

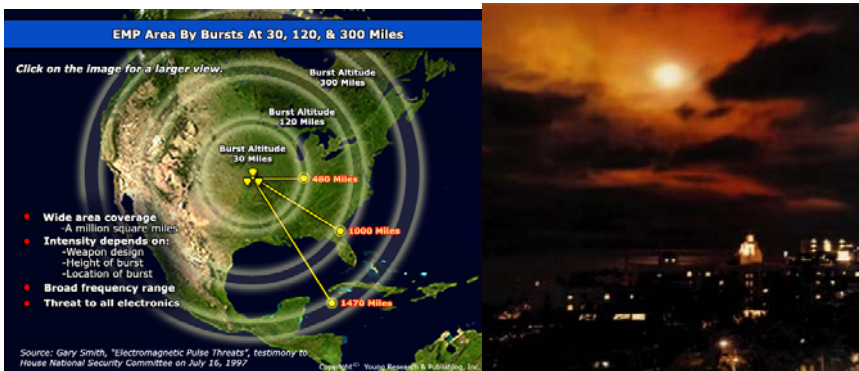


The Durham Engineers Club Cordially Invites You
to our Thursday, March 17, 2016 Meeting

Electromagnetic Pulse: How Is It Created and How Do We Protect Against It?

featuring guest speaker

Col (R) Jay Stobbs, PE



[***Register Now!***](#)

You can now pre-pay with a credit card or PayPal account as you register!

Meeting time is at 6:00 pm.

When

Thursday March 17, 2016 from
6:00 PM to 8:30 PM EDT
[Add to Calendar](#)

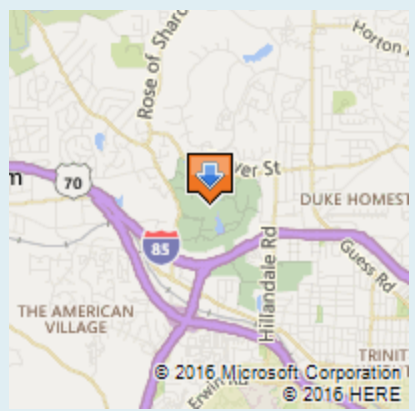
Where

Croasdaile Country Club
3800 Farm Gate Ave
Durham, NC 27705

Dear Fellow Professional :

Please consider this special invitation to attend our regular monthly meeting on Thursday, March 17, 2016 from 6:00 to 8:30 PM.

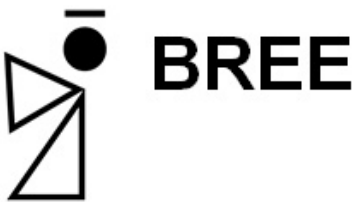
Jay will briefly cover aspects of the electromagnetic (EM) spectrum to familiarize attendees with the various forms of EM radiation that are a part of our lives. He will discuss briefly above ground testing results and, then, the surprising EMP effects experienced in Honolulu, HI, some 900 miles distant from the Starfish high-altitude detonation in 1962 over the South Pacific. He will focus on microwaves and x-ray phenomena and how, after high-altitude nuclear bursts, the thin density atmosphere converts x-rays into microwaves which create the damaging effects of Electromagnetic Pulse (EMP). Then, he will discuss what we, as Engineers, need to be



[Driving Directions](#)

**THANK YOU to our
2015-16 Scholarship
Sponsors:**

Kimley»Horn



Happy New Year!

Dues are due - \$40

Upcoming Meetings:

April 21 - Damien Wassell

**Plant Electrical
Reliability**

**May 19 - Annual Scholarship
Awards Banquet**

thinking about and designing for to protect against EMP for the grid, infrastructure, electrical devices, etc.

Jay graduated West Point, was commissioned in the Army Corps of Engineers, completed Airborne and Ranger training, and served for 30 years in a multitude of command, staff, and teaching assignments:

combat and construction engineer, nuclear weapons operational and technical adviser, Strategic Defense Initiative developer of technologies including capacitors for Electromagnetic Guns, and West Point physics instructor. Following retirement from the Army, Jay worked six years for Northrop Grumman in advisory and managerial roles for various science and technology efforts involving weapons of mass destruction in support of the military services.

Jay is a licensed Professional Engineer in Virginia and NC and has published numerous times including "Nontraditional Engineer Support to the Warfighters," Army Engineer, May-June 1994. He has a MS in Applied Science Engineering from UC Davis, CA and an MBA from Long Island University, NY.

Please click on the link below to register; the cost to attend is \$25 for members and \$35 for non-members. You can now pre-pay as you register with a credit card or PayPal account, mail a check, or pay at the door with cash or check. We cannot accept credit cards at the event.

The price includes a buffet dinner at the Croasdale Country Club. The buffet features a salad bar, and a variety of hot dishes; the food is excellent. Social hour is from 6:00 to 6:30 pm and there is a cash bar. Dinner is from 6:30 to about 7:00 and the seminar will begin about 7:00, the presentation will be about an hour followed by Q&A.

One (1.0) PDH will be provided; a terrific bargain! Please join us for this great presentation by clicking on the "Register Now" link below, if you cannot attend please let us know as well, and feel free to forward this invitation to as many others as you would like using the button below.

[Register Now!](#)

[Forward to a Friend !](#)

[I can't make it](#)

If you do not wish to continue to receive event invitations from the Durham Engineers Club please unsubscribe using the link at the bottom. The Durham Engineers Club has one meeting per month.

We look forward to seeing you at the meeting!

Sincerely,

Jennifer Buzun, PE
Durham Engineers Club
jbuzun@nc.rr.com
919-560-4326*30292