

	Name	Title	Present Thursday	Present Friday	Absent
1	Frede Blaabjerg	President	X	X	
		President Elect			
2	Liuchen Chang	VP Conferences	X	X	
3	Brad Lehman	VP Products	X	X	
4	Yan-Fei Liu	VP Technical Operations	X	X	
5	Jinjun Liu	Exec VP Membership	X	X	
6	Mario Pacas	Exec VP Global Relations	X	X	
7	Peter Wilson	Exec VP Standards			X
	Alan Mantooth	Past President	X	X	
8	Braham Ferriera	Senior Past President	X	X	
9	Don Tan		X	X	
10	Jian Sun	Treasurer	X	X	
11	Patrick Wheeler	Constitution & Bylaws Chair	X	X	
		<u>TC Chairs</u>			
12		TC 1: Technical Committee Chair Power & Control Core Technologies		X	
	Rolando Burgos		X		X
13		TC 2: Technical Committee Chair Power Conversion Systems and Components	X		
	Robert Pilawa-Podgurski				
14	Uday Desphande	TC 3: Technical Committee Chair Motor Drives and Actuators			X
15		TC4: Technical Committee Chair Vehicle and Transportation Systems			x
	Alireza Khaligh				
16	Sudip Mazumder	TC 5: Sustainable Energy Systems	X	X	
17		TC 6: Technical Committee Chair High Performance and Emerging Technologies	X	X	
	Jin Wang				
18		TC 7: Technical Committee Chair Communications Energy Systems	X	X	
	Keiichi Hirose				
		<u>Members at Large 2017-2018-2019</u>			
19	Sibylle Dieckerhoff	Member-at-Large			X
20	Dan Kinzer	Member-at-Large	X	X	
21	Marco Liserre	Member-at-Large	X		
22	Annette Mütze	Member-at-Large			X
23	João O.P. Pinto	Member-at-Large	x	X	
24	Mark Dehong Xu	Member-at-Large	X	X	
		<u>Members at Large 2018-2019-2020</u>			
25	Marco Rivera	Member-at-Large			X
26	Johan Enslin	Member-at-Large	X	X	
27	Helen Li	Member-at-Large			X
28	Pradeep Shenoy	Member-at-Large	X		

29	Brad Lehman - DUP	Member-at-Large	X	X	
30	Noriko Kawakami	Member-at-Large			X
<u>Members at Large 2019-2020-2021</u>					
31	Vladimir Blasko	Member-at-Large	X		
32	Antonio Cardoso	Member-at-Large	X	X	
33	Udaya K. Madawala	Member-at-Large	X	X	
34	Axel Mertens	Member-at-Large			X
35	Maryam Saeedifard	Member-at-Large	X	X	
36	Shinzo Tamai	Member-at-Large	X	X	
<u>Non-Voting</u>					
	Andreas Lindemann	Awards Chair	X	X	
<u>Staff</u>					
	Mike Kelly	Society Executive Director	X	X	
	Donna Florek	Technical Community Program Specialist	X	X	
	Becky Boresen	Technical Community Program Specialist	X		X
	Jane Celusak	Project Manager	X	X	
	Alicia Tomaziewski	TEC Project Manager	X	X	
	Lindsey Sorensen	TPELS Administrator	x		X
<u>Guests</u>					
	Deepak Divian	Past President	X		X
	Philip Krein	Past President	X	X	
	Hirofumi Akagi	Past President	X	X	
	Dushan Bo	Past President	X	X	
	Cian O'Mathuna		X		
	Sanjib Panda		X	X	
	John Hawkins		X	X	
	Christina DiMarino		X	X	
	Ernie Parker		X	X	
	John Shen		X		
	Arthur Kelly		X		
	Ger Hurley	History Chair	X	x	
	Hanh-Phuc Le	TC 2 incoming chair	X	X	

Quorum Met

Motions From this Meeting

- **MOTION:** to approve 80k in funding for the Energy Access Working Group to support EBL Competition, Braham Ferreira
 - Second: Mario Pacas
 - **MOTION: Carried**
- **MOTION:** from Committee: Additional 600 pages for TPELS budget for 2019 at a cost of 37.7K
 - Carried
- **MOTION:** from Committee: Page budget of 13,200 pages for TPEL for 2020

