



**IEEE PELS Administrative Committee Meeting**

APEC 2017

Tampa, FL USA

**Marriott Waterside**

**9:00 am – 3:00 pm**

March 31, 2017

Meeting Minutes

**Motions from this meeting:**

**Welcome and Roll Call**

	<b>Name</b>	<b>Title</b>	<b>Present</b>	<b>Absent</b>
1	Alan Mantooth	President	x	
	Open	President Elect		
2	Liuchen Chang	VP Conferences	x	
3	Frede Blaabjerg	VP Products	x	
4	Yan-Fei Liu	VP Technical Operations	x	
5	Jinjun Liu	Exec VP Membership	x	
6	Peter Wilson	Exec VP Standards	x	
7	Braham Ferriera	Immediate Past President	x	
8	Don Tan	Senior Past President		x
9	Treasurer	Jian Sun	x	
10	Patrick Wheeler	Constitution & Bylaws Chair	x	
		<b><u>TC Chairs</u></b>		
10	Rolando Burgos	TC 1: Technical Committee Chair Power & Control Core Technologies	x	
11	Robert Pilawa-Podgurski	TC 2: Technical Committee Chair Power Conversion Systems and Components	x	
12	Uday Desphande	TC 3: Technical Committee Chair Motor Drives and Actuators		x
13	Alireza Khaligh	TC4: Technical Committee Chair Vehicle and Transportation Systems		x

14	Sudip Mazumder	TC 5: Sustainable Energy Systems	x	
15	Yaow Ming Chen	TC 6: Technical Committee Chair High Performance and Emerging Technologies		x
16	Keiichi Hirose	TC 7: Technical Committee Chair Communications Energy Systems	x	
<b><u>Members at Large 2015-2016-2017</u></b>				
17	Robert Balog	Member-at-Large	x	
18	Johan Enslin	Member-at-Large	x	
19	Helen Li	Member-at-Large	x	
20	William A. Peterson	Member-at-Large	x	
21	Pradeep Shenoy	Member-at-Large	x	
22	Shinzo Tamai	Member-at-Large	x	
<b><u>Members at Large 2015-2016-2017</u></b>				
Duplicate	Liuchen Chang	Member-at-Large		
23	William Gerard Hurley	Member-at-Large	x	
24	Katherine Kim	Member-at-Large	x	
25	Ernie Parker	Member-at-Large	x	
26	Grant Pitel	Member-at-Large	x	
27	Seung Ki-Sul	Member-at-Large		x
<b><u>Members at Large 2016-2017-2018</u></b>				
28	Sibylle Dieckerhoff	Member-at-Large		x
29	Dan Kinzer	Member-at-Large	x	
30	Marco Liserre	Member-at-Large	x	
31	Annette Mütze	Member-at-Large		x
32	João O.P. Pinto	Member-at-Large	x	
33	Mark Dehong Xu	Member-at-Large	x	

**Non-Voting**

Andreas Lindemann Awards Chair

**STAFF**

Mike Kelly Society Executive Director  
Donna Florek Technical Community Program Specialist  
Becky Boresen Technical Community Program Specialist  
Alicia Tomaziewski TEC Project Manager

**Roll Call;**

27 Members Present – Quorum met

### Tom Wilson Sr. Recognition

Alan Mantooth and Art Kelley made a few remarks regarding Tom Wilson Sr.'s Contributions as a Volunteer and Member of the IEEE Power Electronics Society. We paid our respects to Tom with a minute of silence.

### Officer Recognition Plaques

Braham thanked all the officers that served during his Presidency.

### Approval of Agenda

Motion to approve the agenda Pradeep Shenoy

Second Peter Wilson

Motion Carried

### Approval of AdCom Minutes ECCE 2016 Milwaukee, WI

Motion to approve the minutes Ernie Parker

Second Robert Pilawa-Podgurski

Motion Carried

### Review of Remaining Action Items: ECCE 2016 Milwaukee, WI

No remaining Action Items

### President Report: Alan Mantooth

The IEEE has several Boards and we fall under the Technical Activities Board under the Board of Directors of IEEE.

### TAB NEWS

Our Division II Director is Don Tan.

Ballot initiative from 2016

Continued efforts to modify governance

Financial transparency

PRAC Reviews (June & November 2017)

Society Review (February 2018)

### Publications

Our publications are very successful.

