# Chair’s Report – Bruce Forsyth

## IEEE PES Technical Council

The Technical Council of the IEEE Power Energy Society (PES) is composed of the Chairs of the PES Technical and Coordinating Committees, plus the Chairs of Standing Committees reporting to it. The full organizational structure of the PES is shown in the current version of the IEEE PES Organization Chart and Committee Directory (<https://www.ieee-pes.org/images/files/pdf/membership/protected/2020-PES-Org-Chart-V4.pdf>). The PES Technical Committees report to the Technical Council on matters concerning membership, recognition, technical publications, scope, and the coordination of the Power Energy Society generated standards. For standards relating to their technical scope, the Technical Committees work directly with the IEEE-SA Standards Board and the PES Standards Coordinating Committee. For further details on the Statement of Purpose and Scope of Activities for the PES Technical Council Please see; <http://www.ieee-pes.org/statement-of-purpose-and-scope-of-activities-for-the-pes-technical-council>.

### Technical Council Officers & Members

The officers and members of the Technical Council are listed below for your reference. Each individual listed here is the chair of that respective committee.

**TECHNICAL COUNCIL OFFICERS 2020-2021**

Chair Vijay Vittal (Arizona State University)

Vice Chair Hong Chen

Secretary Diane Watkins (Xcel Energy)

Past Chair Farnoosh Rahmatian (Quanta Technology)

**TECHNICAL COMMITTEES 2020 Chair**

Analytical Methods for Power Systems (AMPS) Kevin Schneider

Electric Machinery (EM) John Yagielski

Energy Development & Power Generation (EDPG) John B. Yale

Energy Storage & Stationary Battery (ESSB) Curtis Ashton

Insulated Conductors (IC) Henk Geene

Nuclear Power Engineering (NPE) Daryl Harmon

Power System Communications & Cybersecurity (PSCC) Ken Fodero

Power System Dynamic Performance (PSDP) Costas Vournas

Power System Instrumentation & Measurements (PSIM) Ernst Hanique

Power System Operation Planning & Economics (PSOPE) Fran Li

Power System Relaying & Control (PSR) Russ Patterson

Smart Buildings Loads & Customer Systems (SLCS) Ron Melton

Substations (SUB) Joe Gravelle

Surge Protective Devices (SPD) Steven Hensley

Switchgear (SWGR) Keith Flowers

Transformers (TRANS) Bruce Forsyth

Transmission and Distribution (T&D) Gary Chang

**COORDINATING COMMITTEES 2020 Chair**

Energy Internet Coordinating Committee Hongbin Sun

Intelligent Grid & Emerging Technologies (IGETCC) Doug Houseman

Marine Systems (MSCC) Dwight Alexander

Wind and Solar Power (WSPCC) Andrew Leon

**STANDING COMMITTEES 2020-2021 Chair**

Awards Committee Farnoosh Rahmatian

Organization & Procedures Committee Diane Watkins

Power and Energy Education Committee Siddharth Suryanarayanan

Standards Coordination Committee Ted Burse

Technical Sessions Committee Hong Chen

Entity Proposal Management Committee (New) Farnoosh Rahamatian

### PES Technical Council Activities

The Technical Council meeting schedule for 2020 through January of 2021 is as follows:

* January 12, 2020 – JTCM – Jacksonville, FL
* May 14, 2020 – Web Meeting
* July 29, 2020 – Web Meeting
* November 12-13, 2020 – Annual Retreat – Web Meeting
* January 10, 2021 – JTCM – Web Meeting

### Entity Proposal Management Committee

A new standing committee – the Entity Proposal Management Committee (EPMC) – has been established and will begin its activities soon. The general role of the EPM will be to facilitate and manage the timely review of entity proposals. To this end, the EPMC will be the first point of contact within PES for entity proposals and will perform initial screening of proposals to ensure they meet general PES standards and expectations, and to assign the proposal to the most appropriate technical committee for review. The transformers committee has appointed Jim Graham to be our representative to the EPMC.

### WebEx Accounts for Standard Development

To support remote technical meetings the IEEE-SA has made available WebEx accounts for use by volunteers involved in standards development activities. Activity leaders are free to use any other web service available to them, but the WebEx service is available for those who do not have access to a suitable tool. Anyone needing access to the WebEx account is asked to contact any Officer or transformers@ieee.org to obtain specific details on how to access the account.

### IEEE PES Transformers Satellite Committee - China

To coordinate transformer standards development activities globally and to allow the many engineers in China who want to participate in the standards development process, the IEEE PES Transformers Satellite Committee – China has been established. This is the outcome of many discussions and an agreement outlined during a meeting at the JTCM in January 2020. It is understood that the work performed by the Satellite Committee is subject to review and approval of the main Transformers Committee. To help facilitate this process the Satellite Committee –China has recently developed a Policy and Procedure Manual and an Organization and Procedures manual, both of which are based on the documents of the same name adopted by the main Transformers Committee. Further discussions are required to develop a process by which documents developed by the Satellite Committee will be reviewed and approved by the main Transformers Committee.

