continued

Main Speaker's Bio: Jonathan Allen, PhD is an applied physicist by training but his 50-year career has been in electronics R&D with an emphasis on RF power applications. He is a craftsman as well as a scientist, designing and building specialized RF equipment and custom instrumentation for his own lab, and for the labs and production facilities of clients. His patents and publications are mainly in solar photovoltaics and atmospheric analysis instruments. He has been a member of CONET since shortly after its founding.

Admission, Reservations and Payment

Admission Fees			
	CONET Members	IEEE Student Members	Others
A: With Dinner	\$30	\$40	\$40
B: Meeting-Only	FREE	FREE	\$15

A: With Dinner: Advance reservations and advance payment required.*

- 1) Reserve by sending e-mail to CONETtreasury@gmail.com. Include name and phone number. State your choice of beef or vegetarian entrée.
- 2) You will get an email confirmation with instructions to pay by check or credit card.
Payment by check must be received no later than Monday, February 21, 2011.
Credit card deadline is Friday, February 25, 2011.

* Why, you may ask, do we now require advance payment, when we previously accepted payment at the door? The frank answer is that we have fewer officers and volunteers than before, with only limited, time to donate. Requiring advance payment adds a small burden to you, our audience, but relieves a large burden from our volunteers. I hope you will understand.

Menu:

Appetizer: *Seared Scallops Chilled Seaweed Salad*
Entrée Choices: **Either A:** *Filet Mignon with a Cabernet Demi Glaze*
Or B: *Linguini, Tofu, Garden, w/Vegetable in a Teriyaki Glaze*
(Both Choices Include Fresh Rolls and Brewed Starbucks Coffee)
Fresh Vegetable: *Herat Verts*
Potato: *Roasted Red Potato*
Dessert: *Italian Rum Cake*

B: Meeting-Only: Reservations preferred. Walk-ins accepted if space available.

- 1) Reserve by sending an e-mail to CONET.Phila@IEEE.org. Include your name and phone number.
- 2) You will get an email confirmation with instructions to pay by ~~check or~~ credit card.
- 3) Advance payment not required for meeting-only admission. Check or exact cash accepted at sign-in. (No credit card payment at sign-in.)

Questions about this meeting can be directed to Robert Peruzzi at (610) 462-3939 or by e-mail to Peruzzi@RPeruzzi.com.