We will need to choose new EICs for TPELS and JESTPE

Webinars

PELS Education Committee Business plan

### **Conferences**

Support the vision of PELS

We need a healthy rotation of well-versed Volunteers

Bridge to the sister societies and global professional organizations for enhanced partnerships

Serve as a platform for technical activities and membership

### **Operations Plan**

Technical Thrust establishment- An opportunity to get more members involved in the technical committees

Webinars are being run by TCs

### **Global Relations Plan**

Lead the Intersociety Liaison Committee

Lead the International Relations Committee

Identify potential and define objectives for improvement in the Global Relations

### **Standards Plan**

Use ITRW as a starting point to broaden standards activity

Consider a transportation electrification roadmap use the ITRW model?

Use workshops and study groups as a means to engage with the wider PELS community

### **Membership**

Not just about recruiting new members. It's also about serving our existing members.

Maintain a growth of about 5%

Approaches:

- Refine the organizational structure
- Set up an accountable operational procedure

### **Recently Formed New Initiatives**

Cybersecurity – been going on about a year.

- A study group
- We should be paying attention to this area
- It may lead to a technical thrust

- May be more than one place that it fits

### **eT&D**

- One workshop held in China
- Second one will take place in Aalborg
- A steering committee has been formed.

### **Humanitarian**

Committee to this initiative for the next three years.

Largest investment in the initiatives

### **ITRW**

Second most invested

Raising external funds

### **Mentorship Program**

Begin a formal mentoring program with face-to-face engagement at APEC and ECCE coupled with online/social media

360 degree mentorship program: Leadership & Teamwork Training, Career Advising and Entrepreneurship

This could lead to advising throughout member's entire careers.

### **Leadership & Teamwork**

- Writing
- Presenting
- Networking
- Project Management
- Center Management
- Volunteer Management

### **Entrepreneurship**

- Form Teams
- Have competitions
- Award Prize Money
- Establish a committee to organize and run this – another way to involve industry members!

### **Upcoming Activities**

- Finalizing appointments
- Seeking volunteers for
- Cyber
- Systems Council
- Smart Grid

- Technical Thrusts
- Products
- FEPPCON
- Launching Mentorship Program

### **PELS Organizational**

Decision to move standing and AdHoc Committees under the President

Discussion regarding not seeing Women at APEC as Plenary Speakers

Organizing committee representatives should try to consider women for speakers or other types of positions.

Brad Lehman - EIC for TPEL has about 15 women that he could recommend for positions

### **Treasurer's Report: Jian Sun**

FM 14 (fiscal month 14) report before the finals come out.

50% Spending Rule

2016 Project Spending (1930): \$133.5K

Total Net excluding Project Spending: \$144.7K

**50% of Net: \$72.4K (of previous year 2016)**

We can put back \$72.4 into the 2017 budget

2017 total net at this time is ~\$150K

150K budgeted for New Initiatives

\$60K for Billion Smiles

\$15 Member Loyalty

\$35K for Standards

\$25K Cyber

\$14K Education

\$150K

Net worth \$6,995.7

Up to 3% (\$210K) available for New Initiatives for 2018

2018 Budget Development

Products, Conferences, Technical Ops, Membership, New Initiatives = 3% of Net Worth

See Jian's Report for charts and graphs regarding the society Income and Operating Expenses

Conference Performance

Badgeguys are making progress to do real time membership verification.

### **Humanitarian AdHoc – Braham Ferreira**

1.2 Billion people are without access to electricity

Light up a Billion Smiles- Challenge/Competition

Smart Village Initiative -World Wide Initiative

Objective of the Billion Smiles Competition: Open to everyone to find an answer to energy poverty

1<sup>st</sup> Step: Must have some certain Elements- See Braham's Presentation

- Show that they have a real and crucial problem
- Achieve price of <.50/day with ROI under 2 years
- Roadmap

2<sup>nd</sup> Step: Metric-Based Evaluation

5 Regional competitions

1 Final Competition

Proposed Committees: Steering committee, competition committee, regional committee, regional operation committees, finance committee

Workshop will be organized prior to FEPPCON in South Africa

TC5 on Sustainable Energy Systems can be the lead for this Initiative

Planning on setting up a meeting on the Sunday before ECCE.

Regional Chairs can help assist with the 2018 event

IEEE PELS is in the process of hiring an additional staff person to help with these initiatives.

**Staff Directive: Recognition of the 30<sup>th</sup> Anniversary: Staff work with Ger Hurley to arrange appropriate Celebration**

**Also, it is the 10<sup>th</sup> Anniversary of ECCE**

### **Division II Director Address LRP Status Report: Don Tan – No Report**

### **VP Products Report: Frede Blaabjerg**

**Transactions on Power Electronics (TPEL)**

One of their papers was downloaded 9,000 times.