- Carried
- MOTION: from Committee: Additional 500 page for JESTPE budget for 2019 at a cost of 12.9K
 - Carried
- MOTION: from Committee: Amended from 2600 to 2800: Page budget of 2800 pages for JESTPE for 2020,
 - Brad Lehman
 - Second: Robert Pilawa- Podgurski
- MOTION: from Committee: Page budget of 1,800 pages for TTE for 2020
 - Carried
- MOTION: from Committee: Page budget of 350 pages for the IEEE Power Electronics Magazine in 2020
 - Carried
- MOTION: from Committee: Digital Media & Education Initiatives request a budget of \$ 20,500 in 2020
 - Carried
- MOTION: from Committee: Under the newly introduced Accelerated Gold Open Access program, approved by the IEEE Board of Directors, PELS create needed Editorial Board and EIC posts, provide any needed editorial assistant staff support, and launch in 2019, a new (GOLD) Open Access Journal, titled "IEEE Open Journal of Power Electronics (Society)" (OJ-PES) to address and meet the mandate of PLAN S and to assure our members a viable PELS driven publication to meet their publishing needs"

Estimated to be \$50K in 2019, \$35K in 2020 and \$35K in 2021

 - Brad Lehman
 - Second: Liuchen Chen
- **MOTION:** from committee Tech OPS to approve the 2020 budgets for the 7 PELS TCs:
 - **Motion: Carried**
- **MOTION:** from Tech Ops to approve PELS IFEC budget for 2020 for 40K
 - **Motion: Carried**
- **MOTION:** from Tech Ops to approve ICDCM 2019 student travel grant \$8K,
- **MOTION:** to approve a new initiative of 40K in 2020 budget – this will create a new initiative called Technical Committees Growth and Support – Each TC for 20K for first year – Financial implications coming from new initiative of 2020 under line 1930 for a total of \$40K.
 - Yan-Fei Liu
 - Second: Sudip Mazumder
 - **MOTION: Carried** (This did not come from committee but from the VP).
- **MOTION:** from Committee – Approve ECCE 2020 budget and a loan of 50K made by ECCE Steering Committee.
 - **MOTION: Carried.**
- **MOTION:** Approve WiPDA 2020 proposal including budget and loan up to 15K made by TC6 and passed by Conferences Committee.
 - **MOTION: Carried.**
- **MOTION:** for 15K support for eGrid in 2019 for student grants.
 - Yan-Fei Liu
 - Second: Johan Enslin
 - **MOTION: Carried.**
- **MOTION:** from Membership Committee: Increase PELS Chapter award to 3 awards to included Small/Medium/Large best chapters separately" Details we have 106 regular chapters, 66 student chapters and nearly 10K members – Financial implications addition of 4K in yearly operational budget starting in 2020.
 - **MOTION: Carried.**
- **MOTION:** To add \$20K for PELS Day 2019 budget
 - Ger Hurley
 - Second: Liuchen Chang

- **MOTION:** to support PhD schools for membership development includes 15K for support to PhD schools (10K Europe/5K Asia)
 - Liuchen Chang
 - Second: Udaya Madawala
- **MOTION: Carried**
- **MOTION:** New initiatives on membership for 2020 budget – \$20K per year 3 year development Initiative for PELS Day celebrations and membership development.
 - Ger Hurley
 - Second: Brad Lehman
 - **MOTION: carried**
- **MOTION:** \$15K for a 3 year development Initiative for membership development through the support to PhD schools.
 - Liuchen Chang
 - Second: Sanjib Panda
 - **MOTION: carried**
- **MOTION:** Allocate 25K in 2019 for the organization of the promotional workshops in regions/countries with incipient PE activities and low or no presence of PELS.
 - Mario Pacas
 - **MOTION Carried**
- **MOTION:** Create a new PELS Initiative for Global membership Development and Support budgeted at \$30K in 2020 for the organization of promotional workshops in regions/countries with incipient PE activities and low or no presence of PELS.
 - Mario Pacas
 - **MOTION: Carried**
- **MOTION: Approval of the Op Procedures Documents**
 - Brad
 - Second: Alan Mantooth
 - **MOTION: Carried**
- **MOTION:** made by awards committee chair to approve IEEE McMurray Award for Industry Achievements in Power electronics – financial implication <= \$5500 USD from PELS budget
 - **MOTION: Carried**
- **MOTION:** from Initiative for \$25K budget for 2020 Cyber-Physical Security
 - **MOTION: Carried**
- **MOTION:** From initiative to approve \$24K for 2020 for Mentorship Program
 - **MOTION: Carried**
- **MOTION:** To initiate and prepare the PELS International Technology Roadmap of Power Electronics for Distributed Energy Systems (ITRD) during 2019
 - Liuchen Chang
 - Second: Sudip Mazmuder
 - **MOTION: Carried**
- **MOTION:** To launch and work on the PELS International Technology Roadmap of Power Electronics for Distributed Energy Systems (ITRD) during 2020
 - Liuchen Chang
 - Second: Sudip Mazmuder

