



IEEE Aerospace Electronic Systems VP Finance

Peter Willett

(with thanks to Bob Rassa & Mike Cardinale)

2022 AESSE Fall Board of Governors Meeting

21-22 October 2022

Edinburgh, Scotland, UK

➤ Strengths:

- We have continuously generated a substantial surplus, primarily from Publications (overlength page charges) and Conferences (profits & post-conference downloads).
- We have an excellent reserve amount.
- Our membership numbers are (IMO) stable.
- Publications and conference are popular and (mostly) quite profitable.
- Virtual DL program, plus significant (underpriced) “investment” in recorded lectures.

➤ Weaknesses:

- We are out of step with IEEE on OA, both journals and (possibly) conferences.
- We are involved but not central in fast moving “sexy” areas like ML and Quantum.

➤ Opportunities:

- Initiatives to enhance relationship with students (events and scholarships), members (publications, conferences and education) and under-represented regions (outreach).
- OA: dedicated publication or IEEE Access section.

➤ Threats:

- OA: reduced IEL revenue, conference concern in future.
- New China rules.

Summary Budget – Revenue



			FY21	FY22	FY22	FY23	FY23	FY23
			Final	Final	Final	First View	First Pass Input	First Pass
			Total Plan	Total Plan	Total Plan	Total Plan	Total Plan	Total Plan
			Actual	Budget	Jul Fcst	Budget	Budget	Budget
			YearTotal2	YearTotal	YearTotal	YearTotal	YearTotal	YearTotal
PD_000000 - None	CC_21020 - Meetings /Conference		8.9	16.6	8.3	17.1	17.1	17.1
PD_000000 - None	CC_21030 - Soc Publication Related Support		0.0	0.2	0.1	0.2	0.2	0.2
PD_505002 - Society Education Products			0.1		0.0			
PD_306001 - Society Membership			84.6	79.7	85.1	84.3	84.3	84.3
PD_140009 - Aerospace & Electronic Conferences Digital Library				0.0				
PD_120023 - Trans on Aerospace & Electronic Systems			806.5	1064.3	1186.7	1190.8	1190.8	1190.8
PD_120111 - Journal of Lightwave Technology			35.6	48.3	50.3	51.9	51.9	51.9
PD_120152 - IEEE Journal of Miniaturization for Air & Space Systems			0.7	1.8	1.5	1.6	1.6	1.6
PD_120160 - Open Journal of Systems Engineering						4.7	4.7	4.7
PD_120166 - Transactions on Radar Systems						7.8	7.8	7.8
PD_110008 - Aerospace & Electronic Systems Magazine			150.6	186.8	219.7	168.3	168.3	168.3
PD_220006 - Conference Distributed Package Products			729.5	1238.1	1276.9	1247.8	1247.8	1247.8
PD_210102 - (WiSEE)International Conference on Wireless for Space and Extreme En			0.0		0.0			
PD_210103 - (MetroAeroSpace)International Workshop on Metrology for AeroSpace			22.5	47.2	0.0			
PD_210161 - Aerospace Conference			227.5	826.8	826.8			
PD_210219 - (ICNS)Integrated Communications, Navigation, Surveillance Conference			10.2		0.0			
PD_210245 - (DASC)Digital Avionics Systems Conference			73.6	75.0	76.4			
PD_210485 - Radar Conference			691.6	848.8	834.5			
PD_210585 - Other Conference Events			-209.8	290.6	376.9	1916.9	1649.1	1649.1
PD_210608 - (FUSION)International Conference on Information Fusion			55.6		38.8			
PD_210645 - AUTOTESTCON			-43.3		-21.4			
Operational rev			2644.3	4724.2	4960.5	4691.4	4423.7	4423.7