It is Top #1 Journal for IEEE Journals

IEEE TPEL is running strong; Impact factor 4.953

In 2015 more TPEL papers were downloaded than any other IEEE journal (430K)

Review time is among the lowest of the Transactions

Acceptance rate is 31%

We will receive +2600 new papers in 2017

We will publish in 2018 – 11,000 pages

PRAC review

will be due for TAB in June 2017

### **Journal of Emerging and Selected Topics on Power Electronics (JESTPE)**

PRAC for JESTPE this year November 2017

New EIC needed for 2018

### **Transactions on Transportation Electrification (TTE)**

Ali Emadi is reappointed for 2018

1000 pages in 2018

### **Power Electronics Magazine**

PRAC Review is due for 2017

### **Digital Media**

Updated website

Running webinars

Recorded ECCE 2016 Tutorials

Recorded DL Teaser videos

Motion from Products Committee to approve TTE Page Budget for 2017 – Frede Blaabjerg

Motion Carried



## Motion from Products Committee

### Coming from: Products – Publications (TTE-2017)

- Motion: Page budget of 600 additional pages for TTE for 2017
  - Made by: Ali Emadi, Second by Yan-Fei Liu
- Description: TTE was launched in June 2015. In 2015 and 2016, 422 and 630 pages were published, respectively. Although the original TTE proposal had 480 pages for 2017, IEEE records show 300 pages for TTE in 2017. First issue of TTE published in March 2017 has 298 pages. TTE has been a great success so far and, in order to keep the momentum, a total of 900 pages is requested for 2017 (this is a 600 page increase compared with the 300 pages on records). A per page fee is estimated at \$48.25/page.  $600\text{pgs} * \$48.25\text{pg} * 45\% \text{ PELS share} = \$13,028$ .
- Outcome: The motion passed
- Financial Implications: \$13,028 increase to operating budget for reimbursed/publication edit and production costs



Motion from Products Committee to approve TPEL Page Budget for 2018 – Frede Blaabjerg  
Motion Carried

## Motion from Products Committee

### Coming from: Products – Publications (TPEL-2018)

- Motion: "Page budget of 11,000 pages for TPEL for 2018
  - Made by: Brad Lehman Second by Ali Emadi
- Description: The Journal is experiencing a 4000 page backlog of article submission. The publications committee feels this warrants an increase in the annual page budget. In 2017, the page budget is 9500. We experience >10% growth annually and cannot keep up.
- Initial cost increase over 2017 is estimated at \$87/page – editorial services, printing, mailing inclusive as a guide.  $200\text{pgs} * \$87\text{pg} = \$131\text{k}$ . Income from overlength \$66k. First year cost is \$75k.
- Expected income per page (after 2 or 3 year disbursement from IEEE for downloads) \$185k
- Increasing page budget will lead to eventual ~\$100k INCOME to PELS
- Outcome: The motion passed
- Financial Implications: Increasing page budget will lead to eventual ~\$100k INCOME to PELS, but cost an extra ~\$75k in first year.



Motion from Products Committee to approve JESTPE Page Budget for 2018 – Frede Blaabjerg  
Motion Carried

## Motion from Products Committee

### Coming from: Products – Publications (JESTPE-2018)

- Motion: Page budget of 1,900 pages for JESTPE for 2018
  - Made by: Yan Fei Liu, Second by Brad Lehman
  
- Description: JESTPE is making good progress and it is now ISI indexed - 1,900 total number of pages is requested for 2018. A per page fee is estimated at \$48.25/page.  $1,900\text{pgs} * \$48.25/\text{pg} * 50\%$  PELS share = \$45,837.
  
- Outcome: The motion passed
  
- Financial Implications: \$45,837 total operating budget for reimbursed/publication edit and production costs



\*\*\*\*\*Note Changes to Slide: \$87/page

PELS Share \$82,650 Financial Implications \$82,650

Motion from Products Committee to approve TTE Page Budget for 2018 – Frede Blaabjerg  
Motion Carried

## Motion from Products Committee

### Coming from: Products – Publications (TTE-2018)

- Motion: Page budget of 1,000 pages for TTE for 2018
  - Made by: Ali Emadi, Second by Sudip Mazumder
  
- Description: TTE is making great progress and 1,000 total number of pages is requested for 2018. A per page fee is estimated at \$48.25/page.  $1,000\text{pgs} * \$48.25/\text{pg} * 45\%$  PELS share = \$21,712.
  
