

Publications Report

Fall AESS BoG Meeting

September 22, 2017

Hilton St. Petersburg Bayfront

Saint Petersburg, FL

Dale Blair

VP Publications, AESS



Mission and Vision

- **Mission** AESS Publications provides AESS members with scholarly, highly-regarded publications that support their professional growth and advancement. Publications will provide venues for publication of scholarly achievements, knowledge for the specialist, education for the nonspecialist, and information for our professional community.

- **Vision**
 - **Transactions** is relevant, timely, technically advanced, and highly regarded among professionals in our field.
 - **Magazine** is attractive and desirable and addresses timely topics in our field of interest so as to draw members to AESS.
 - **Tutorials** is a useful, informative, and timely resource for the professional growth of our members.
 - **QEB** provides new and timely information to support our members' involvement in our professional community.
 - **AESS Web Site** is a one stop shop for AESS information

Strategic Analysis

- **Transactions** – recently made a significant progress in reducing sub-to-pub delays and early posting that is almost in place will make further improvements. Newly appointed Technical Editors with term limits are in place and new Associate Editors with term-limits are in place.
- **Magazine** – numerous initiatives are in progress and submission is readership is anticipated. Impact factor is at 0.963 already.
- **Tutorials** – submissions to tutorials has increase due to recruiting, etc. Two tutorial issues are planned for 2017.
- **QEB** – special efforts are being made to improve the QEB and increase readership. Opens are at 34%.
- **AESS Web Site** – special efforts are being made to improve the quality and value to our members. 2017 page views are up slightly over 2016 page views.

Strategic Objectives (3 Years)

Transactions

- (1) Reduce the average submission to-publication delay for the AES transactions to 10 months (early posting)
- (2) Increase Impact Factor of transactions to 2.0

Magazine

- (1) Achieve an average submission rate of 12 articles per month for the AES Magazine.
- (2) Increase contributions from industry to 2 articles per issues
- (3) Increase Impact Factor of magazine to 1.0

Tutorials

- (1) Publish 8 articles per year
- (2) Publish bound copy of first 10 issues of Tutorials