change from net to gross



placeholder



Summary Budget – Expense



		Final Total Plan Actual YearTotal2	Final Total Plan Budget YearTotal	Final Total Plan Jul Fcst YearTotal	First View Total Plan Budget YearTotal	First Pass Input Total Plan Budget YearTotal	First Pass Total Plan Budget YearTotal
PD_000000 - None	CC_21015 - Societies Operations	466.0	665.5	682.7	695.1	791.5	790.1
PD_000000 - None	CC_21020 - Meetings /Conference	27.7	50.8	37.5	53.0	53.0	53.0
PD_000000 - None	CC_10130 - Education Committee	3.0	1.0	0.0	1.0	1.0	1.0
PD_000000 - None	CC_10135 - Membership Committee	1.5	1.0	0.9	1.0	1.0	1.0
PD_000000 - None	CC_10140 - Awards Committee	2.8	16.5	3.3	16.5	16.5	16.5
PD_000000 - None	CC_10155 - Chapter Committee	8.2	30.0	19.0	30.0	30.0	30.0
PD_000000 - None	CC_10160 - Other Committee	0.0	15.0	0.0	15.0	15.0	15.0
PD_505002 - Society Education Products		4.0	3.0	0.0	3.2	3.0	3.0
PD_306001 - Society Membership		2.4	0.2	6.6	2.5	2.5	2.5
PD_140009 - Aerospace & Electronic Conferences Digital Library		5.5	5.9	5.9	5.8	5.8	5.8
PD_120023 - Trans on Aerospace & Electronic Systems		208.4	594.6	575.0	615.7	618.2	618.2
PD_120111 - Journal of Lightwave Technology		16.9	34.4	33.8	36.0	36.0	35.8
PD_120152 - IEEE Journal of Miniaturization for Air & Space Systems		0.9	1.9	1.4	2.4	2.4	2.9
PD_120160 - Open Journal of Systems Engineering				0.0	6.5	6.5	6.5
PD_120166 - Transactions on Radar Systems					10.9	10.9	10.9
PD_110008 - Aerospace & Electronic Systems Magazine		173.5	261.8	238.8	160.6	262.9	262.9
PD_220006 - Conference Distributed Package Products			669.2	684.7	678.3	678.3	678.3
PD_210102 - (WISEE)International Conference on Wireless for Space and Extreme En		0.0		0.0			
PD_210103 - (MetroAeroSpace)International Workshop on Metrology for AeroSpace		19.1	41.3	0.0			
PD_210161 - Aerospace Conference		195.6	688.6	688.6			
PD_210219 - (ICNS)Integrated Communications, Navigation, Surveillance Conference		8.3		0.0			
PD_210245 - (DASC)Digital Avionics Systems Conference		49.7	40.0	40.0			
PD_210485 - Radar Conference		449.3	678.8	672.6			
PD_210585 - Other Conference Events		-69.1	229.7	268.3	1570.8	1223.0	1223.0
PD_210608 - (FUSION)International Conference on Information Fusion		42.6		30.5			
PD_210613 - (IWQOS)International Symposium on Quality of Service				0.0			
PD_210645 - AUTOTESTCON		0.0		5.9			
PD_210668 - (SusTech)Conference on Technologies for Sustainability				0.0			
Operational Exp		1616.3	4029.0	3995.5	3904.3	3757.5	3756.3

change from
net to gross



place-
holder



Summary Budget – Bottom Line



			FY21 Final Total Plan Actual YearTotal2	FY22 Final Total Plan Budget YearTotal	FY22 Final Total Plan Jul Fcst YearTotal	FY23 First View Total Plan Budget YearTotal	FY23 First Pass Input Total Plan Budget YearTotal	FY23 First Pass Total Plan Budget YearTotal
Total from Operations			1028.0	695.2	965.1	787.1	666.2	667.3
Total Expense	PD_000000 - None	CC_21065 - Society Initiatives	0.0	0.0	0.0	0.0	0.0	172.0
Total Expense	PD_000000 - None	CC_21075 - IEEE Reserve Allocation	-1232.0		0.0			
Total Net	All Product	All Cost Center	2259.9	695.2	965.1	787.1	666.2	495.3