- Outcome: The motion passed
  
- Financial Implications: \$21,712 total operating budget for reimbursed/publication edit and production costs



## Motion from Products Committee to approve Power Electronics Magazine Page Budget for 2018 – Frede Blaabjerg

Motion Carried

### Motion from Products Committee

#### Coming from: Products – Publications (PEM-2018)

- Motion: Page budget of 290 pages for the IEEE Power Electronics Magazine in 2018
  - Made by: Frede Blaabjerg, Second by Ali Emadi
- Description: The Power Electronics Magazine is in good progress with more and more add sales. It expect to publish in total 290 number of pages of 2018. A per page fee is estimated at \$48.25/page.  $290 \text{ pgs} * \$48.25/\text{pg} * 100\% \text{ PELS share} = \$13,510$ .
- Outcome: The motion passed
- Financial Implications: \$13,510 total operating budget for reimbursed/publication edit and production costs



#### Action Item:

Staff to look into cost savings by not mailing printed copies to Authors. Look into finding out if there is a checkbox in Manuscript Central that can have the author choose if he wants that extra copy

#### VP Technical Operations Report: Yan Fei Liu

##### Plan for the next two years

- Set up / update Technical Thrust
  - 2 year plan
  - More efficient and more people involved
  - TC = Conferences +Webinars+ Special Issues + Others
- Society level student travel grants
  - 2 year plan 2017 as new initiative
  - Distributed model for TC conferences
  - Centralized model for society conference
    - ECCE & APEC

## **Strengthening the Technical Operations**

### Webinars from TCs

- 2 year plan
- 1 or two from each TC
- Set up procedures / committee to organize the webinars more formally in 1 or 2 years
- Special Issues from TC Prime conferences
  - Continuous activities
  - In JESTPE
  - Continuous effort
- More information in the TC Website
- Get more people involved
  - TC officer plus TT Lead
- Support Standard activities
  - 2 year plan
  - Currently AdHoc
    - Upon request; initiated by individuals
- Better communication, data sharing
- 1 – 2 year plan
- TC member list
- Easier data information sharing
  - Reduce the effort from volunteers
  - Expedite the learning curve
  - Maintain website “live”
- Start Technical Thrust, TT Leader, activities

Discussion regarding Women in Engineering and Travel Grants awarded to Women for ECCE.  
Discussion regarding the Women in Engineering Breakfast Event being changed into a Luncheon.

## **Approval of the TC budgets**

### **Summary:**

Motion to approve the TC Budgets for 2018 Technical Operations Committee – Yan-Fei Liu  
Motion Carried

## Budget for Technical Operations 2018

Committee or Group	2018	2017
TC1	\$25,000	\$21,000
TC2	\$34,800	\$22,600
TC3	\$8,000	\$20,000
TC4	\$9,000	\$10,500
TC5	\$32,000	\$31,500
TC6	\$16,000	\$7,600
TC7	\$44,000	\$61,000
TEC	\$20,000	\$20,000
Education	\$57,000	\$50,000
Academic Affairs	\$39,500	\$40,000
Subtotal	\$285,300	\$284,200
New Initiatives	\$18,000	<b>\$13,000</b>
<b>Totals</b>	<b>\$303,300</b>	<b>\$297,200</b>

Motion from Digital Media/ Education Committee additional \$5000 – Yan-Fei Liu  
 Motion Carried

## Motion (1) from Committee

### Coming from: **Digital Media / Education Committee**

- Motion: Request an additional \$5000 to add to the existing budgeted initiative for this program as the first IEEE PELS Sponsored Online Workshop in July 2017
  - Made by: Education Committee / Digital Media
- Description: There is already an existing \$14k budget in the education committee. The proposal is to organize an online workshop to be organized with invited speakers on emerging topics. Speakers to receive \$750 honorarium. INXPO online workshop tool will be used. The proposal received from INXPO for supporting this effort is \$12k. The registration will be free for PELS members and \$30 for IEEE members and \$50 for non-members.
- Outcome:
- Financial Implications: This request is for an additional \$5k to organize the first online workshop. New initiative for 2017.



Motion from Digital Media/ Education Committee additional \$8000 – Yan-Fei Liu  
Motion Carried

## Motion (3) from Committee

### Coming from: **Digital Media / Education Committee**

- Motion: Requesting \$8000 to record 4-6 tutorials at ECCE2017.
  - Made by: Education Committee / Digital Media
- Description: Selected tutorials at ECCE2017 will be recorded by IEEE TV to make available to PELS members and non-members. The recording will fully capture the tutorials to be made available online. This was done last year and we believe it has been successful. The registration will be for a fee for both IEEE and non-IEEE members
- Outcome: Wide distribution of Technical knowledge to academia and practicing engineers.
- Financial Implications: This request is for \$8k to pay for recording and technical production.
- New initiative for 2017.