Consent Agenda¹ – all Motions: combined to one motion (those that don't include finances).

- **MOTION:** to approve the sites, organizing teams and dates for ITEC 2020, 2021, 2022, from ITEC Steering Committee (TC4)
- **MOTION:** to approve the budget for PEDG 2020, from PEDG Steering Committee (TC5)
- **MOTION:** to approve the budget of WiPDA 2019 (TC6)
- **MOTION:** to approve WoW 2020 proposal including budget (TC6)
 - **MOTIONS: Carried**

Approval of Agenda

- **MOTION:** to approve the Agenda: Jian Sun
 - **Second:** Mario Pacas
 - **MOTION: Carried**

Approval of AdCom Minutes ECCE 2018 Portland

- **MOTION:** to approve the minutes: Yan Fei Liu
 - **Second:** Liuchen Chen
 - **MOTION: Carried**

Review of Remaining Action Items Frede Blaabjerg

- <https://app.smartsheet.com/b/publish?EQBCT=da9ab7b6cb7644f2ba8ed8bc8ba60511>

President's Report Frede Blaabjerg

- Welcome to new AdCom Members
- Review organizational governance within PELS
- Acknowledged new PELS Fellows- 9 by PELS, +3 elevated by IAS
- Update on PELS Officers Retreat
 - SWAT on the society
 - Followed up on Long Range Planning 2018
 - All VP areas were assigned tasks – will be presented at this Adcom
 - Made a global relations strategic plan
 - New Journals
 - TC structure
 - Reviewed budget for 2020
 - Focused on roadmaps and standards – new leadership
 - More focus on digital media/education
- Financial status of IEEE – see report
 - New model to fund IEEE presented
- Open Access (OA) in IEEE (accelerated)
 - Incl. IEEE Open Journal of Power Electronics
 - OA, once seeming a trivial aspiration, is now demanded
 - Open access will impact our subscription business regardless of decision on accelerated OA
 - Each society or council was offered a recommendation and made its own decision
 - We do know that successful OA depends on:
 - Reputation/Impact Factor of the journal
 - Speed to publication (under 10 weeks)
 - Reputation of Editorial Board
 - Plan calls for launching 11 new OA Journals, with overheads reduced for 3 years, then fully loaded
 - PELS Open Access GOLD Journal in 2019
 - Why now?
 - Other publishers are moving fast
 - Straight forward approval from PSPB – no application process
 - TAB and BoD have approved
 - We get a reduced fee the first 3 years
 - Our sister societies are doing it too

- Title: “IEEE Open Journal of Power Electronics”
 - We need vision, novelty, editors, AEs, etc.: HELPFUL and NEW!!
 - Shared costs (supplements) from IEEE so we do not have all the costs
 - Driven by open access mandates from Europe
 - Scope of Journal is the same scope as PELS. (not allowed to alter)
 - BUT emphasis can be different than our other journals
 - Need very fast review times to be successful << 8 weeks to final decision.
 - Need Editors, AEs, reviewers, planning, etc.
- Discussed focus Areas for 2019-2020
 - OA Journal one the way, and one with TIE
 - Post Graduate School support (1-3 schools, DL can be used as a resource)
 - Better TC structure
 - Milestone event- What is the next one?
 - Industrial Awards- McMurray, Delta
 - PELS Day – “PELS Birthday” 20 June – Global impact
 - Revisit organization as more VP’s become elected
 - PELS Annual meeting – a la PESC in the past – committee established – combined with PELS summit
 - Get initiatives integrated into our structure
 - Global growth in membership – some regions have high potential
 - Market Analysis – Mike Kelly is the lead
 - Strengthen Global relations – other organizations