Summary Budget



	FY20			FY21			FY22			FY23			FY23			FY23		
	Actual			Actual			Budget			Budget			Budget			Budget		
	Final			Final			Final			First View			First Pass Input			First Pass		
	Revenue	Expense	Net	Revenue	Expense	Net	Revenue	Expense	Net	Revenue	Expense	Net	Revenue	Expense	Net	Revenue	Expense	Net
CC_10130 - Education Committee	-	1.5	(1.5)	-	3.0	(3.0)	-	1.0	(1.0)	-	1.0	(1.0)	-	1.0	(1.0)	-	1.0	(1.0)
CC_10135 - Membership Committee	-	4.3	(4.3)	-	1.5	(1.5)	-	1.0	(1.0)	-	1.0	(1.0)	-	1.0	(1.0)	-	1.0	(1.0)
CC_10140 - Awards Committee	-	9.2	(9.2)	-	2.8	(2.8)	-	16.5	(16.5)	-	16.5	(16.5)	-	16.5	(16.5)	-	16.5	(16.5)
CC_10155 - Chapter Committee	-	0.1	(0.1)	-	8.2	(8.2)	-	30.0	(30.0)	-	30.0	(30.0)	-	30.0	(30.0)	-	30.0	(30.0)
CC_10160 - Other Committee	-	-	-	-	-	-	-	15.0	(15.0)	-	15.0	(15.0)	-	15.0	(15.0)	-	15.0	(15.0)
CC_21015 - Societies Operations	-	483.2	(483.2)	-	466.0	(466.0)	-	665.5	(665.5)	-	695.1	(695.1)	-	791.5	(791.5)	-	790.1	(790.1)
CC_21020 - Meetings /Conference	16.4	43.8	(27.4)	8.9	27.7	(18.8)	16.6	50.8	(34.2)	17.1	53.0	(35.9)	17.1	53.0	(35.9)	17.1	53.0	(35.9)
CC_21030 - Soc Publication Related Support	0.0	-	0.0	-	-	-	0.2	-	0.2	0.2	-	0.2	0.2	-	0.2	0.2	-	0.2
CC_21065 - Society Initiatives	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172.0	(172.0)
CC_21075 - IEEE Reserve Allocation	-	(1,007.4)	1,007.4	-	(1,232.0)	1,232.0	-	-	-	-	-	-	-	-	-	-	-	-
PD_500000 - Education Products	0.1	3.0	(2.9)	0.1	4.0	(3.9)	-	3.0	(3.0)	-	3.2	(3.2)	-	3.0	(3.0)	-	3.0	(3.0)
PD_300000 - Membership Products	87.7	0.2	87.5	84.6	2.4	82.1	79.7	0.2	79.5	84.3	2.5	81.8	84.3	2.5	81.8	84.3	2.5	81.8
PD_100000 - Periodical Products	935.6	371.7	563.9	993.3	405.2	588.2	1,301.2	898.4	402.8	1,425.1	837.9	587.2	1,425.1	942.6	482.5	1,425.1	942.9	482.2
PD_200000 - Conference Products	2,181.0	1,075.5	1,105.5	1,557.4	695.6	861.8	3,326.5	2,347.6	978.8	3,164.6	2,249.1	915.6	2,896.9	1,901.3	995.6	2,896.9	1,901.3	995.6
Total Cost Center	3,220.9	985.2	2,235.7	2,644.3	384.3	2,259.9	4,724.2	4,029.0	695.2	4,691.4	3,904.3	787.1	4,423.7	3,757.5	666.2	4,423.7	3,928.3	495.4



Society Reserves (Larger Half)