**LUNCH BREAK**

**Executive VP Membership Report: Jinjun Liu**

Setting up operational procedures

Regional Chapter and Membership

- Longer duration of time and appropriate allocating for Membership Meetings (3 Hours)
- Streamlined the budget proposing process
- Handling the best chapter award
- DL Travel request and approval has been streamlined
- Membership information sharing
- Website on demand chapter reports on membership
- Circulate IEEE MD monthly reports among Region chairs
- Staff to prepare and send out membership quarterly reports to the committee

Member Loyalty and recognition program has been executed and well received

- A series of chapter chair meetings have been implemented
- Chapter Tool Kit is in place
- A luggage tag has been sent out to 2 year new members
- Senior member program implementation
- Reaching out to not society IEEE members
  - Start from WIE

Started the negotiation with IEEE and Badge Guys for real time membership integrations for registration at conferences. This is in will encourage members to join during conference registration and get a discount on registration.

Working on a written policy and procedure on the operation of the Membership Committee

Other proposals

- Regular annual funding for chapters in good standing
- Include previous successful initiatives into the regular annual budget
- Working group to analyze membership data

Motion from Membership Committee – Jinjun Liu

- 25K in the 2017 additional budget to enhance the support to the new initiatives for chapter and membership
  - 5 K initial funding to newly set up chapters
  - 10K : Advanced level funding to chapters based on activity proposal
  - 5K membership promotion with partner national organizations
  - 5K Regional lecturer travels

Motion to approve \$30 K regular financial support ( in operational budget) to local chapters in good standing starting from 2018 – Jinjun Liu

\$250/year per chapter 120

## Motion Carried



### VP Conferences Report: Liuchen Chang

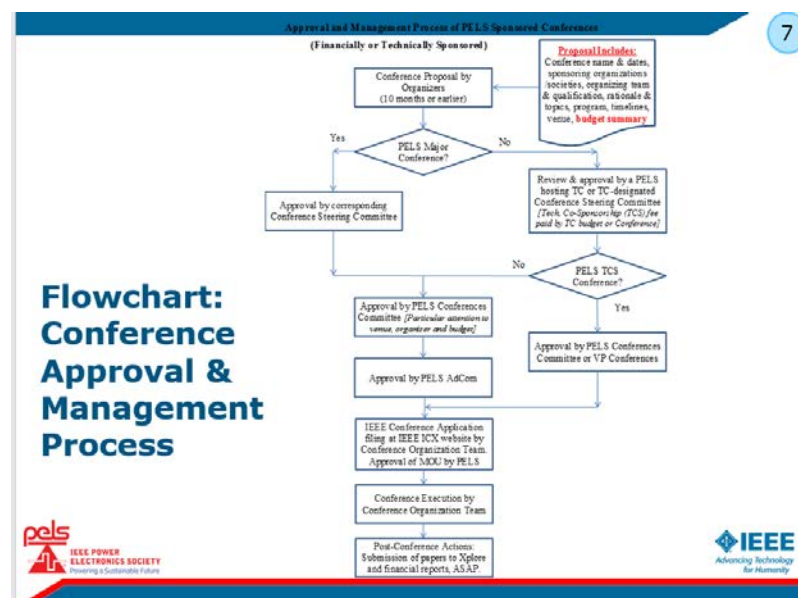
- Complete a resource center for PELS conferences organizers
- The resource center will serve as a one-stop online site for conference organizers to access tools and information for conference proposals budget and reports.
- Enhancing engagement with TCs
- Procedures and Policies have been circulated around the voting members of the AdCom

6

### Proposed Conferences Committee Membership

- Voting Members (16):
  - PELS Vice President (VP) of Conferences (1);
  - PELS Treasurer (1);
  - PELS President (who shall have no vote on the committee except if the vote is by secret ballot or unless the President's vote can change the outcome of the vote) (1);
  - Chair or a representative of each of the PELS TCs (7);
  - A representative of each of the Steering Committees of APEC, ECCE (N.A.), ECCE-Europe, ECCE-Asia, and SPEC (5);
  - Two additional members appointed by the VP of Conferences (such as VP of Global Relations, or the past VP of conferences, or a past general chair of a PELS Major Conferences, or other PELS members with a rich experience in conference organization and management) (2).
- Non-Voting Member (1):
  - PELS Executive Director (1).