Treasurers Report Jian Sun

- Presented 2018 summary – unofficial
 - Expenses YDT Excluding Projects: \$6,253.8K
 - Operation Net Excluding Projects: \$525.1K
- 2017 YE Reserve = \$8,206K
- Unofficial - Estimated 2018 Net = \$531.7K
- Unofficial Operation Net (excluding projects) \$531.8K, 50% = \$265.9K
- Estimated Reserve = \$8,738.6K
 - 3% of Reserve = \$262.1K
- Financial Impacts – 2019 (Based on 50% Rule) – See report for breakdowns

Milestone Program/ PELS/History Chair Gerard Hurley

- SCR/Thyristor dedication, 14 June – Clyde, NY USA
- Need a budget and support for invited guests

Energy Access Working group Deepak Divan

- DEAS
 - Feb 5-6 2019, Atlanta, GA, USA – 50 attendees
- Empower a Billion Lives
 - Two tracks: Decentralized Model and Centralized Utility Model
 - 459 teams registered - 70+ countries - 120+ student teams - 137 proposals accepted
 - 82 teams invited to 1 of 5 Regional “Shark Tanks”
 - Finals are scheduled for ECCE-NA 2019
 - Actions- to raise 300-450K in the next 3-5 months
- **MOTION: to approve 80k in funding for the Energy Access Working Group to support EBL Competition, Braham Ferreira**

- Second: Mario Pacas
- **MOTION: Carried**

Nominations Committee

Alan Mantooth

- Appointments to NomCom: Chair +9
- Elections in Fall 2019
 - President Elect
 - VP of Membership
 - VP of Global Relations
 - VP of Standards
 - Potential problem with filling the slate with two candidates
 - Members at Large

VP Products Report

Brad Lehman

- NEW EIC for 2019
 - Yaow-Ming Chen, TPELS
 - Impact factor is 6.812, placing it in the top five journals in impact factor in electrical engineering
 - Joseph Ojo, JESTPE
- MOTION: from Committee: Additional 600 pages for TPELS budget for 2019 at a cost of 37.7K
 - Carried
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Estimated to be \$50K in 2019, \$35K in 2020 and \$35K in 2021
 - Brad Lehman
 - Second: Liuchen Chen

Strategic Planning Committee

Braham Ferreira

- Functions of the SPC
 - Propose five-year goals for the Society and strategies
 - And update and present the five-year plan for approval by Adcom every even-numbered year
- Oversee Long Range Planning on even years, FEPPCON on odd years

- Reviewed the newly updated Strategic Planning Organization
- FEPPCON – new location - Tromsø, Norway; June 25-29, 2019
 - Reduces cost by 1/3

VP Technical Operations Report

Yan Fei Liu

- More people to get involved in TC Leadership with three elected officers and 4 appointed.
- There are more activities slated for each TC
- Student Travel Grant Management – has been some confusion – proposing a procedure where the conference pays the checks – Alicia is the contact for this – this will reduce PELS staff workload
- Data sharing with Google Drive – each TC will have a coordinator for communicating with people in China. A small committee will decide data storing protocols (4 people from TCs the Chair and Alicia). China options may include using Baidu Cloud and synchronizing with Google; the committee will work with CPSS to find the best option.
- TC Structure Discussion – an Adhoc committee was formed, members include Yan-Fei, Don Tan, Braham Ferreira, Brad Lehman and Robert Pilawa-Podqurski. – Criteria for creating a new TC is there must be a flagship conference, represent future technology and have a group of core people. A new TC will graduate from TC6 generally.
- To sunset a TC – AdHoc committee – to determine if the TC will convert to a technical thrust in a TC, convert to a working group, etc.
- ECCE 2019 update includes promotion and review of the technical program; and, budget and additional segments for the EBL final competition of 23 teams.
- Focus of activities for ECCE 2019 includes the technical program, growth of exhibition, a better location for exhibition, more value, more accurate budget forecasting/control and best support of EBL.
- TC1 – Summary reviewed. TC2 Summary reviewed. TC3 Summary reviewed – new election in summer 2019 – with new members starting in Jan 2020. A technical Achievement award is planned for 2020. TC4 Summary reviewed. TC5 Summary reviewed which included a new thrust structure. TC6 Summary reviewed. TC7 Summary reviewed noting there is a change from Tradition Telecom to Communications Power Systems. IFEC – locations reviewed, impact through the year’s shows IFEC engages more than 1000 of the most talented undergraduate students and many enter the power electronics field.
- Discussion – perhaps we can give a travel grant for a student to use for a future conference when they have a paper for a current conference and are going to come anyway. Need to have some consistency in how much the travel grants are TC to TC and Conference to Conference. A cap needs to be established. Have a committee to establish the guidelines.
- **MOTION: from committee Tech OPS to approve the 2020 budgets for the 7 PELS TCs:**
 - **Motion: Carried**
- **MOTION: from Tech Ops to approve PELS IFEC budget for 2020 for 40K**
 - **Motion: Carried**
- **MOTION: from Tech Ops to approve ICDCM 2019 student travel grant \$8K,**
- **MOTION Discussion: from Tech Ops to increase the special session of sustainable energy systems in ECCE 2019, request funding as new initiative for 2019 increase from \$8K to 13K**
Financial Implications: requesting funds from 2019 Conference Development and growth program \$30K budgeted, asking to allocate \$13K from this initiative budget. We are not adding to new initiatives but taking from Conference Development. The title of the slide was changed from Request to Draw from 2019 New Initiatives Fund – Liuchen Chang was asked if he would approve this – if the VPs of Conferences and Tech Ops agreed and the
 - **MOTION: was withdrawn from the floor.**

