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Transformers Committee Recognition & Awards Luncheon



Stephen Antosz, Awards Chair
Jacksonville, FL
October 16, 2018



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Agenda

- 5 Memorial Tributes
- 4 Outstanding Service Awards
- 1 General Service Award
- 1 Standards Medallion Award
- 1 Best Paper Mention
- 10 New Committee Members
- 8 Working Group Awards for Publication



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Tribute to Our Lost Friends






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In Memoriam:
Steve Smith



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In Memoriam: Steve Smith

Stephen Douglas Smith, 69, passed away May 16, 2018 after a courageous battle with cancer. Stephen graduated in 1972 from Ohio State University where he received his Master's degree in Electrical Engineering. He worked at Kuhlman Electric until retirement in 2007. He became a Transformers Committee member in 1991. Upon retirement, Steve and his wife of 49 yrs, Linda returned to their farm in Ohio.



Tributes to Steve Smith

Ted Everman of AEP - So sorry to hear of Steve's passing. Had dinner many times together in Mississippi. Always great to chat with him.

Tony LaRe - I am very saddened to learn of my old **transformer buddy** passing away. We worked together at AEP in Canton, building the 765KV system.

Jeffrey Bednar - Sorry to hear of Steve's passing we shared many times over the years **learning from each other about transformers.**

Roger Dugan - Steve and I worked together at McGraw-Edison and Cooper Power where we did some pioneering work on "Low-side Surges" in distribution transformers from 1985 to 1992. I also worked with Steve after he moved to Kuhlmann on various substation transformer failures. It was the most interesting work I have done in my career. **Steve was my transformer mentor and was always willing to answer my questions.** I will miss him.






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In Memoriam: Steve Smith



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In Memoriam: Tom Golner



In Memoriam: Tom Golner

Tom passed away unexpectedly on June 9, 2018 at the age of 67 years. Beloved husband of Patricia for 43 years. Tom graduated from Marquette University with a BS in Chemistry and Masters in Electrical Engineering. He was employed at SPX in Waukesha. He was an active participant in the IEEE Transformers Committee meetings for many years.



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Tributes to Tom Golner

Allan Bartek - I am deeply saddened to hear of Tom's passing. We have been friends for well over 20 years seeing one another every 6 months at the Transformers Committee meetings. Tom was a brilliant Engineer. We had transformers in common but also, we shared a love of Autocrossing. **I was always impressed with Tom's kindness and genuine interest in helping others.**

Tom Schmidt - He was a good man and friend. Always willing to help. Will miss him dearly. He was an excellent mentor who taught me a lot when we worked together at SPX. Will never forget the look when asked a question. It would be a second as he pondered and then **respond with a very detailed, accurate answer.**



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In Memoriam: Tom Golner



In Memoriam: Heinz Fischer



In Memoriam: Heinz G. Fischer

Heinz passed away April 9, 2018; at 89-yrs-old. He was in excellent health but died in a tragic accident at his home in US Virgin Islands. He was a Member of the IEEE Transformers Committee. Heinz was born March 10, 1929 in the Balkans. His family moved to Germany and he started his engineering career at Brown Boveri Transformers in Basel, Switzerland. He lived in Germany, just across the Rhine River, and commuted each day on his bicycle.

In 1964 Westinghouse opened its Large Power Transformer factory in Muncie, IN. Heinz joined as a Development Engineer. A few yrs later Heinz was hired by Allis-Chalmers in West Allis, WI as VP of Engineering & Sales.

In 1969 EHV-Weidmann was a new start up producing transformer insulation in St. Johnsbury, VT. Heinz joined as VP of Engineering & Sales. His role increased to include QA, R&D and Technical Services. He was one of the primary drivers that helped Weidmann become a leader in transformer insulation systems. He was elected to the Board of Directors Aug 1972.



In Memoriam: Heinz G. Fischer

Heinz retired from Weidmann in March 1994. With his wife Linda they pursued their love for outdoor adventure. They were private pilots in airplanes and hot air balloons. They visited every continent. They spent winters in Vermont skiing and summers in the Virgin Islands scuba diving.