## Conferences Status Report -3

- IEEE introduced technical co-sponsorship (TCS) fees to operating units (OU), i.e. to PELS: \$1,000 + \$15/paper uploaded to [Xplore](#)
  - IEEE meetings, conferences, and events (MCE) can bill a conference for TCS fees on PELS's behalf;
  - A hosting TC (TC1 – PC7) may agree on paying TCS fees, fully or partially.
- APEC's have been showing strong program and financials, with a strong industrial engagement.
- ECCE 2014, 2015 and 2016 have all experienced 10% year-over-year growth in papers and attendees, with net all more than \$270K ea. yr.
- ECCE Asia and ECCE Europe have been steady
- Co-location of ECCE and IAS Annual Meeting approved for 2017-2020.
  - Evaluation to start in 2018.
- IEEE Workshop on Electronic Power Transmission & Distribution (eT&D) launched, 50%:50% partnership between PELS & PES
  - The Inaugural eT&D was in Hefei, China, in conjunction with IPEMC 2016 – ECCE Asia with about 100 attendees;
  - The 2<sup>nd</sup> eT&D will be in Nov. 7-8, 2017, Aalborg, Denmark.

Motion to approve 10K for Year 2017 for building an online one-stop conference resources on PELS website: technical support, conference historic data collection and repository, data analysis, and data transfer (from other third party sites)

Motion Carried

Motion to approve the following passed by the Conferences Committee- Liuchen Chang

Motion Carried

## Motions passed by the Conferences Committee

- No need to discuss at [AdCom](#)
- \$30K loan from PELS for ECCE2018
- \$30K loan from PELS for ECCE2019
- \$15K loan from PELS for PEDG2018
- \$7.5K loan from PELS for eT&D2018

## **History – Ger Hurley**

Ger had to write a memorial for the PELS Past President Thomas Wilson Sr.  
Ger will Chair the 30<sup>th</sup> Anniversary of PELS

## **Executive VP of Standards: Peter Wilson**

See Peter's report

Lots of activities are taking place in standards

ITRW International Technology roadmap for Wide Band Gap  
Steering Committee is in place  
Voting structure will have global representation  
PELS initiative driven by industry

New Standards are being worked on  
PAR 2004

Power Magnetics @ High Frequency – Transforming the Black Magic to Engineering” Workshop  
March 25 7:00 AM – 6:00 PM ~150+ attendees

Attendance mixture: 15% research/Academic, 85% Industry

Attendance mixture: 78% NA, 14% Europe, 8% Asia Pacific

Highly interactive agenda

Identified topics for 2018 workshop: fringing losses, physics of magnetic materials losses, impact of eddy currents on magnetic measurements

IEC TC51

Plenary Meeting in Munich Nov 8 2016

Renew Joint logo initiative for IEC 61007 and IEEE 389

ETTC Meeting at APEC 2017

IEEE 389 Par extended to Dec 2018

Cease modifications September 2017

Ready to ballot by March 2018

- Outreach to individuals within PELS and beyond is continuing
- Activities generate interest
- Wide Band Gap Roadmap
- Reliability Testing Working Group

- Special Sessions
- Workshops (e.g. Magnetics @APEC)
- Continue to develop activities relevant to PELS members and engineers generally
- 

## Revised PELSC P&P

- ▣ Pat Wheeler is revising all our constitutional documents for PELS
- ▣ Part of this process is to update our PELS P&P documents
- ▣ Pat has sent a draft from the section of the revised PELS bylaws and we can redraft our own P&P accordingly
- ▣ **Action: Peter Wilson to revise the P&P for PELSC by April 2017 (first draft already done)**

## Review the strategic plan goals

Rev. Ref.	Action	Responsibility	Target	Metric	Status	Comments
2.4 7.6.a	Executive VP for Standards along with the TC Standards Chairs will take a proactive approach to standards opportunities. The Standards Committee will explore how to expand our global outreach: it will spread our activities in collaboration with other standards bodies.	EVP Standards				I believe that this is in action. Peter Wilson has been working with the TC Chairs and taking a proactive approach to opportunities.
2.4 7.6.b	The Standards Committee will explore how to expand our global outreach: it will spread our activities in collaboration with other standards bodies.	EVP Standards				Not sure about this?