New Initiatives request from Technical Ops for 2020.

Discussion – with the understanding that TC6 is an incubator; is this deciding that new TCs are approved? It is not stating there are approved TCs but if new TCs are approved they will need funding and this will provide \$20K as sufficient coverage for the first year; the average TC funding is more.

As we need to put our budget in early for 2020 we need to do this now or we would have to wait to 2021.

- **MOTION:** to approve a new initiative of 40K in 2020 budget – this will create a new initiative called Technical Committees Growth and Support – Each TC for 20K for first year – Financial implications coming from new initiative of 2020 under line 1930 for a total of \$40K.
 - Yan-Fei Liu
 - Second: Sudip Mazumder
 - **MOTION: Carried** (This did not come from committee but from the VP).

VP Conferences Report

Liuchen Chang

- Both Conferences and Products are growing.
- Financials Reviewed
- New Developments in Conferences and relevant anniversaries of conferences reviewed.
- 2019-2020 plans: high-level goals of enhancing the experience of attendees, advocating the value of grass roots volunteerism, foster PELS leadership in the conferences, and work with TCS to establish or identify a home conference.
- Specific plans: implement and follow-up on strategic action items, continue developing PELS conference guidelines, continue to collect data, present conference budget more accurately, collaborate with sister societies re: reporting of PELS conferences.
- TC 2 & 3 need to identify flagship conferences
- Discussion – loans don't hit us operationally and it is the same as was asked for the last few years.
- **MOTION:** from Committee – Approve ECCE 2020 budget and a loan of 50K made by ECCE Steering Committee.
 - **MOTION: Carried.**
- **MOTION:** Approve WiPDA 2020 proposal including budget and loan up to 15K made by TC6 and passed by Conferences Committee.
 - **MOTION: Carried.**

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- **MOTION:** to approve the budget of WiPDA 2019 (TC6)
- **MOTION:** to approve WoW 2020 proposal including budget (TC6)
 - **MOTIONS: Carried**

Comment – when there is a consent agenda, there needs to be an appendix, which leaves in the original motions details such as having one slide for each motion that is being grouped in the consent agenda.

1 – Appendix 1 – Consent Agenda Motions

Question - where is the motion for student travel grants in this consent for eGrid; response it should come from the TC – so it was not proposed in Tech Ops or Conferences.

- **MOTION:** for 15K support for eGrid in 2019 for student grants.
 - Yan-Fei Liu
 - Second: Johan Enslin
 - **MOTION: Carried.**

Question raised regarding 3K in SPEC Funding; this may come from OPS and is noted.

Jian Sun – asked about if there was any need for support for FEPPCON; response it is in the budget.