Allocation of Investment Changes & Other Items									
December 31, 2021									
<i>UNAUDITED - PRELIMINARY - Subject to change</i>									
	2020 Reserves	Adjusted 2021 P&L	2021 Reserves	Reserves %	Foundation Donation & Inits Loss Allocation	Non-Operating Pension Gain/(Loss) Allocation	Investment Gain/(Loss) Allocation	Corp Recovery * (Over)/Under & GAAP Accounting Adj Allocation	2021 Reserves
Signal Processing (210010)	40,488,905	4,844,324	45,333,229	7.7%	(353,547)	387,536	5,056,011	(109,715)	50,313,514
Computer (210163)	30,936,105	11,779,355	42,715,460	7.3%	(348,237)	381,721	4,980,086	(116,049)	47,612,982
Power & Energy (210310)	29,767,775	8,309,179	38,076,954	6.5%	(304,705)	334,003	4,357,544	(101,542)	42,362,255
Microwave Theory & Techniques (210170)	25,967,794	3,478,433	29,446,226	5.0%	(229,117)	251,147	3,276,569	(76,352)	32,668,474
Communications (210190)	22,670,935	6,416,412	29,087,348	4.9%	(234,693)	257,259	3,356,310	(78,210)	32,388,014
Industrial Electronics (210130)	23,954,422	3,924,199	27,878,621	4.7%	(220,187)	241,359	3,148,869	(73,377)	30,975,285
Antennas & Propagation (210030)	22,493,650	3,922,383	26,416,033	4.5%	(209,255)	229,432	2,993,209	(69,767)	29,359,652
Geoscience & Remote Sensing (210290)	19,301,037	4,690,957	23,991,993	4.1%	(192,589)	211,107	2,754,192	(64,180)	26,700,524
Circuits & Systems (210040)	17,958,459	2,415,308	20,373,767	3.5%	(159,494)	174,829	2,280,896	(53,151)	22,616,848
Photonics Society (210360)	18,196,763	2,025,451	20,222,214	3.4%	(156,746)	171,818	2,241,602	(52,235)	22,426,653
Nuclear & Plasma Sciences (210050)	17,760,154	946,649	18,706,803	3.2%	(143,260)	157,035	2,048,746	(47,741)	20,721,583
Control Systems (210230)	16,236,375	2,289,607	18,525,982	3.1%	(144,872)	158,802	2,071,793	(48,278)	20,563,427
Robotics & Automation (210240)	14,627,423	3,290,873	17,918,296	3.0%	(142,170)	155,840	2,033,153	(47,378)	19,917,742
Power Electronics (210350)	14,082,340	2,956,291	17,038,631	2.9%	(135,345)	148,359	1,935,552	(45,103)	18,942,094
Vehicular Technology (210060)	14,507,057	2,059,292	16,566,349	2.8%	(130,297)	142,825	1,863,353	(43,421)	18,398,809
Systems, Man & Cybernetics (210280)	14,366,803	1,825,352	16,192,155	2.7%	(126,513)	138,678	1,809,249	(42,160)	17,971,409
Electron Devices (210150)	12,454,978	2,939,442	15,394,420	2.6%	(122,738)	134,540	1,755,264	(40,902)	17,120,583
Computation Intelligence (210110)	12,385,200	2,336,572	14,721,772	2.5%	(116,603)	127,815	1,667,525	(38,858)	16,361,651
Industry Applications (210340)	12,275,031	1,362,449	13,637,480	2.3%	(106,144)	116,350	1,517,945	(35,372)	15,130,259
Solid State Circuits (210370)	12,190,274	1,443,125	13,633,399	2.3%	(106,352)	116,578	1,520,919	(35,441)	15,129,103
Aerospace & Electron Systems (210100)	10,218,343	1,027,954	11,246,297	1.9%	(87,599)	96,022	1,252,748	(29,192)	12,478,276
Technical Activities	499,894,614	89,182,768	589,077,383	100%	(4,646,058)	5,092,793	66,442,636	(1,548,281)	654,418,481



Society Reserves (Smaller Half)



