



RE-ARCHITECTING THE WIRELESS TELECOM SYSTEM

Presented by Baw Ch'ng of Bawman LLC

Date: Tuesday evening, 2012 March 6

Place: Sheraton University City, 36 & Chestnut Streets, Philadelphia PA 19104
Fairmount/Franklin Suite – downstairs from main lobby

Free Parking for CONET Members* : Sheraton indoor garage – entrance on 36th Street.
Take your garage ticket, and have it stamped when you sign in to the meeting.

Networking/Social time: Starts at 5:30 PM

Dinner: 6:15 PM (Be sure to allow for rush-hour traffic.)

Program: 7:00 to 9:00 PM

The IEEE Philadelphia Consultants Network (CONET) is an Affinity Group of the IEEE. Most Members are electrical or computer engineers. The CONET mission is to share knowledge through technical and business networking. Details are on the Web site www.PhilaConet.com.

Open: You do not have to be an IEEE member or a CONET Member to attend this meeting.

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.

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.

REAL-WORLD PUZZLER: One senior Member will pose a challenging consulting problem taken from the real world. He will respond to questions from the audience but will withhold the actual solution until later in the program.

MAIN SPEAKER: Baw Ch'ng, President of Bawman LLC

Bawman LLC's mission is to create and commercialize innovative wireless broadband access technologies, mobile applications, and associated networking technologies, and to provide strategic consulting services to commercialize and standardize such technologies. Baw Ch'ng is a pioneer and specialist in femtocell (small cell) technologies, and an expert in mobile broadband technologies, wireless standards, and network system architecture.

Main Speaker's Abstract:

Re-Architecting the Wireless Telecom System

– making it bigger, faster, cheaper, & smaller, all at the same time.

From delivering wireless telephone calls to delivering wireless data (Internet) services at ever higher speeds, the author will take the audience through the business drivers for and engineering responses, reasoned from first principles, to re-architecting the wireless telecommunications system to support ever richer set of applications, ever bigger capacities, ever faster data speeds with ever lower costs, ever smaller cells, and ever smaller equipment footprint. Emphasis is given to the latest trend of miniaturizing cells (small cell, microcell, picocell, femtocell, etc.) as a way to deliver higher capacity at lower cost. The author will lead the audience, by reasoning from first principles, to “discover” what the major challenges are, and what the proper engineering responses may be along the way of cell miniaturization.

Admission, Reservations, and Payment

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

A: With Dinner (Buffet Style): Reservations and advance payment are required.

- 1) Reserve by sending an e-mail to **CONETtreasury@gmail.com**. Include your full name and telephone number.
- 2) You will get an e-mail confirmation with instructions for paying by check or credit card.
- 3) Advance payment is required to reserve space for dinner.
- 4) Payment by check must be received no later than Wednesday, February 29, 2012. The credit card deadline is Friday, March 2, 2012.

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

- 1) Reserve by sending an e-mail to **CONETtreasury@gmail.com**. Include your full name and telephone number.
- 2) You will get an e-mail confirmation with instructions for paying by check or credit card.
- 3) Advance payment is not required for meeting-only admission.
- 4) Check or exact cash is 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**.

* For information on becoming a member, you may go to <http://www.philaconet.com/whyjoin.php>