Executive VP Membership

Jinjun Liu

- Membership Status year over year – reviewed. Positive trends – 2018 reached 9835 – 10,000 seems achievable for 2019.
- IEEE uses August data (which has PELS at 9185) an 8.2% increase in 2018.
- Reviewed the established framework, which may relate to the positive membership increase.
- Organizational structure reviewed.
- Operational procedure review: regular meetings are set up and held for Membership, APEC, ECCE, Chapters, and Subcommittees.
- Fundamental approaches reviewed.
- Review of recent actions shows implementation of nearly all items.
- Weakness and threats analysis review
- Strategic plan: stay with framework, train committee members and chapter leaders, better understand the community, do a pilot run for 3-5 year members by creating PELS digital currency and develop a better understanding of conference financial health; will await result of market analysis.
- Next steps: action items not yet completed include having regional DL's, this is a focus of this year; updating checklist with timetable for staff to execute as routine membership work; support to PhD schools.
- Discussion: how do you determine size of chapter? There are metrics from other societies.
- **MOTION:** from Membership Committee: Increase PELS Chapter award to 3 awards to included Small/Medium/Large best chapters separately” Details we have 106 regular chapters, 66 student chapters and nearly 10K members – Financial implications addition of 4K in yearly operational budget starting in 2020.

- **MOTION: Carried.**

Items on budget for additional spending for 2019: PELS Day 2019

- **MOTION:** To add \$20K for PELS Day 2019 budget
 - Ger Hurley
 - Second: Liuchen Chang
- **MOTION: Carried**

Discussion – what is meant by PhD school? Students meet and lecturers fly in and provide courses and the student get credit, networking, etc. Also noted is that the number projected for Europe is probably too high and Asia is probably higher.

- **MOTION:** to support PhD schools for membership development includes 15K for support to PhD schools (10K Europe/5K Asia)
 - Liuchen Chang
 - Second: Udaya Madawala
- **MOTION: Carried**

Membership loyalty gift for 2019. This gift is generally for long-time members and Membership would like to give this to newer members (last three years). Discussion – there is a concern of how the money is going in the 2019 budget and it may be better to do this every other year. This item postponed to 2020.

- **MOTION:** New initiatives on membership for 2020 budget – \$20K per year 3 year development Initiative for PELS Day celebrations and membership development.
 - Ger Hurley
 - Second: Brad Lehman
- **MOTION: carried**
- **MOTION:** \$15K for a 3 year development Initiative for membership development through the support to PhD schools.

- Liuchen Chang
- Second: Sanjib Panda
- **MOTION: carried**

New initiatives are on the 1930 cost center.

Comment that when we have initiative there should be some reporting relating to effectiveness.

Executive VP of Standards Peter Wilson

- No report

Executive VP for Global Relations Mario Pacas

- Outline of the situation, achievements, challenges and ideas, and tasks, investigate where there are PE activities and not correlating membership.
- Cooperation with PCIM and ECPE, sponsorship of the PhD school in Italy, support of PE communities in Columbia and Mexico, learning lessons about the image of PELS in some regions.
- Presence of PELS in some countries needs to be improved. More involvement of PELS in education can be a vehicle, support in curricula development, modernizing and setting up labs, database for open source teaching material, funding of promotional workshops.
- Process of application to have a workshop reviewed.
Discussion of promotional workshops: what is the longevity, what about the DL series, should this start as a pilot? Response: DL doesn't work because these areas don't have a chapter.
Note: the aim of the workshop is to bring the local PE community together for giving the initial thrust for the founding of chapters or revitalizing the existing ones.
- **MOTION: Allocate 25K in 2019 for the organization of the promotional workshops in regions/countries with incipient PE activities and low or no presence of PELS.**
 - Mario Pacas
 - **MOTION Carried**
- **MOTION: Create a new PELS Initiative for Global membership Development and Support budgeted at \$30K in 2020 for the organization of promotional workshops in regions/countries with incipient PE activities and low or no presence of PELS.**
 - Mario Pacas
 - **MOTION: Carried**

Constitution and Bylaws Committee Patrick Wheeler

- Added a word to the consent decree.
- Reminder to chairs to review 7.5 in bylaws, the Op Procedures Document for the Strategic Planning Committee 2019 was approved.
- **MOTION: Approval of the Op Procedures Documents**
 - Brad
 - Second: Alan Mantooth
 - **MOTION: Carried**