	2020 Reserves	Adjusted 2021 P&L	2021 Reserves	Reserves %	Foundation Donation & Inits Loss Allocation	Non-Operating Pension Gain/(Loss) Allocation	Investment Gain/(Loss) Allocation	Corp Recovery * (Over)/Under & GAAP Accounting Adj Allocation	2021 Reserves
Aerospace & Electron Systems (210100)	10,218,343	1,027,954	11,246,297	9.1%	(87,599)	96,022	1,252,748	(29,192)	12,478,276
Engineering in Medicine & Biology (210180)	8,770,476	2,364,170	11,134,647	9.0%	(89,503)	98,109	1,279,973	(29,827)	12,393,399
Electronics Packaging (210210)	9,425,820	1,257,789	10,683,609	8.7%	(83,297)	91,306	1,191,216	(27,758)	11,855,076
Magnetics (210330)	7,454,041	625,991	8,080,032	6.6%	(62,240)	68,225	890,086	(20,741)	8,955,361
Information Theory (210120)	7,254,894	658,049	7,912,944	6.4%	(61,402)	67,306	878,096	(20,462)	8,776,482
IEEE Sensors Council (210390)	5,119,304	2,010,355	7,129,659	5.8%	(58,666)	64,307	838,973	(19,550)	7,954,722
Ultrasonics, Ferroelectrics & Frequency Control (210200)	5,926,165	824,206	6,750,371	5.5%	(52,936)	58,026	757,033	(17,641)	7,494,854
Intelligent Transportation Sys Council (210380)	4,694,284	1,539,001	6,233,285	5.1%	(50,591)	55,456	723,498	(16,859)	6,944,788
Dielectrics & Electrical Insulation (210320)	5,547,001	542,984	6,089,986	4.9%	(47,324)	51,874	676,773	(15,771)	6,755,539
Oceanic Engineering (210220)	5,628,848	147,518	5,776,365	4.7%	(43,931)	48,155	628,247	(14,640)	6,394,196
Instrumentation & Measurement (210090)	4,087,026	939,157	5,026,182	4.1%	(39,963)	43,806	571,506	(13,318)	5,588,213
Council on Superconductivity (210410)	3,764,563	625,852	4,390,415	3.6%	(34,633)	37,963	495,286	(11,541)	4,877,490
Electromagnetic Compatibility (210270)	3,967,638	403,307	4,370,945	3.5%	(33,889)	37,147	484,635	(11,293)	4,847,545
Reliability (210070)	3,567,622	659,399	4,227,021	3.4%	(33,392)	36,603	477,541	(11,128)	4,696,644
Council on Electronic Design Automation (210440)	3,448,128	313,992	3,762,120	3.1%	(28,995)	31,783	414,660	(9,663)	4,169,905
Broadcast Technology (210020)	3,776,020	(408,159)	3,367,861	2.7%	(24,412)	26,759	349,107	(8,135)	3,711,181
IEEE Systems Council (210450)	2,482,923	446,376	2,929,299	2.4%	(23,309)	25,550	333,341	(7,768)	3,257,113
IEEE Nanotechnology Council (210420)	2,518,316	269,920	2,788,236	2.3%	(21,691)	23,776	310,193	(7,228)	3,093,286
Consumer Electronics (210080)	2,014,000	619,399	2,633,399	2.1%	(21,378)	23,434	305,726	(7,124)	2,934,057
Education (210250)	2,052,762	396,079	2,448,841	2.0%	(19,395)	21,260	277,366	(6,463)	2,721,608
Engineering Management (210140)	853,320	373,381	1,226,701	1.0%	(10,171)	11,149	145,452	(3,389)	1,369,741
TAB Reserves (incl RC, MEMs and others)	1,592,590	(323,247)	1,269,343	1.0%	(4,958)	5,384	70,232	(9,721)	1,330,289
IEEE Biometrics Council (210460)	865,233	240,260	1,105,493	0.9%	(8,904)	9,761	127,341	(2,967)	1,230,722
Professional Communication (210260)	901,649	78,450	980,099	0.8%	(7,594)	8,325	108,605	(2,531)	1,086,903
IEEE Council on RFID (210700)	652,399	145,640	798,039	0.6%	(6,398)	7,013	91,494	(2,132)	888,017
Social Implications of Technology (210300)	459,015	66,406	525,421	0.4%	(4,104)	4,499	58,696	(1,368)	583,145
Product Safety Society (210430)	230,798	82,843	313,640	0.3%	(2,519)	2,761	36,025	(839)	349,068
Technical Activities	499,894,614	89,182,768	589,077,383	100%	(4,646,058)	5,092,793	66,442,636	(1,548,281)	654,418,481