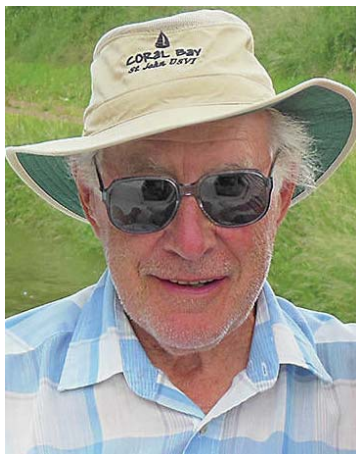
In 2008 they became the oldest married couple (79 and 72) to cross country ski to the North Pole and are in the Guinness Book of World Records. Heinz took a video of his GPS reading 0° 0' 0". They joined a Discovery Channel expedition in search of the most northerly dry tract of land and discovered "Ultima Thule" a 126-foot-long tract of permanent land. They planted USA and Switzerland flags.

Heinz was a manager, engineer, teacher, mentor and most of all a good friend to many engineers in the industry. He will be dearly missed by many.

Mike Franchek: *"He was my boss, mentor and friend. Pam and I are quite saddened by this."*



In Memoriam: Heinz Fischer



Most recent photo at his home in St. Johns, US Virgin Islands



In Memoriam: Dennis Allan



In Memoriam: Dennis Allan

Internationally renowned Professor Dennis J. Allan passed away July 2018. He was a member of IEEE, IEE, IMECHE (Mechanical Engineers), former Chairman of IEC TC14 (transformers) and IEC SC 36A (bushings), Director and Technical Manager of GEC ALSTOM T&D Transformers Limited, Stafford, England (1987-1997), and technological advisor after 2005. Dennis held a 1994 patent for "Methods of making power distribution transformers", was Chair of the CIGRE Power Transformer and Reactor Study Committee SC A2 from 1986-1994 and co-authored Chapter 1 in the "Electric Power Transformer Engineering" book. Dennis became an IEEE Life Fellow in 1992 for contributions to the design and development of power transformers. He was a Transformers Committee Member from ~1976 until 2005 and continued to participate until 2013.



Tributes to Dennis Allan

Bill Chiu: We all knew Dennis as one of the **industry's technical pillars** of our time.

Peter Balma: He will be missed. I was fortunate to have spent time with him at several CIGRE meetings around Europe and occasionally at our IEEE meetings.

Sheldon Kennedy: I knew Dennis from our interaction with IEC and IEEE standards. He was always a great technical expert and gentleman. We did work together on a project for Alstom Drives where Niagara Transformer was building the transformers for their drives group. The project went splendidly without problems. **He was one of the finest engineers you would ever want to meet.**



Very Recent Sad News ...

- Joe MacDonald passed away this past weekend, Sat Oct 13. He was 83 years old.
- He suffered heart failure and died peacefully at home.
- He graduated from Rensselaer Polytechnic Institute with BS & MS Electrical Engineering.
- He worked at GE Pittsfield, Westinghouse-ABB, Cooper Power, and as a Consultant



In Memoriam: Joe MacDonald

Joseph was a true naturalist who delighted in the beauty of the outdoors. He found great joy in walking the woods, hunting, fishing, and birding. His desire to learn about the environment was insatiable, and he brought the mind of a scientist to this work: identifying, cataloging, and documenting plants and wildlife. Perhaps most importantly, he translated this passion into action by employing sustainable logging practices and advocated for an approach to land management that fostered and protected habitat diversity.



Tributes to Joe MacDonald

Ramsis Girgis: I worked with Joe for a number of years both in Foster Plaza and in Muncie. He was such a gentleman. He knew eddy currents better than anyone. He was one of the three who interviewed me at GE Pittsfield in July 1979. It was McNutt, Degeneff, and Joe. They took me to lunch and offered me a job to work on Unitran under Degeneff. I was not too excited about that kind of work. Harold offered me the job in Muncie a couple of days earlier. After I came back home, I accepted Harold's offer and the rest is history.

Raj Ahuja: I enjoyed working with Joe and learnt from him as he was an expert Engineer in the field of Transformer Design including short circuit analysis. I will definitely miss him. Deepest condolences and prayers to the family.



Transition from Solemn to Funny ...
here are a few Engineering Jokes to
make you laugh.



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Trust me. I'm an engineer.