QEB

- (1) Increase readership (opens) of QEB by 25%

AESS Web Site

- (1) Increase visits to IEEE AESS Web Site by 25%

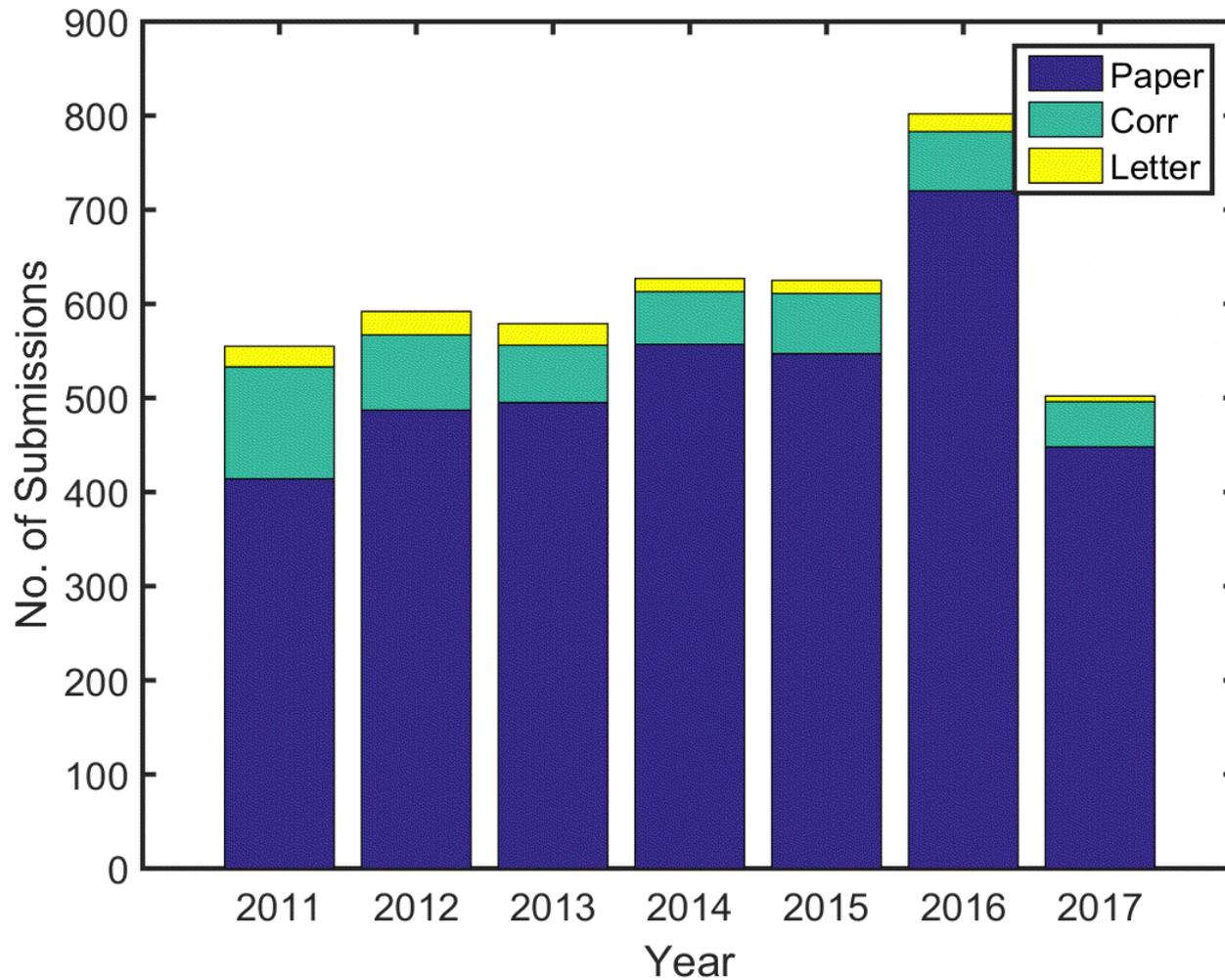
Status of T-AES

Lance Kaplan, EIC

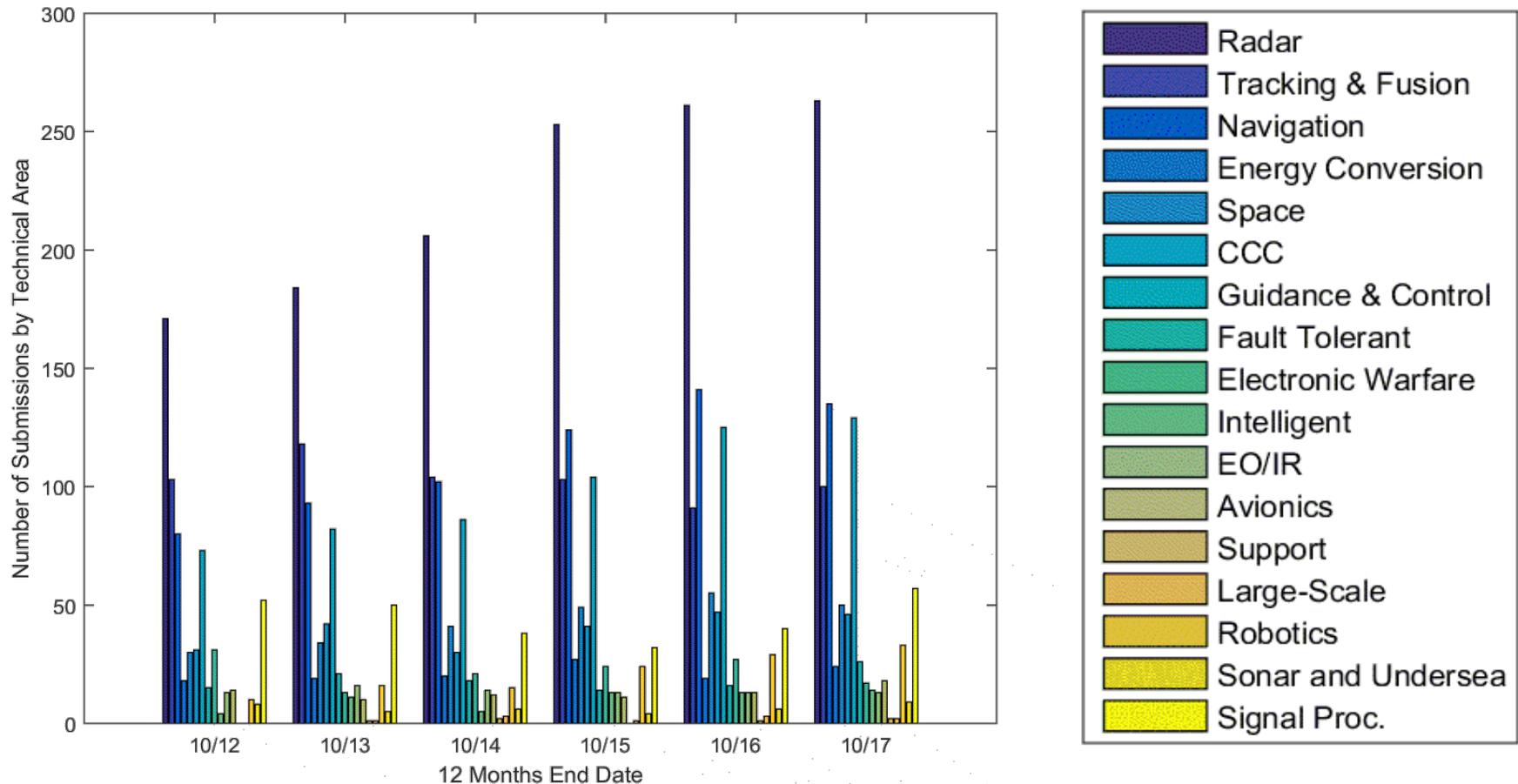
Michael Rice, Associate EIC

Wolfgang Koch, Associate EIC

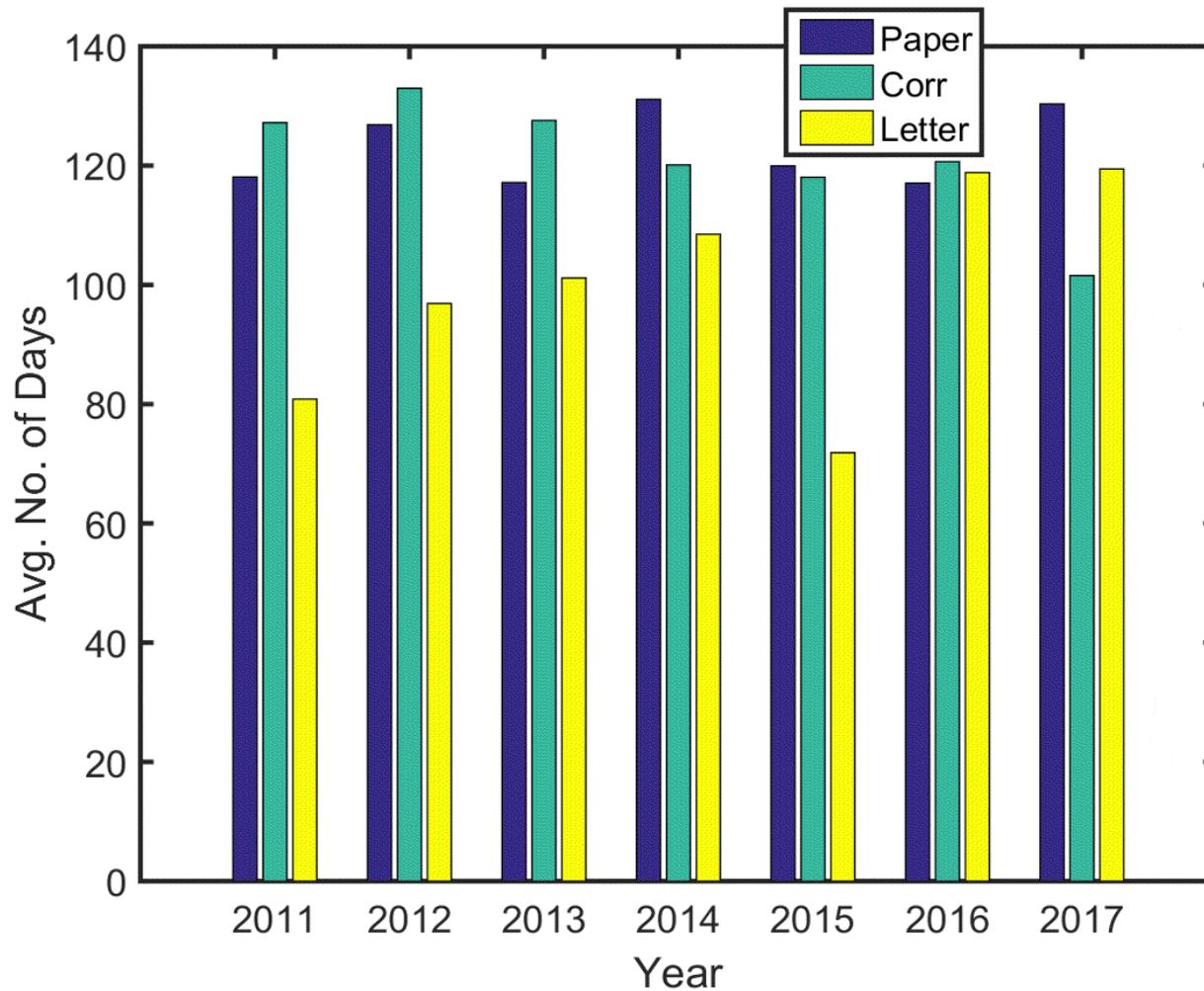
Number of Submissions to T-AES



Submissions by Technical Area for T-AES



Time to First Decisions for T-AES



T-AES News

- IEEE Xplore postings:
 - June 2017 issue posted on June 8
 - August 2017 issue posted on Aug 8
 - October 2017 issue expected to be on time
- Proposed Special Sections:
 - Spectrum Sharing Systems (Shannon Blunt)
 - Advances in Federated and Fractionated Satellite System (Rob Vingerhoeds)

M. Barry Carlton Award

- 2011 and 2012 awards announced last year
- 2013 award will be announced this year
 - Finalizing the votes
 - December T-AES editorial will announce the winner
- Accepting nominations for 2014 and beyond

Editors and Admin Support

- New AE Appointees
 - Debora Pastina (Radar)