Awards Andreas Lindemann

- Current awards reviewed
- Need five Adcom members to help work through the McMurray award – put forth by IAB. Sudip, Brad, Johan, Marco, Pat volunteered.
- IEEE Power Electronics Emerging Technology Award (\$1,500 USD) – TC6 High Performance and Emerging Technologies. This is a new award, released by Tabarc with minor changes – nominations for 2019 open until 31 March.
- Anyone considering an award to contact Andreas

- Conclusion: field awards, society level, TC level growing, continuous development need release required. Please nominate for 2019.
- It was questioned as to if the McMurray Award is only for people in industry? Answer: it does not exclude academia as people jump back and forth. A carried MOTION: on this award does not mean it is approved as it requires higher level IEEE approval.
- **MOTION: made by awards committee chair to approve IEEE McMurray Award for Industry Achievements in Power electronics – financial implication <= \$5500 USD from PELS budget**
MOTION: Carried
Discussion from Women in Engineering statistics regarding how many women are members and how many get awards. The AdCom has been requested to please think about this when making nominations.

Past Presidents Update

Alan Mantooth

- Members Town Hall Meeting – discussion of cost, outcome
- PELS Day – Alireza Khaligh – Chair – planning underway – Logo approved – June 20 is the day – need to define the metrics for success
- Cyber-Physical Security – started in 2016 – gave a year hiatus – CyberPELS Workshop April 30 – May 1, Special Section in JESTPE – Institutional CPSI work with PELS Exec Committee and AdCom to find a home – Leadership Migration, reach out to other societies. May belong in TC6.
- **MOTION: from Initiative for \$25K budget for 2020 Cyber-Physical Security**
 - **MOTION: Carried**
- Mentorship program: Initiative is ageing out and needs a home in 2020 and probably goes under membership. Steering committee reviewed, rolling out to ECCE Asia 2019. Committee work review for developments.
- **MOTION: From initiative to approve \$24K for 2020 for Mentorship Program**
 - **MOTION: Carried**

Financial implication is this is the same coverage with one event abroad – increase of 4K. This is actually an initiative for another two years.

ITRD - Coming from: Liuchen Chang with the support of Sudip Mazmuder, Juan Carlos Balda, and Wei Qiao

- **MOTION: To initiate and prepare the PELS International Technology Roadmap of Power Electronics for Distributed Energy Systems (ITRD) during 2019**
 - Liuchen Chang
 - Second: Sudip Mazmuder
 - **MOTION: Carried**
- Description: Distributed energy resources are rapidly growing in grids with power electronics technologies enabling additional functionalities and value-added services. The initiation of PELS led initiative of ITRD is timely. It is proposed to initiate and prepare ITRD during 2019, for a formal launch in 2020
- Outcome: Financial Implications: \$9,000 from operating budget for workshops, white paper preparation/printing, stakeholder engagement and promotion
- Two comments: This is an excellent idea; and, a good product that promotes PELS
- Major focus is it grid connected and not too much on stand-alone - would expand to include off-grid – look at what does the grid look like in the future. Will have a number of working groups
- Coming from: Liuchen Chang With the support of Sudip Mazmuder, Juan Carlos Balda, and Wei Qiao
- **MOTION: To launch and work on the PELS International Technology Roadmap of Power Electronics for Distributed Energy Systems (ITRD) during 2020**
 - Liuchen Chang
 - Second: Sudip Mazmuder
 - **MOTION: Carried**

- Description: It is proposed to launch and work on ITRD during 2020 (first year of the initiative), with the tasks of ITRD events and promotion, formation of Working Groups, stakeholder engagement, Working Group meetings
- Financial Implications: \$23,000 from PELS Initiatives

Financial implication of this AdCom

Jian Sun

- Available funds covered
- Products increase
- Tech ops
- Conference e-Grid Travel
- Membership
- Global Relations
- EBL
- ITRD:
- Total request is slightly under the amount available for 2019 based on the 50% rule.
- 2020 increase over 2019 budget biggest increase is in page increase (products)
- New Initiatives for next year 2020 – limited to 3% of Reserve and projects need IEEE approval – the itemized list is within tolerance. This will be finalized in the summer.
- Questions regarding where some items that were approved are in the budget but some are in existing initiatives.

Adjourn

- **MOTION: To Adjourn**
 - Alan Mantooth
 - Second: Pat Wheeler
- **MOTION: Carried (11:06 a.m. PDT)**

APPENDIX 1