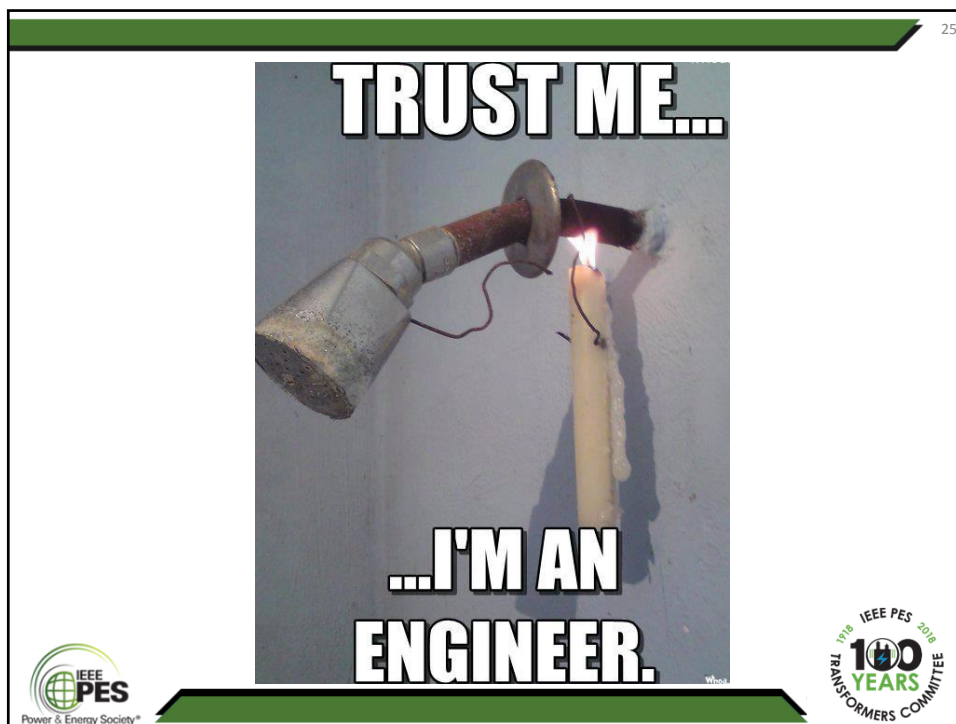
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TRUST ME,



I'M AN ENGINEER





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Outstanding Service Awards

For long-term commitment, dedication, and contributions to the Transformers Committee.

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Outstanding Service Awards

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Wally Binder	Dan Mulkey
Jack Harley	Steve Shull





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General Service Awards

Outgoing Subcommittee Chair:

- Steve Shull, Distribution Transformers SC



IEEE-SA Standards Medallion

For major contributions to the development of standards, including leadership in standardization of new technologies, assuring achievement of standards development goals, identifying opportunities to better serve the needs of standards users or other such contributions viewed as deserving of this award.



IEEE-SA Standards Medallion

- Steve Shull

(This award will be presented to Steve by IEEE-SA at their award banquet in December)



Cigre Best Paper Award

- Luiz Cheim, ABB USA

This is for honorable mention. Since one of our Members received a Cigre Best Paper Award, I thought it nice to make his colleagues in the Transformers Committee aware of this international recognition. The paper will be published in Electra Magazine in 2019.

Paper A2-206. Machine Learning Tools in Support of Transformer Diagnostics.

The paper describes the use of Machine Learning (ML) algorithms as supporting tools for the automatic classification of power transformer operating condition. HF transformer modeling has been applied in transformer design and transient studies but it could also be a support to FRA analyses and PD localization. Internal resonance is an important phenomenon and together with FT/VFT may explain a significant number of unknown transformer faults. ML has also been shown to be a powerful approach to improve transformer diagnostics.



New Committee Members



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TRANSFORMERS COMMITTEE MEMBERS

The voting members of the Committee are appointed by the Chairman upon recommendation of a Subcommittee Chairman and the concurrence of the Administrative Subcommittee. The membership [application form](#) must be filled in full. Notification of appointment is given to the Chairman of the Technical Council.

ELIGIBILITY AND QUALIFICATIONS

Selection and continuation of committee membership shall be determined by meeting all of the following qualifications:

- a. Member in good standing of the IEEE Power & Energy Society and Standards Association membership.
- b. A demonstrated interest and knowledge of the fields of Distribution, Power and/or Regulating transformers as expressed by working on standards, publishing papers, taking part in discussions of technical papers and presentations thereof.
- c. Technical competence in one or more particular branch(s) of engineering as specified in the scope of the Committee.
- d. Contributing regularly as a member of Subcommittee(s) and Working Group(s) during a two-year apprenticeship period.
- e. Willingness to devote time and effort to contribute to the advance of the art by:
 - Regular attendance at meetings and participation at the Subcommittee and Working group level
 - Reviewing technical papers for presentation and publication, as may be assigned by the Vice Chair of the Committee.
 - Committing to timely return of Committee ballots.
- f. Continued participation in Committee functions such as serving as an officer, liaison representative, Subcommittee member, or Working Group member.
- g. Actively participating in balloting of Technical Committee issues. SA membership is required for balloting.
- h. Regular attendance at meetings. When a member is absent for two consecutive scheduled regular meetings and fails to participate by correspondence, the member will be removed from committee membership, subject to a review of extenuating circumstances by the Administrative Subcommittee.