 - Fauzia Ahmad (Radar)
 - Anthony Martone (Radar)
 - Steven Waslander (Robotics)
 - Di Qiu (Navigation)
 - Luke Rosenberg (Radar)
 - Mark Mueller (Fault Tolerant Systems)
 - Yvo Boers (Target Tracking)
- Jamie Zink replaced Mehak Chopra in July to provide admin support of final files and sending reminders to the AEs

Technical Editor Term Completions

- Jade Morton (term is renewable)
- Kainam Thomas Wong (term is renewable)
- Stefano Coraluppi (term is renewable)
- Sertac Karaman (Gokhan Inalhan will replace)
- Heesung Kwon (need a replacement)

AE Performance for T-AES

Name	Time to first report (days)			Final disposition of papers reaching first report						Acceptance Rate (%)
	Average	Max	Min	Accepted	Rejected	Decision to Revise	Withdrawn	No Decision	Total	
Adve, Raviraj	148	267	60	3	5	14	0	0	8	38
Ahmad, Fauzia	0	0	0	0	0	0	0	6	6	0
Akella, Maruthi R.	274	662	77	2	0	2	0	1	3	100
Aloi, Daniel	0	0	0	0	0	0	0	0	0	0
Baum, Marcus	104	110	99	0	2	0	0	4	6	0
Blair, William	0	0	0	0	0	0	0	0	0	0
Blanke, Mogens	143	242	10	0	2	1	0	0	2	0
