

THE REPORTER

Journal of the Central Indiana Section • IEEE

James R Wark 1924 - 2017

Obituary for J R Wark

J R Wark was a distinguished member of the IEEE and a dedicated and long-term leader of the CIS-IEEE Section. Our incomplete early records show him as Chair in 1957-58, Historian from 1960 to 63, and Secretary / Treasurer in 1963-64. He returned to office as Awards chair in 1985-86, Treasurer in 1986-87, Vice chair in 1987-88, Chair in 1988-89, and Director in 1989-91. We applaud his distinguished service. His obituary follows.

Marvin Needler, CIS-IEEE Historian.

Thursday, July 27, 2017
4:13 PM



James R. Wark

93, of Indianapolis, passed away July 11, 2017. He was born June 17, 1924.

James served in the [army](#) during [WWII](#). He graduated from [Purdue University](#), where he received a Bachelor's degree in Engineering. He later retired from Indianapolis Power and Light Company (IPL). He was a member of Northminster Presbyterian Church, the Luminaries of IPL, Scientech, the Purdue Alumni Club of Indianapolis, the American Legion Post 3, and Eta Kappa Nu, the national engineering honor society.

James was preceded in passing by his loving wife, Louise (Balock) Wark; and his sons, David and John Wark; and brother Kenneth K. Wark. He is survived by his daughters, Linda and Julie Wark; his sister-in-law, Lois Wark; and his nieces and nephews, Lynn, Kathy, Karen, Norman, Larry, Don, and Ron.

Visitation will be from 10:00 a.m. until 11:00 a.m. on Tuesday, July 18, 2017 at Northminster Presbyterian Church, 1660 Kessler Blvd E Dr., with the service immediately following.

In lieu of flowers, memorial contributions can be made to the Jim Wark Scholarship of the Purdue Alumni Club of Indianapolis. This scholarship is given annually to a student from Indiana earning a degree at Purdue University in engineering. Contributions may be made via check payable to "Purdue Foundation" with "Jim Wark Scholarship" in the memo and mailed to: Purdue Club, PO Box 68193, Indianapolis, Indiana 46268.

Call for Volunteers

The IEEE Central Indiana Section is always looking for energetic members that have a little time to help their section and community. We currently have the following Executive Committee positions open:

- **Young Professionals Chair**
- **Membership Development Chair**

If you have an interest in volunteering for any of these positions, would like more details on the positions, or want to help serve your local IEEE Section in any other capacity, please contact Bob Evanich:

b.evanich@ieee.org

Volunteering can also be a good resume builder and as always, thank you for volunteering!!

Power & Energy / Industry Applications / Power Electronics Society News

Diana Vasquez, Chair, PES/IAS/PELS
Ben Huckaba, Vice-Chair, PES/IAS/PELS
Gary Rhodes - Secretary, PES/IAS/PELS
Jerry Hohn - Treasurer, PES/IAS/PELS
Mike Darnell - L31 Office, PES/IAS/PELS

October Meeting – Auto-Transformer Fundamentals

Meeting Date & Time

Tuesday, October 24, 2017
Time: 6:00 PM – 6:30PM Networking
6:30 PM – 8:30 PM Meeting

Meeting Address

1230 W. Morris Street
Indianapolis, Indiana
United States 46221
Building: IP&L: Engineering Building
Room Number: Safety Room

Mr. Ronnie Minhaz, PE, will be presenting the basics of Auto-Transformers. Mr. Minhaz holds a BSEE from the University of Manitoba, Canada. Before founding [Transformer Consulting Services, Inc.](#), he worked at a transformer manufacturer, a global EPCM firm, an electric utility, and substation construction contractor. As a registered professional engineer in the province of Alberta, Canada and an IEEE member, Mr. Minhaz has held various leadership positions at IEEE Section level and a regular member of IEEE PES Society.

Auto-Transformers have weight and overall dimension that is less than 2-winding transformers of the same output, allowing them to be produced with a considerably larger capacity per unit. Auto-Transformers, however, call for several unique design considerations which require special attention and careful study.

This presentation will assist end-users to procure reliable and economical autotransformers. This tutorial will also assist manufacturers, consultants and others to familiarize with various aspects of taps in autotransformers. Different types of taps, their electrical connection and physical location, and their effects on cost and design are discussed in depth. Differences in designs of two winding and autotransformers with taps are illustrated. How to specify the taps in autotransformer procurement specifications is highlighted. Methods to procure autotransformers that meet system needs are suggested. Influence of taps on maintenance and operation are explained.

Registration and more detailed speaker and event information are at the event page available at the [Section's website](#).

[2018 Planning](#)

The PES/IAS/PELS is planning its 2018 calendar and activities as well as seeking officer nominations. If you have a meeting or tour suggestion or would like to become involved in the PES/IAS/PELS leadership, please contact one of the existing officers.

Using Latest EMC Design Book

Controlling Radiated Emissions by Design, 3rd Edition, 2014
Contributed to and edited by Donald L. Sweeney

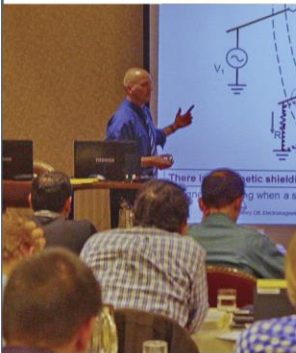
EMC by Your Design Seminar

An EMC Practical Applications Seminar and Workshop

Take home the most recent EMC Design Book plus a proprietary computer program, a notebook of slides, an expanded section on filter design, signal integrity, and signal return currents on PCB's.

Receive a free 45 minute individual product design evaluation.