# Transformers Committee Activities

### Liaison Representatives - Appointed by Committee Chair.

* ASTM D27 – Tom Prevost
* CIGRE – Craig Swinderman
* IEC TC14 - Phil Hopkinson
* Standards Coordinating Committee, SCC No. 4 (Electrical Insulation) - Evanne Wang

### Committee Schedule

The Fall 2020 Transformers Committee meeting was switched from an in-person meeting in Kansas City to a virtual meeting to protect the health and well-being of our members and their families. An audio-visual firm (PSAV) has been hired to assist with the issues related to setting up the meetings and managing the “behind the scenes” electronic issues. Our next meeting in scheduled to be an in-person meeting in Toronto, Canada.

### Meeting App

Based on positive feedback from the Columbus meeting the Committee plans to continue using the new IEEE EventHub App for future in-person meetings.

### Association Management System, 123 Signup

All WG’s must use AMS to track their membership and meeting attendance. The IEEE PES Technical Council’s Organization and Procedures Manual (March 2020) states the following in section 7.1.1:

*“To be in compliance as a technical or coordinating committee of the IEEE PES Technical Council all technical and coordinating committees are required to keep accurate and up to date membership and meeting attendance records of their committees, subcommittees, working groups and task forces using the Association Management System selected by the IEEE PES Technical Council.”*

All activity leaders are asked to ensure their groups are using AMS. In addition to using the AMS, a list of names and affiliations must be included in the meeting minutes.

### Website Password Usage

The website password is not for public dissemination. It is for use by our meeting attendees (CM, AP, II) and associated work of the Transformers Committee. Access to the protected information on the Committee website is a benefit of attendance and participation. It may be used by meeting attendees and within attendees’ immediate workplace, but not beyond that. A new password is generally implemented immediately after each fall meeting with an announcement made to share the new password during the closing session.

### IEEE Copyright Policy

<https://standards.ieee.org/ipr/index.html>

During the fall 2019 meeting there were various discussions related to the application and compliance with the IEEE Copyright Policy. The key issue is that the Transformers Committee has an obligation comply with the IEEE Copyright Policy and thereby respect and protect the rights of copyright holders by preventing the inappropriate use of material protected by copyright laws.

Compliance with the Copyright Policy requires a certain amount of due diligence on the part of activity leaders, but it is not a daunting task. To assist activity leaders, a webinar was presented on October 5, 2020 that discussed the application of the Copyright Policy during Transformer Committee standards development processes. The presentation is available on the Committee website for those interested in further information.

### Call for Patents (Essential Patent Claims)

<https://standards.ieee.org/about/sasb/patcom/patc.html>

A call for patents is required at every Working Group (WG) meeting. This is a reminder to all WG leaders to call for patents and record the results in the meeting minutes. Note it is not required to show the patent slides; it is only necessary to call for patents and record the response in the minutes. If there is a claim reported, the WG chair shall include in the minutes the name & affiliation of the individual asserting a patent claim. Here is what each WG Chair should ask at the beginning of each WG meeting. This applies only to WG’s after the PAR is approved by the IEEE-SA Standards Board.

**“If anyone in this meeting is aware of any patent claims that are potentially essential to implementation of the document under consideration by this WG, that fact should be made known to the WG and recorded in the meeting minutes.”**

There should be no discussion of any patent claim identified, only that it be identified and recorded. Even if no patent claims are identified, the minutes are to indicate that the call for patents was made.

If a patent holder or patent applicant is identified, then the WG Chair (or designee) should ask the patent holder or patent applicant of a patent claim that might be or become an Essential Patent Claim to complete and submit a Letter of Assurance in accordance with Clause 6 of the IEEE-SA Standards Board Bylaws.

### Letters of Assurance

A Letter of Assurance (LoA) is a document submitted to IEEE-SA by a patent holder which documents the submitter’s position with regard to ownership, enforcement, or licensing of an Essential Patent Claim that may be incorporated into a specific IEEE document. As of September 30, 2020, the following twelve (12) existing Accepted Letters of Assurance pertain to our committee:

