

# PELS Overview 2019 Status

**Systems Council Spring AdCom 2019**  
**Orlando, FL, USA**  
**April 12, 2019**  
**Ernie Parker**

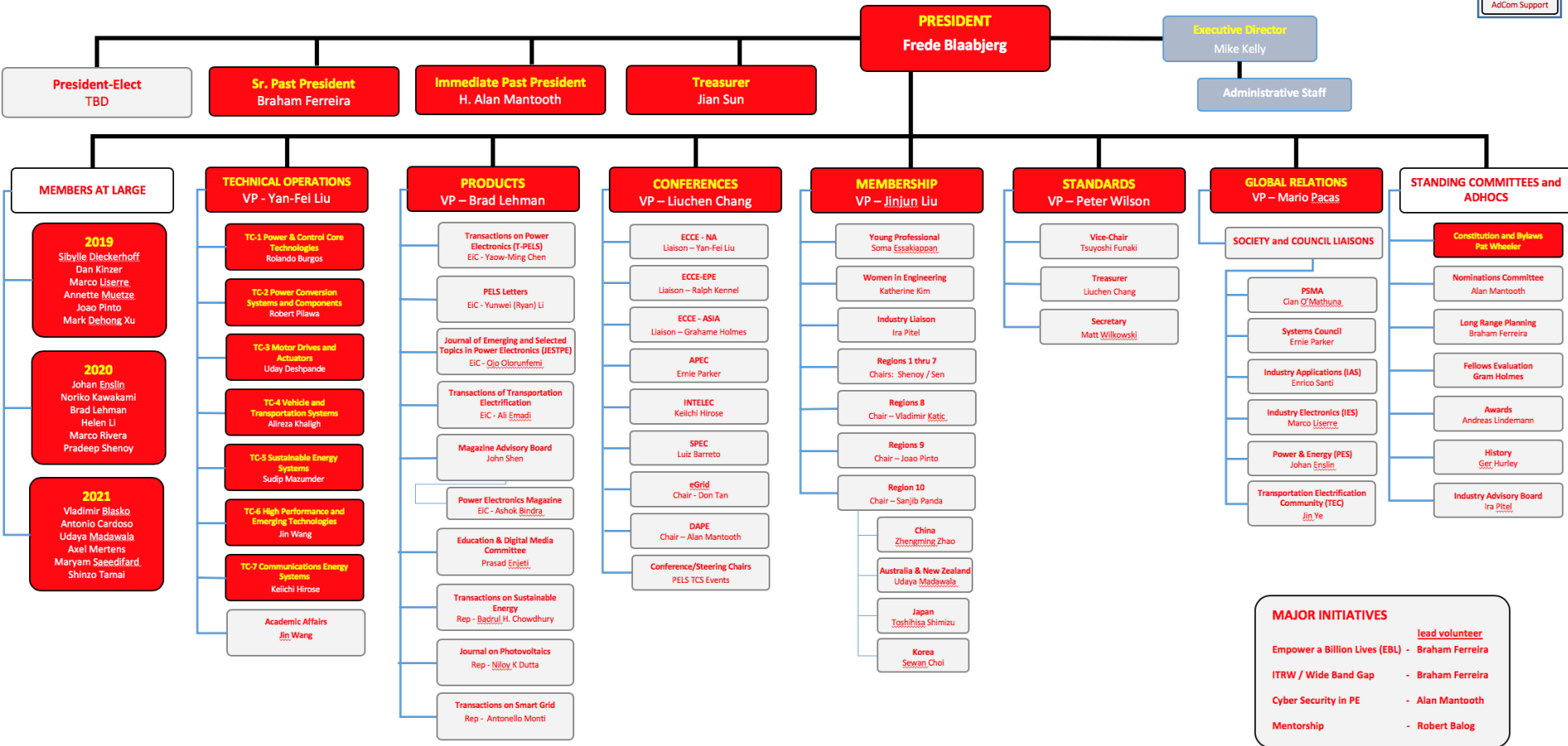
# PELS Status

- PELS Organisation overview
- Focus areas in 2019-2020

# PELS

## PELS Organizational Overview 2019

VOTING MEMBER of AdCom  
NON-VOTING or AdCom Support



- MAJOR INITIATIVES**
- Empower a Billion Lives (EBL) - Braham Ferreira *lead volunteer*
  - ITRW / Wide Band Gap - Braham Ferreira
  - Cyber Security in PE - Alan Mantooth
  - Mentorship - Robert Balog

# Key Points from President's report (Spring AdCom @ APEC, March 18-19)

- 8 new PELS evaluated IEEE Fellows for 2019 (+ 3 PELS members IAS evaluated)
- PELS 2018 financial IAW budget; PELS continues positive net surplus
- Accelerated move to Open Access (OA) will impact subscription business; strategy in place to maximize success
- Review of PELS Officer Retreat
  - SWOT developed / reviewed at AdCom
  - Follow-up on 2018 long range planning; develop 2019/20 tactical plan
  - Review of existing and new initiatives