## Update the strategic plan goals

Rev. Ref.	Action	Responsibility	Target	Metric	Status	Comments
2.4 7.6.a	Executive VP for Standards along with the TC Standards Chairs will take a proactive approach to standards opportunities.	EVP Standards	New standards standards events	1 new standard per year Several standards activities per year	Achieved	We now actively seek out opportunities to engage in standards
2.4 7.6.b	The Standards Committee will explore how to expand our global outreach: it will spread our activities in collaboration with other standards bodies.	EVP Standards	Engage with global bodies	Engagement or joint standards activities	Achieved	We now have joint standards with IEC and are beginning to build links with JEDEC on wide band gap activities

Joining IEEE-SA (Standards Association) a requirement for a standard officer (\$54)  
 Can PEELS help with this perhaps?

This is a barrier, or at least an unwelcome surprise for volunteers

Cost: The amount is \$54, we have 8 live standards, and 3 officers for each WG (Chair, vice chair and secretary).

$$- \$54 \times 8 \times 3 = \$1296 \text{ in 2017}$$

Motion from the Standards Committee for PELS to support chairs, vice chairs, secretaries of PELS sponsored standards who are PELS members by providing their IEEE-SA fees – Peter Wilson

Motion Carried

\*\*\*Note: Staff Directive to add a line item in the GL

We need to update our officers for 2019 and therefore need to begin the planning for identifying candidates to hold these positions

Would be ideal to start bringing those individuals in early so they can learn the processes

Immediate issue is to identify a new secretary to take over from Matt Wilkowski

Target by ECCE 20177

Second issue is to identify a new vice chair

Target APEC 2018, but ECCE 2017 better

Third Issue is to identify a new treasurer

Target APEC 2018

Fourth Issue is to identify a future EVP and recommend someone to the incoming president for 2019

Target ECCE 2018

### **Executive VP for Global Relations: Mario Pacas**

The E-VP of Global Relations is responsible for all Society relations with other IEEE or non-IEEE professional societies worldwide, fostering a strong global collaboration and coordination of activities. In addition he chairs the:

- **International Relations Committee**
- **Intersociety Liaison Committee**

### **Priorities for the Next Year**

- Identify potential and define objectives for improvement in the Global Relations,
- Define actions that offer realistic chances for achieving the defined objectives

**Focus on regions 9 and 8.**

- Actions already started in Mexico to be continued in Chile (during SPEC), Argentina and Colombia as the countries with the highest potential for PELS in Latin America.
- Here we are in competition with IAS and IES but the growing importance of renewables are an asset for PELS.

### **Priorities for Next Year**

- In a second step approach Italy and some Eastern European Countries.
- The European PhD School in Power Electronics, Electrical Machines, Energy Control and Power Systems and the EPE ECCE Europe in Warsaw are excellent starting points for our efforts

### **Intersociety relations**

- The colocation of ECCE NA and IAS Annual meeting was a starting point for strengthening our cooperation
- eT&D has shown a positive and harmonic work between PES and PELS that has to be continued in emerging fields
- Continuous work to identify and review opportunities for the collaboration with other societies especially IES, DEIS

### **Awards: Andreas Lindemann**

Andreas reviewed the following Awards:

IEEE Level Awards

The Society Level Awards

Best Chapter Award

Transactions Prize Paper Awards

Prize Letters Award

JESTPE Prize Paper Award

Prospective Awards

TC2 Achievement award

IEEE PELS Early Career Award

IEEE PELS Prize Blog Award

SDEMPED Diagnostics Achievement Award

## Prospective awards - not released

- TC2 achievement award
- IEEE PELS Early Career Award
  - ~1000USD
- IEEE PELS Prize Blog Award
  - 250USD
  - on hold → digital media team
- SDEMPED Diagnostics Achievement Award
  - 500USD → 1500USD?
  - → TC3 Motor Drives and Actuators, Technical Thrust on Diagnostics
  - never released, last known awardee in 2011



12

---

## Prospective awards - not released

- Transactions on Transportation Electrification
  - prize paper 1000USD → EIC
- ECCE Awards
  - Emerging technology Awards
    - 1\* oral 500USD+1\* poster 300USD
    - → TC6 Power & Control Core Technologies
  - Student Project Best Demonstration on Technology on Emerging Technology Awards
    - 500USD+300USD+200USD
    - → TC6 Power & Control Core Technologies, ECCE student activity committee (?)



