

PYRAMID PRESS

ASHRAE – Memphis Chapter
<http://www.ashraememphis.org/>

February, 2007

LUNCH MEETING 11:30 TUESDAY,
February 13, 2007

Meeting Location:

Kemmons Wilson Center Holiday Inn
3700 Central Ave. in Memphis, TN

VARIABLE SPEED DRIVES, Harmonic Mitigation and Energy Saving Technology

By: Jack Bailey
Yaskawa Electric America

Main Program: Mr. Jack Bailey of Yaskawa will provide an overview of Harmonics mitigation and Adjustable Frequency Drives.

Earn PDHs/CEUs by attending.
Visitors are welcome.

Program Outline:

Harmonics mitigation

Harmonics defined

Why VFDs generate harmonics

Effect on power systems

Effect on power factor

THD defined

Wave forms

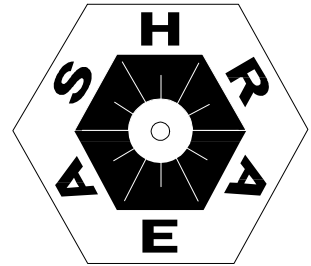
IEEE 519 explained

Addressing IEEE 519

Definitions

Solutions, both active and passive, 6pulse, 12 pulse, 18 pulse, and matrix filter.

Harmonics estimator tool



Memphis Chapter Contacts

PRESIDENT:

James Copeland: 224-6805
Cell: 508-4899
Fax: 224-4331

PRESIDENT ELECT:

John Colmer: 761-0885
Fax: 761-2943

VICE PRESIDENT & PROGRAMS/CTTC:

Brent Wiseman: 327-8261

SECRETARY:

David Branham: 937-1720

TREASURER:

Brad Grammar: 685-2371

MEMBERSHIP:

James Fleck 384-8400

NEWSLETTER:

David Kirshner: 433-1900

WEBMASTERS:

Brian Schaffler: 345-6100
Kevin Crosby: 345-6100



THE PRESIDENT'S CORNER

2007 Engineers Week is February 18-24, 2007.

Introduce a Girl to Engineering Day is February 22, 2007.

DESIGN SQUAD is coming to PBS during National Engineers Week 2007. DESIGN SQUAD is a new television series that's part reality competition, all engineering, and major fun. Visit <http://pbskids.org/designsquad> and watch a clip from the pilot, meet the cast, and learn how you can get involved in the outreach.

Membership: The following is my understanding of the changes in Membership.

Month end	JUN	JLY	AUG	SEP	OCT	NOV	DEC
Members	223	213	214	228	213	-	215
Net Change	-10	+1	-9	+14	-15	-	+2

We are seeking a volunteers to serve as:

Awards Committee Chairman

At-Large Board Member.

Brian Schaffler asked that all the companies send updates for their info [shown at <http://www.ashraememphis.org/page8.html>]. Let us know any changes to their companies info we will make the changes. They can email any changes to kcrosby@gorhamschaffler.com .

I am looking forward to seeing everyone Tuesday!

James Copeland
Chapter President



THE HISTORIAN

PEOPLE IN MEMPHIS ASHRAE HISTORY

Jack Blake

(ASHRAE 1960 to present)

Jack was born in Memphis, attended Central High School, graduating in 1947. He attended the University of Memphis (then Memphis State College) and Rhodes College (then Southwestern College), receiving a Bachelor of Arts degree from Southwestern in 1952. After college Jack served in the Armed Forces during the Korean Conflict. His first employment after his military service was with the Oldsmobile Division of General Motors Corp. In 1958 he began working for Power Equipment Company as a salesman. His territory covered Arkansas, Mississippi and West Tennessee. Jack became a member of ASHRAE soon after joining Power Equipment Company and has been very active in the Memphis Chapter for the past 45 plus years. Jack has been married to Dottie for 51 years. They have two daughters, Lynda and Beth. Linda has three children. She and her family live in Memphis. Beth has three children. She and her family live in Scottsdale, AZ. Jack presently serves Power Equipment Company as Chairman and CEO. Jack has been very active in several civic and church related ventures. He is a member of the Lindenwood Christian Church where he is a Life Elder. He serves as the chairman of Lindenwood's Life Quest Counseling Center. Jack serves on the Advisory Board of Youth For Christ, now called the Juvenile Intervention and Faith Based Follow-up (J.I.F.F.).

Thank you Jack for the great example that you have been to so many and for your commitment to your family, church, community and business.

MEMBER NOTICES

ASHRAE MEMBERSHIP GROWTH

Please inform colleagues interested in becoming members of ASHRAE to log on to <http://www.ashrae.org> to fill out an electronic application. Once at the site click on "Join ASHRAE" on the left side of the page then scroll down to the appropriate application for the desired membership grade (This link will take you directly to the membership application selection page - <http://www.ashrae.org/template/AboutLinkLanding/category/1872;jsessionid=aaaglpHers1BeQ>). Also, have each interested colleague go to the Memphis Chapter Internet site (<http://www.ashraememphis.org/page2.html>) and fill out a local chapter application. If the prospective members do not have internet access just have them contact me directly and give me their mailing address for me to send hard copies.

Total dues are \$150 National and \$85 local. Local dues are only \$15 if they will not attend the lunch meetings.

Please feel free to call or write with any questions.

James Fleck, P.E.
(ASHRAE Membership Promotion Chairman)
Gala Engineering
Phone: (901) 384-8400
Fax: (901) 373-2255



OFFICERS & CHAIRS

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Research/Promotion	Chris Ewing 901-843-4870
At-Large BOG	Bill Dudley 901-495-3959
At-Large BOG	Rodney Lum 901-682-7727
At-Large BOG	--- OPEN ---
Student Activities	Russ Fletcher 901-761-0885
Chapter Memorials	Ken Jack 901-324-6610
Awards	--- OPEN ---
Nominations	David George 901-373-5100
Refrigeration	Cyrus Booker 901-433-1920
Historian	Jerry Gatlin 901-452-2500
Christmas Party	Jimmy Fleck 901-384-8400
Golf Tournament	David George / Stan Wilson 901-373-5100
CRC 2008 Memphis	Evans Jack 901-324-6610

NOTICES

• ASHRAE Endorsed Events

ASHRAE Annual Long Beach, CA Jun 23-27, 2007

2007 Region VII Chapters Regional Conference in
Huntsville, Alabama. August 2-4, 2007

• Update your Membership Information

Please update your email, phone #s, and
contact information by logging in at
www.ashrae.org

<http://www.ashrae.org/template/MemberLinkLanding/category/1570>

Manage Your Membership
Manage Personal Information
Address Changes

The Memphis Chapter Newsletter mailing list
and roster are based on those records.