# New PELS evaluated IEEE Fellows 2019

- **Patrick Chapman** : for application of power electronics devices and systems for solar energy conversion
- **Zhe Chen** : for contributions to power electronics for wind energy conversion
- **Sewan Choi** : for contributions to power converter technologies
- **Jose Cobos** : for contributions to power supply systems
- **Timothy Green** :for contributions to power electronics for power systems control
- **Jinjun Liu** :for contributions to modeling and control of power systems
- **David Torrey** : for contributions to modeling, design, and control of electric machines and drives
- **Shuo Wang** : for contributions to reduction of electromagnetic interference in electronic systems
- **Richard Zhang** : for leadership in development of power electronic converters

+ 3 more PELS members – IAS evaluated

# Society/Council Financial Summary – 2018/2019

(\$ thousands)	2018 Budget			2018 Forecast			2019 Budget		
	Revenue	Expense	NET	Revenue	Expense	NET	Revenue	Expense	NET
<b>Society Membership</b>	6,800	----	6,800	6,861	----	6,861	6,698	----	6,698
Member Revenue - Subscriptions	2,789	----	2,789	2,643	----	2,643	2,451	----	2,451
Non Member Revenue - gross	5,596	----	5,596	5,578	----	5,578	4,550	----	4,550
Non Member - indirect corp over	(1,078)	----	(1,078)	(1,170)	----	(1,170)	(812)	----	(812)
NonMember - Total	4,518	----	4,518	4,408	----	4,408	3,738	----	3,738
ASPP & Packaged Product Distribut	41,987	3,572	38,415	42,831	3,725	39,107	43,925	3,648	40,277
ASPP - AICTE	2,870	560	2,310	1,778	370	1,408	1,889	384	1,505
Publications - Other	17,152	45,377	(28,225)	21,293	43,633	(22,340)	20,475	41,988	(21,513)
<b>Publications</b>	<b>69,316</b>	<b>49,509</b>	<b>19,807</b>	<b>72,953</b>	<b>47,727</b>	<b>25,226</b>	<b>72,478</b>	<b>46,020</b>	<b>26,458</b>
Conferences	112,687	91,255	21,432	126,820	102,135	24,685	113,797	96,646	17,151
Conf Pubs & Pkgd Product Distribu	32,008	8,574	23,434	32,114	8,366	23,748	33,129	9,412	23,717
<b>Conferences</b>	<b>144,695</b>	<b>99,829</b>	<b>44,866</b>	<b>158,934</b>	<b>110,501</b>	<b>48,433</b>	<b>146,926</b>	<b>106,057</b>	<b>40,869</b>
Committee & Exec Office	5,258	41,456	(36,198)	4,508	38,688	(34,180)	4,155	42,871	(38,716)
TAB Support	----	18,427	(18,427)	----	16,669	(16,669)	----	18,692	(18,692)
Corporate Direct	----	5,291	(5,291)	----	5,291	(5,291)	----	5,058	(5,058)
Operations & Admin - Other	----	4,322	(4,322)	----	4,322	(4,322)	----	4,709	(4,709)
<b>Operations</b>	<b>5,258</b>	<b>69,496</b>	<b>(64,238)</b>	<b>4,508</b>	<b>64,970</b>	<b>(60,462)</b>	<b>4,155</b>	<b>71,329</b>	<b>(67,174)</b>
<b>Total (prior to Projects)</b>	<b>226,069</b>	<b>218,834</b>	<b>7,235</b>	<b>243,256</b>	<b>223,198</b>	<b>20,058</b>	<b>230,256</b>	<b>223,406</b>	<b>6,850</b>
<b>Society/Council Projects</b>	<b>----</b>	<b>2,397</b>	<b>(2,397)</b>	<b>524</b>	<b>3,748</b>	<b>(3,225)</b>	<b>----</b>	<b>2,509</b>	<b>(2,509)</b>
<b>Total from Operations</b>	<b>226,069</b>	<b>221,231</b>	<b>4,838</b>	<b>243,780</b>	<b>226,946</b>	<b>16,834</b>	<b>230,256</b>	<b>225,915</b>	<b>4,341</b>

Note:  
 2019B based on 2018B  
 2019 C&O includes Pubs  
 Mktg, Special Init – 800k  
 2019 TAB Support  
 includes CFMR/ICX - 850k

## A new model to fund IEEE under discussion – flat rate

# Initiatives

- OA Journal (on the way) + one joint with TIE etc
- Post Graduate Schools (1-3 places, DLs are resource to lecture)
- Better TC structure – member should be able all time to find one – ECCE'2019
- Milestone event
- Industrial oriented awards (McMurray, Delta)
- PELS day – June 20 – Global impact
- New strategic plan 2020-2025 – process initiate during spring
- 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
- Membership survey – for strategic plan 2020-2024
- Intersociety activities
- Strengthen Global relations – other organizations



# Summary

- PELS is organizational in good shape
- PELS financially sound (+\$500k in 2018)– thanks to conferences and paper downloads
- Room for careful selected initiatives at different levels
- Do more to engage memberships
- Offer highly respected products
- Involved in +30 conferences
- Our technical field is a booming area – large potential for growth
- Some countries have large membership potential – IEEE makes a difference
- Need to foster next generation of PELS leaders
- PELS can make a difference in terms of career, professional networking, roadmaps and standards
- Work on engaging industry members
- Large potential for inter-society and international collaboration
- Do we catch the new technology areas ?