Blunt, Shannon	95	157	5	10	9	12	1	4	24	53
Braca, Paolo	92	175	20	4	4	6	0	2	10	50
Charlish, Alexander	150	280	52	4	3	12	1	2	10	57
Choukroun, Daniel	231	233	228	1	1	0	0	1	3	50
Ciuonzo, Domenico	91	129	79	2	2	7	0	1	5	50
Coraluppi, Stefano	140	212	104	0	0	6	0	1	1	0
Curran, James	116	184	77	3	4	8	0	2	9	43
Davidson, Keith	163	194	133	2	0	1	0	4	6	100
Dempster, Andrew	112	165	78	3	0	13	0	2	5	100
Ducard, Guillaume	93	115	74	0	2	3	0	2	4	0
Efe, Murat	136	234	22	5	4	6	0	3	12	56
Gao, Grace	133	240	34	2	6	5	0	1	9	25
Ghose, Debasish	148	201	103	2	3	4	0	1	6	40
Gini, Fulvio	91	145	12	9	8	17	0	3	20	53
Goodman, Nathan	599	599	599	1	1	0	0	0	2	50
Govaers, Felix	201	371	105	5	0	3	0	4	9	100
Hanebeck, Uwe	141	288	50	1	3	0	0	0	4	25
Hary, Stephen	0	0	0	0	0	0	0	0	0	0
Hwang, Inseok	106	135	71	5	4	5	0	0	9	56
Idan, Moshe	113	171	74	1	1	2	0	0	2	50
Inalhan, Gokhan	0	0	0	0	0	0	0	4	4	0
Jah, Moriba	182	239	80	2	1	2	0	0	3	67
Jauffret, Claude	0	0	0	0	0	0	0	0	0	0
Joerger, Mathieu	102	240	3	2	5	8	0	3	10	29
Kaplan, Lance	103	165	58	10	1	10	1	2	14	91
Karaman, Sertac	262	381	159	9	3	1	0	1	13	75