Percentage of Smaller Half's 19%  8



➤ Transactions

- Open Access revenue: \$34k
- Voluntary page charge revenue: \$4k
- Overlength page charge (OLPC) revenue: \$300k
- ASPP revenue: \$445k
- Printing / Publishing: \$40k

➤ Magazine

- ASPP revenue: \$138k
- Printing / Publishing: \$69k
- Postage: \$49K

➤ Anything else you want to see?

- IEEE has moved to a web-based “NextGen” system.
 - It works well, but a (OK: my) complaint is that financial words have shaded meanings
 - For example: “Forecast” is this year, “Budget” is next year.
 - For example: “Society” is something I can get at, “Project” is the property of others.
- “3 Percent Rule:”
 - A Society or Council can budget for projects/initiatives, using up to 3% of their reserve balance, provided:
 - The IEEE reserve levels meet the minimum criteria
 - The S/C reserve to expense ratio meets the required level (typically 50%)
 - The total for all of TAB is less than or equal to 1% of the aggregate of TAB/S/C reserves
- “50 Percent Rule:”
 - Qualifying S/Cs can spend up to 50% of their prior year operating surplus (before investment returns) subject to overall IEEE reserves being OK
 - this spending should be identified in their current year forecast
 - To qualify, a S/C Reserve to Expense ratio must be equal to or greater than 50%

➤ New Publications:

- AESS sponsors the upcoming IEEE Transactions on Radar (24%)
- AESS sponsors IEEE Journal on Miniaturization for Air and Space Systems (5%)
- AESS sponsors the upcoming Open Journal on Systems Engineering (20%)
- These are not likely to be large (at first), but should be contributory
- Journal of Lightwave Technology – total 2020 net is \$757k, AESS share is 2.5%: \$19k

➤ Extra publications income for AESS:

- Overlength Page Charges for AES Transactions: \$210k in 2020
- Open Access Fees for AES Transactions: \$20k in 2020
- Voluntary Page Changes for AES Transactions: not sure

➤ AES Magazine does not charge OA fees nor page charges

- Was IEEE policy, but this has changed.

- If Plan S proceeds and OA gains momentum, we may need to “flip” our Transactions to Open Access.
 - page charges are not permitted
 - there is a thought for “Diamond OA” for certain articles
 - transformative agreements with organizations will likely dominate
- IEL income (both journal/magazine and conference) will decrease as library customers are less apt to buy for the prices they currently pay.
 - impact of “transformative agreements” is unknown but AESS should watch
 - under these, organizations pay a fixed price for researchers to access IEL and also to have unlimited (?) OA submissions
- China’s rules for its internally-supported researchers are changing
 - 33% of their publications must be in domestic journals, this will impact all IEEE income but AESS no less than other societies

- 50% rule:
 - 2022: 50% of \$1028k (2021 Operational Net Actuals) = \$514k.
 - 2023: 50% of \$965k (2022 Operational Forecast) = \$482k.
- 3% rule:
 - 3% of reserves of \$12478k = \$374k.
- 50th Anniversary celebration in Princeton NJ
 - approximately \$96k
- Submitted (and approved, I believe) initiatives for 2023: \$172k

- IEEE got \$8351k requests for initiatives, but due to rule that initiative spending not exceed 1% total TA reserves, this was limited to \$5136k.
 - Each OU was limited to 1.25% of their reserves, which for us was \$156k.
- But historically initiatives are underspent.
 - Hence IEEE has increased this by \$918k, this borne by a “management adjustment.”
 - Remaining initiatives also “provisionally approved.”
- Document also notes:
 - Awards cannot be initiative, but competition prizes can.
 - Fee discounts cannot be initiatives (revenue reductions).
- Memo (10/4) indicates that our initiatives will appear on CC 21065.