13

## Prospective awards - not released

- COMPEL Best Paper Award
  - ?USD
  - → TC Power & Control Core Technologies
- SDEMPED Prize Paper Award
  - ?USD
  - → SDEMPED Steering Committee within TC Power & Control Core Technologies, Thrust on Diagnostics

## Work in progress - achievements

with major support by PELS staff:

- redesigned <http://www.ieee-pels.org/awards>
  - including all descriptions up to date
- introduced electronic nomination system <https://ieee.secure-platform.com/a/solicitations/home/43>
  - permits later rework by nominators
  - more automated processes  
nomination → selection
  - thank you for patience and feedback!



## Achievements - 2017 nomination status

Category Name	# Incomplete	# In Cart	# Pending Approval	# Complete	# Total
IEEE PELS Energy Storage Innovation Award	3	0	0	0 ?	3
IEEE Joseph John Suzzoli INTELEC Fellowship Award in Power Electronics	8	0	0	2	10
IEEE PELS Achievement Award of Standards	0	0	0	0 ?	0
IEEE PELS Harry A. Owen Distinguished Service Award	1	0	0	3	4
IEEE PELS R. David Middlebrook Achievement Award	2	0	0	2	4
IEEE PELS Modeling and Control Technical Achievement Award	6	0	0	5	11
IEEE PELS Sustainable Energy Systems Technical Achievement Award	2	0	0	0 ?	2
IEEE PELS Richard M. Bass Outstanding Young Power Electronics Engineer ...	15	0	0	11	26
best chapter award	12	0	3	0	15

as of 30 March 2017

- society awards OK ●
- TC awards partially
  - OK ●
  - weak – notification of TC chairs mid of March
    - can solicit more nominations ?
  - general process?



16

## Work in progress - discussion

- award dedicated to Tom Wilson
  - new
  - rename existing
- PELS Fellow and Award Nomination Advisory Committee
  - cf. Fellow Evaluation Committee
  - cf. Award Committee to recommend candidates for fellow grade



17

## Work in progress - discussion

- Award Committee using an [operation manual](#) as working document since several years
  - release as a society document
  - need distinction between society and committee responsibility and release (decentralise documentation = efficiently decentralise responsibility, same between IEEE and societies)
  - Who updates and uploads the document? (staff/committee)

Motion to update the description of the IEEE PELS Best Chapter Award – Andreas Lindemann  
Motion Carried

Motion to update the description of the IEEE International Future Energy Challenge Award – Andreas Lindemann  
Motion Carried

## Work in progress - motions

- update description of IEEE PELS Best Chapter Award  
cf. A.2.4 in [operation manual](#)
  - update description of IEEE International Future Energy Challenge Award  
cf. A.2.8 in [operation manual](#)
- subsequently release by IEEE TABARC

## Summary

- stable PELS award business
  - also nominate for PE related IEEE field awards/medals
  - TCs should solicit nominations for their awards
  - conference awards need confirmation by awards committee
- support of new initiatives, updates and ideas
- presentation and processes updated
- thank you for actively taking part as nominators!

### Constitution and Bylaws Committee: Patrick Wheeler

#### Field of Interest

### Field of Interest

- The words 'system' and 'sustainable' have been added to the PELS Field of Interest – being approved by IEEE
- New wording:
  - The field of interest of the Society shall be the development and application of power electronic **systems and technologies**, which encompass the effective use of electronic components, the application of circuit theory and design techniques and the development of analytical **methods and** tools toward efficient electronic conversion, control and conditioning of electric power **to enable the sustainable use of energy.**
- Once approved by the IEEE new wording will be posted on the web site for 30 days
  - Any objections from the membership requested
  - If less than 5% of membership objects then the change process is completed

The Field of Interest is in the IEEE TAB approval process and will be approved at the June Board Meeting unless objected to.

Motion to formal acceptance of the Bylaws – Pat Wheeler

Motion Carried

Motion: formal acceptance of Standing Committee Operating Procedures: Intersociety Liaison – Patrick Wheeler  
Motion Carried

Motion: formal acceptance of Standing Committee Operating Procedures: Conferences – Patrick Wheeler  
Motion Carried

Motion: formal acceptance of Standing Committee Operating Procedures: Long Range Planning– Patrick Wheeler  
Motion Carried

Motion: formal acceptance of Standing Committee Operating Procedures Document: Constitution and Bylaws– Patrick Wheeler  
Motion Carried

**Industry Advisory Board: Bill Peterson**

Motion: to form a Nominations Advisory subcommittee to the awards committee – Bill Peterson  
Motion Carried

**Fellow Evaluation Committee Report: Dushan Boroyevich – No Report**

**Nominations Committee Report: Don Tan – No Report**

**New Business:**

Motion to Adjourn: Alan Mantooth 2:51 pm  
Second Pradeep