AE Performance for T-AES (Cont)

Name	Time to first report (days)			Final disposition of papers reaching first report						Acceptance Rate (%)
	Average	Max	Min	Accepted	Rejected	Decision to Revise	Withdrawn	No Decision	Total	
Kassas, Zaher (Zak)	139	149	126	0	5	1	0	5	10	0
Khorasani, K.	260	496	0	0	2	0	0	3	5	0
Koch, Wolfgang	0	0	0	0	0	0	0	0	0	0
Kulpa, Krzysztof	91	169	5	10	8	14	0	3	21	56
Kwon, Heesung	171	241	75	4	3	3	0	6	13	57
Lan, Jian	117	215	77	1	0	7	0	3	4	100
Lee, Young	222	323	145	2	1	1	0	0	3	67
Li, Junfeng	103	145	56	5	2	6	0	1	8	71
Lombardo, Pierfrance	105	196	33	8	9	19	0	2	19	47
Marano, Stefano	0	0	0	2	0	1	0	0	2	100
Martone, Anthony	82	84	81	0	0	2	0	5	5	0
Maskell, Simon	209	283	143	1	3	3	0	4	8	25
Matta, Vincenzo	364	364	364	1	0	0	0	0	1	100
Mazumder, Sudip	192	322	120	1	1	1	0	4	6	50
Ma, Yunqian	281	390	122	0	0	1	0	1	1	0
Mihaylova, Lyudmila	135	322	1	4	4	5	0	5	13	50
Mir, Hasan	94	158	2	3	5	14	0	4	12	38
Mori, Shozo	176	228	112	2	0	5	0	0	2	100
Morton, Jade	148	330	21	3	3	4	0	1	7	50
Mueller, Mark	0	0	0	0	0	0	0	2	2	0
Nakasuka, Shinichi	401	667	107	2	1	2	0	1	4	67
Narayanan, Ram	109	145	72	6	5	7	0	0	11	55
Pace, Phillip	260	468	83	3	5	3	0	4	12	38
Pastina, Debora	83	88	76	0	1	2	0	6	7	0
Pham, Khanh	108	158	82	2	2	5	0	3	7	50
Pillai, Prashant	227	366	150	2	0	2	0	4	6	100
Pollini, Lorenzo	0	0	0	0	0	0	0	5	5	0
Qiu, Di	50	82	31	0	2	1	0	1	3	0
Raghavan, R	99	188	1	4	8	10	0	4	16	33
Ram, Shobha	115	228	27	5	8	12	0	1	14	38
Rice, Michael	95	140	65	5	2	9	0	0	7	71
Rodrigues, Luis	93	140	26	1	4	7	0	3	8	20
Rosenberg, Luke	77	77	77	0	0	1	0	5	5	0

AE Performance for T-AES (Cont)