- I'm presently the SPS Sensors Council rep, that ends this year.
 - Similar size to us
 - Very aggressive and acquisitive of new publication opportunities.
 - Sensors Journal is IEEE's largest.
 - Some conferences, but the Sensors Conference is a bit moribund.
- The Sensors Council has noticed that its finances are doing well and wondering how they can use them to serve their members best.
- The following page is the first round of initiatives,
- Their second round of initiatives (they thought the first too small):
 - 25th Anniversary Events - \$60,000 in 2022 and \$22,000 in 2023
 - Digital Marketing Expansion - \$10,000 in 2022
 - IEEE Inertial 2023: Expansion of Social Impact - \$5,000 in 2022
 - Initiative on Growing INERTIAL SENSORS and SYSTEMS - \$15,000 in 2023
 - Process for Conference-Journal Synergy - \$15,000 in 2022 and \$5,000 in 2023
 - Redesign of IEEE Sensors Council website - \$10,000 in 2022
 - Sensors in Spotlight - \$50,000 in 2022

- First round of initiatives.
 - 2022: \$370k
 - 2023: \$306k

Initiative Title	Principal Applicant	2022 Request	2023 Request
Advanced Sensing-Technologies in Post-Covid Era	Sandro Carrara	\$ 20,000.00	
APSCON Industry-Conference and Journal-Conference Engagement	Srinivas Tadigadapa	\$ -	\$ 50,000.00
Building Relationships with Chapters	Behraad Bahreyni	\$ 15,000.00	\$ 15,000.00
Educational activity of Sensors: Sensors Seasonal School	Chonggang Wang	\$ 15,000.00	\$ 15,000.00
Equipping a WAM-V ASV 16 with sensors to research new data acquisition and sensor-actuator techniques	Fernanda Lecaros	\$ 15,000.00	\$ -
FDP/Workshop on "Importance of Sensors in IoT System Development	Dr. Rana Mukherji	\$ 1,000.00	\$ -
IEEE Biosensors Conference	Pantelis Georgiou	\$ 75,000.00	\$ 75,000.00
IEEE Sensors Alert	Anil Roy	\$ 15,000.00	\$ 15,000.00
Journal-Conference Synergy Initiative	Jeong-Bong Lee	\$ 100,000.00	\$ -
Mobility Support for FLEPS 2022 and 2023 Invited Speakers	Thilo Sauter	\$ 37,500.00	\$ 37,500.00
Pre-Conference Workshops for Applied Sensing Conference 2023	Sri Chandrasekaran	\$ 8,000.00	\$ 4,000.00
Reaching Locals to build community	Anup Shah	\$ 4,000.00	\$ 3,500.00
Sensor Competition in Tech Day Physics Engineering Lisboa	Susana Cardoso de Freitas	\$ 7,500.00	\$ -
Sensors based Innovations and Startups-Opportunities and Challenges	Saakshi Dhanekar	\$ 8,000.00	\$ 8,000.00
Sensors for children	Ferran Reverter	\$ 14,868.00	\$ 14,868.00
Supporting Under-represented Nations in Sensor Council Activities	Sinéad O'Keeffe	\$ 19,000.00	\$ 19,000.00
Targeted Online Publicity	Mike McShane	\$ 25,000.00	\$ 20,000.00
Technical Community on INERTIAL SENSORS and SYSTEMS	Andrei M. Shkel	\$ 7,500.00	\$ 15,000.00
YouTube posting of technical activities videos	Anil Roy	\$ 3,500.00	\$ 3,500.00