October 24-26, 2017 (Tues. - Thurs.)
Hilton Hotel, Northbrook, IL



\$300 discount if you register by October 3, 2017.
We are also offering a special 50% discount to attendees of previous D.L.S. seminars who used the 1st or 2nd edition.

Classes fill quickly so register early
email cgorowski@dlsemc.com or call 847-537-6400
www.dlsemc.com/seminar

Don't forget to schedule your free product review when you register.



AUTO-TRANSFORMER FUNDAMENTALS

Auto-Transformers have weight and overall dimension that is less than 2-winding transformers of the same output, allowing them to be produced with a considerably larger capacity per unit. Auto-Transformers, however, call for several unique design considerations which require special attention and careful study.

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Certificates for CEU's and PDH's now require a fee from IEEE. Therefore this event will be \$10 for each attendee requiring a Certificate. Number of CEUs/PDHs will be awarded per length of course. This meeting is free for all attendees not requiring a CEU/PDH Certificate.

DATE AND TIME

Date: **24 October 2017**

Time: **06:00 PM to 08:30 PM**

All times are US/Eastern

LOCATION

1230 W. Morris Street

Indianapolis, Indiana

United States 46221

Building: IP&L: Engineering Building

Room Number: Safety Room

REGISTRATION

Starts **29 August 2017 12:00 AM**

Ends **24 October 2017 05:00 PM**

2017 Meeting Calendar

Date	Host	Subject	Location
Monthly	CIS	Executive Committee Meetings	Internet/Phone Bridge
Oct 5-6th	WIE	WIE Leadership Summit	Marriott Downtown Indy

... Check the [Section web page](#) for details and current information.

ADVERTISER EVENT

DLS: dlsemc.com	See Advertisement on Page 3	Northbrook, IL
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Central Indiana Engineering Web Links

ACEC	American Council of Engineering Companies, Indiana	acecindiana.org
ASCE	American Society of Civil Engineers	inasce.org
ASME	American Society of Mechanical Engineers	sections.asme.org/central_indiana
ASM-INDY	American Society for Metals - Indianapolis	asm-indy.org
CIECN	Central Indiana Engineering Consultants' Network	indy-engineer.dnsalias.com
CINLUG	Central Indiana Linux Users Group	cinlug.org
IHIF	Indiana Health Industry Forum	ihif.org
INCOSE	International Council on Systems Engineering	incose-coa.org
INDSPE	Indiana Society of Professional Engineers	indspe.org
INDYASHRAE	American Society of Heating, Refrigeration, and Air Conditioning Engineers	indyashrae.org
NSBE-IAE	National Society of Black Engineers - Indianapolis Alumni Extension	nsbe-ip.org
PIMCIC	Project Management Institute - Central Indiana Chapter	pmicic.org
SAE	Society of Automotive Engineers, Indianapolis	saeindiana.org
Sciencetech	Sciencetech Club in Indianapolis	sciencetechclub.org
SHPE	Society of Hispanic Professional Engineers	shpe-indiana.org
SIM	Indianapolis Chapter of Society for Information Management (SIM)	SimNet.org
SWE-CI	Society of Women Engineers - Central Indiana Section	swe-ci.com
Techpoint	A diverse collection of technology-based Indiana industries	Techpoint.org

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 Distribution: The Reporter is made available electronically to the approximately 1800 IEEE members within the Central Indiana Section including student members and faculty of Purdue, Rose-Hulman Institute of Technology, IUPUI, Ball State and Indiana State

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Editorial Policies

Each issue of The Reporter typically references three months - the month in which it is published and the following two months. The Reporter is typically published in March, June, September, and December.

Material to be included should be submitted mid-month prior to the month it is to be published. For example, material intended for the September issue should be submitted to the Editor by August 15. The Editor will send a reminder to all IEEE Central Indiana Section entities by the 25th of the month to submit their updates.

Copy should be submitted electronically. Photographs are desirable. Advertisements are welcome. Contact the editor, Umama Tasia, for layout sizes and rates at umama.tasia.us@ieee.org

How Do You Communicate??

Follow Section Social Media

Want to know what is happening in Central Indiana Section? Don't know where to look? Already inundated with eNotices? Need to ask a question? Want to find an expert? Got a meeting idea?

Here are some of many communication channels available in Central Indiana Section



- Conference Facebook Page: 2016 Ieee-Cis Encon Conference & Workshop
<https://www.facebook.com/IEEECISEnCON/>
- Section Facebook Page: IEEE - Central Indiana Section
<https://www.facebook.com/IEEE-Central-Indiana-Section-1426165320970908/?fref=ts>
- WIE Facebook Page: IEEE - CIS Women in Engineering
<https://www.facebook.com/IEEE-CIS-Women-in-Engineering-223901364430386/?fref=ts>
- Student Branch members are encouraged to join "IEEE Region 4 SAC":
<https://www.facebook.com/groups/r4sac/>



- IEEE's own Social network provides participants with professional and technical networking opportunities in and around Indianapolis.
<https://ieee-collabratec.ieee.org/app/community/54/activities>

CIS Home Pages

- Start with the main site. (www.cis-ieee.org) Check out the calendar of events, or link to the many IEEE groups in Central Indiana Section, including all of the Student Branches.

Conference Page

- Check Out Conference details: Program Overview, Workshop Info, Speakers, Student Poster Contest and Registration Info : (<http://cis-ieee.org/EnCON>)
- Not getting E-Notices? E-Notices are not only a resource for keeping in touch with the activities throughout CIS, but you will also receive information on topics of interest throughout IEEE

eNotices

- Login to myIEEE from the IEEE Home Page (www.ieee.org) and sign-up!
- Check out the calendar of events, at the main site. (www.cis-ieee.org)