| **Std No.** | **Patent Owner** | **Contact for License** | **Patent  Serial No.  (if indicated)** | **Letter  Date** | **Licensing Assurance Received** | **Date record entered or revised (if known)** |
| --- | --- | --- | --- | --- | --- | --- |
| C37.30.2 | Southern Electrical Equipment Company Inc. | **Andrew Panto - COO/Director of Engineering**aspanto@seecoswitch.com | 5,560,474 (US) | [18 Oct 2011](http://standards.ieee.org/about/sasb/patcom/loa_c37_30_2-18oct2011.pdf) | yes | 18 Oct 2011 |
| C37.60 | S&C Electric Company | **Mark W. Stavnes-Vice President, Fuse Products and Polymer Products Division**mstavnes@sandc.com | not indicated | [29 Aug 2008](http://standards.ieee.org/about/sasb/patcom/nonaware_c3760sc_29aug08.pdf) | non-awareness statement | 2 Sep 2008 |
| C37.245 | Schweitzer Engineering Laboratories, Inc. | **Richard Edge, Legal**ipmail@selinc.com | 7,319,576 (US) | [11 Apr 2014](http://standards.ieee.org/about/sasb/patcom/loa_C37-245_11Apr2014.pdf) | yes | 11 Apr 2014 |
| C57.12.200 | Megger Sweden AB | **Niclas Wetterstrand, Product Management**niclas.wetterstrand@megger.com | 8,428,895 (US) | [25 Sep 2019](https://standards.ieee.org/content/dam/ieee-standards/standards/web/governance/patcom/loas/loa_C57-12-200-Megger-25Sep2019.pdf) | yes | 30 Sep 2019 |
| C57.104 | Arizona Public Service Company | **John Finn - Director Venture Investment Management, Venture Investments** john.finn@pinnaclewest.com | not indicated | [12 Apr 2019](https://standards.ieee.org/content/dam/ieee-standards/standards/web/governance/patcom/loas/loa_C57-104_APS-12Apr2019.pdf) | yes | 16 Apr 2019 |
| C57.127 | ABB Technology Ltd. | **Bjorn Dahlstrand, ABB AB, Legal Affairs and Compliance/IP** bjorn.dahlstrand@seabb.com | 6,340,890 (US) | 31 Aug 2005 | yes | 6 Sep 2005 |
| C57.127 | General Electric Technology GmbH | **Frank Landgraff-Executive Counsel, GE Power Legal Department**frank.landgraff@ge.com | 7,286,968B2 (US) | [14 Aug 2018](https://standards.ieee.org/content/dam/ieee-standards/standards/web/governance/patcom/loas/loa_C57-127_GE-14Aug2018.pdf) | yes | 16 Aug 2018 |
| C57.139 | Maschinenfabrik Reinhausen GMBH | **Stefanie Hofmeister-Counsel, Corporate Legal Services**patents@reinhausen.com | not indicated | [13 Jan 2013](http://standards.ieee.org/about/sasb/patcom/loa_c57-139_13Jan2013.pdf) | yes | 16 Jan 2013 |
| C57.143 | Roger Fenton | **Roger Fenton, Principal Engineer, Fenton Solutions** roger.a.fenton@gmail.com | 15/371,085 (US) | [9 Oct 2018](https://standards.ieee.org/content/dam/ieee-standards/standards/web/governance/patcom/loas/loa_C57-143_Fenton-09Oct2018.pdf) | yes | 12 Oct 2018 |
| C57.147 and C57.155 | Cooper Power Systems, LLC | **Alan Yerges, Engineering - Power Systems Division IP**alanpyerges@eaton.com | 6,398,986 (US)6,905,638 (US)7,651,641 (US) | [5 Apr 2017](http://standards.ieee.org/about/sasb/patcom/loa_c57-155_05Apr2017.pdf) | yes, royalty-free | 5 Apr 2017 |
| C57.147 and C57.155 | Cooper Power Systems, LLC | **Alan Yerges, Engineering - Power Systems Division IP** alanpyerges@eaton.com | PI 9612097-5 | [5 Apr 2017](http://standards.ieee.org/about/sasb/patcom/neg-loa_c57-155_05Apr2017.pdf) | NO | 5 Apr 2017 |
| C57.163 | Advanced Power Technologies, LLC | **Gary Hoffman - Managing Member**grhoffmann@advpowertech.com | 20130285671 (US) | [5 May 2014](http://standards.ieee.org/about/sasb/patcom/loa_c57-163_APT_05May2014.pdf) | yes | 5 May 2014 |

### Transformers Committee Working Group Policies and Procedures (P&P) Update

The Individual Working Group P&P manual was reviewed and approved by AudCom at the June 01, 2020 AudCom meeting. The approved version, along with the Entity WG P&P, the Transformers Committee P&P, and the Transformers Committee O&P can be found on the Scope page of the Committee website at <https://www.transformerscommittee.org/scope/>.

### Website

The Committee website has been transitioned to a new platform and reformatted to align with the websites of other PES Technical Committees. Susan McNelly continues to serve as primary webmaster and is assisted by Kris Zibert. Many thanks to both Sue and Kris for keeping the website in great shape.

Respectfully submitted,

Bruce Forsyth
Chair, IEEE PES Transformers Committee
Rev. 2, October 19, 2020