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New Committee Members

1. Alan Sbravati	Cargill
2. Darren Brown	Howard Industries
3. David Stankes	3M
4. Israel Barrientos	Prolec GE
5. Jason Varnell	SPX Transformer Solutions
6. Kris Zibert	Allgeier, Martin and Associates
7. Leal Gustavo	Dominion Energy
8. Thomas Dauzat	GE
9. Tim-Felix Mai	Siemens
10. Shankar Subramany	Kema




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Awards for WG Completion and Publication of Document

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Awards Distribution Form from IEEE-SA

Return this form to: [Tina Alston \(t.alston@ieee.org\)](mailto:T.alston@ieee.org)

WORKING GROUP CHAIR AWARDS

Date of Request: required



IEEE Standard # and Title: required

Published Date: required

[Check box] Will some or all of these awards be shipped to a meeting venue? If so, this form must be received at least six (6) weeks prior to the meeting date.

OFFICER AWARDS (PLAQUES)	FULL NAME	SHIP TO - COMPLETE MAILING ADDRESS & PHONE (no P.O. Boxes)
WG Chair:	required	required
WG Co-Chair(s) (if applicable)		
WG Vice Chair (if applicable)		
WG Task-Force Chair (if applicable)		
WG Secretary		
Technical Editor (if applicable)		
Special Editor (if applicable)		

CERTIFICATE OF APPRECIATION (if applicable):	SHIP TO - COMPLETE MAILING ADDRESS & PHONE (no P.O. Boxes)
Full Name:	
Reason:	
Full Name:	
Reason:	
Full Name:	
Reason:	
Full Name:	
Reason:	
Full Name:	
Reason:	
Full Name:	
Reason:	

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C57.12.36 IEEE Standard Requirements for Liquid-Immersed Distribution Substation Transformers

Working Group Chair – Jerry Murphy

Significant Contributors:

Carlos Gaytan, Vice-Chair

Steve Shull

Martin Rave

Wally Binder

Gary Hoffman



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C57.12.39 Standard Requirements for Distribution Transformer Tank Pressure Coordination

Working Group Chair - Carlos Gaytan

Significant Contributors:

Jeremy Van Horn, Secretary

Justin Pezzin

Alan Wilks

Ron Stahara

Christopher Sullivan

Brian Klaponski

Dan Mulkey

Steve Shull



C57.12.58 Guide for Conducting a Transient
Voltage Analysis of a Dry-Type Transformer Coil

Working Group Chair - Roger Wicks

Significant Contributors:

Casey Ballard

Tim-Felix Mai



C57.19.01 Standard Performance Characteristics and
Dimensions for Power Transformer and Reactor Bushings

Working Group Chair – Shibao Zhang

Significant Contributors:

David Wallach, Secretary

Devki Sharma

Weijun Li

Dave Geibel



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C57.119 Recommended Practice for Performing
Temperature Rise Tests on Liquid-Immersed Power
Transformers at Loads Beyond Nameplate Ratings

Working Group Chair – Gael Kennedy

Significant Contributors:

Tom Prevost

Juan Castellanos

Marion Jaroszewski

Patrick McShane



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C57.147 Guide for Acceptance and Maintenance of
Natural Ester Insulating Liquid in Transformers

Working Group Chair – Patrick McShane

Significant Contributors:

Clair Claiborne, Vice-Chair

Jim Graham, Secretary / Technical Editor



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C57.158 Guide for the Application of Tertiary and Stabilizing Windings in Power Transformers

Working Group Chair - Enrique Betancourt

Significant Contributors:



Brian Penny, Vice-Chair

Marnie Roussell, Secretary

Hemchandra Shertukde

Jose Lopez-Fernandez

Vijayan Krishnamurthy

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C57.12.40 Standard for Network Three Phase Transformers, 2500 kVA and Smaller, High Voltage 34,500 V and Below, Low Voltage 600 V and Below, Subway and Vault Type (Liquid Immersed)

Working Group Chair – Brian Klaponski

Significant Contributors:

Giuseppe Termini, Secretary

William Wimmer	Charles Morgan
Lee Welch	Alejandro Macias
Jeremy Sewell	Will Elliott
George Payerle	James Dorsten
Dan Mulkey	Larry Dix

The End