Name	Time to first report (days)			Final disposition of papers reaching first report						Acceptance Rate (%)
	Average	Max	Min	Accepted	Rejected	Decision to Revise	Withdrawn	No Decision	Total	
Rossi, Tommaso	140	329	10	2	0	6	0	2	4	100
Ryoo, Chang-Kyung	247	308	187	0	1	1	0	4	5	0
Sabatini, Roberto	212	348	64	1	3	3	0	4	8	25
San Antonio, Geoffrey	459	459	459	0	0	0	0	0	0	0
Schaub, Hanspeter	107	207	2	3	6	4	0	1	10	33
Sengupta, Anirban	102	173	20	0	2	3	0	3	5	0
Shima, Tal	102	165	7	3	5	5	0	1	9	38
Shtessel, Yuri	86	115	38	0	2	2	0	3	5	0
Singla, Puneet	90	224	0	0	3	0	0	7	10	0
Tague, John	0	0	0	0	0	0	0	0	0	0
Tahk, Min-Jea	354	414	250	1	0	1	0	0	1	100
Tsourdos, Antonios	168	356	70	4	0	6	0	3	7	100
Veerachary, Mummadi	211	360	88	1	1	4	0	3	5	50
Vladimirova, Tanya	358	358	358	1	0	0	0	5	6	100
Vo, Ba-Ngu	136	228	74	1	5	4	0	2	8	17
Wallace, Jon	120	182	14	1	2	4	1	3	7	33
Waslander, Steven	0	0	0	0	0	0	0	4	4	0
Watts, Simon	96	145	3	10	10	14	0	5	25	50
Willett, Peter	0	0	0	0	0	0	0	0	0	0
Willink, Tricia	113	154	68	2	1	6	0	3	6	67
Wong, Kainam Thomas	79	133	0	5	18	10	0	4	27	22
Wu, Yuanxin	95	213	4	0	2	10	0	4	6	0
Yu, Kegen	116	238	62	1	7	1	1	5	14	13
Zhu, Zhen	208	386	108	4	1	5	0	5	10	80

Submission by Country

Manuscripts by Country Report September 2013 - August 2015		
Country*	Total Manuscript	Acceptance Rate
Algeria	6	40%
Argentina	2	50%
Australia	20	35%
Austria	3	33%
Belgium	2	50%
Brazil	9	67%
Canada	36	61%
Chian	1	100%
China	368	30%
Colombia	1	0%
Czech Republic	5	0%
Denmark	1	0%
Egypt	4	0%
Estonia	1	0%
Finland	6	67%
France	26	50%
Germany	20	65%
Greece	4	75%
Hong Kong	6	33%
India	64	13%
Iran	63	10%
Israel	10	70%
Italy	37	62%
Japan	8	25%
Jordan	1	0%
Kazakhstan	1	0%
Korea	5	20%
Korea (south), Republic Of	49	52%
Korea Republic	1	100%
Korea Republic Of	1	0%
Kuwait	1	0%
Luxembourg	3	33%
Malaysia	4	0%
Malta	1	0%
Mexico	2	50%
Netherlands	4	50%
New Zealand	1	0%
Nigeria	1	0%
Norway	2	50%
Oman	1	0%
P. R. China	5	0%
P.r.china	1	0%
Pakistan	9	29%
Poland	3	33%
Portugal	4	75%
R. O. C.	1	100%
Rep. Of Korea	1	0%
Romania	3	0%
Russia	6	50%
Saudi Arabia	2	0%
Scotland - United Kingdom	1	0%
Serbia And Montenegro	4	75%
Singapore	17	78%
Slovak Republic	1	0%
Slovenia	2	50%
South Africa	7	43%
South Korea	18	44%
Spain	21	25%
Sweden	5	80%
Taiwan	13	20%
Thailand	1	100%
Tunisia	1	0%
Turkey	15	40%
United Arab Emirates	2	0%
United Kingdom	24	48%
United States of America	223	53%
Venezuela	2	0%
Unknown	9	67%
TOTAL	1180	40%

Manuscripts by Country Report September 2015 - August 2017		
Country*	Total Manuscript	Acceptance Rate
Algeria	5	25%
Argentina	3	0%
Australia	44	48%
Bangladesh	2	0%
Belgium	2	0%
Brazil	20	18%
Bulgaria	2	0%
Canada	41	26%
Canada, Uae	1	0%
Chian	1	100%
Chile	1	0%
China	505	25%
Cuba	1	0%
Cyprus	1	0%
Czech Republic	3	100%
Denmark	4	0%
Egypt	6	0%
England	1	0%
Finland	7	60%
France	22	38%
Germany	15	44%
Greece	3	50%
Hong Kong	5	67%
India	59	7%
Indonesia	1	0%
Iran	59	18%
Israel	12	63%
Italia	1	0%
Italy	50	32%
Japan	17	27%
Korea	2	0%
Korea (south), Republic Of	53	28%
Korea Republic	1	0%
Kuwait	3	0%
Luxembourg	1	0%
Macau	1	0%
Malaysia	2	0%
Mexico	4	0%
Morocco	2	0%
Netherlands	8	25%
New Zealand	2	0%
Nigeria	1	0%
Norway	5	33%
P. R. China	1	0%
P.r. China	1	0%
Pakistan	9	0%
Poland	5	50%
Portugal	5	0%
Pr China	2	0%
Romania	3	0%
Saudi Arabia	4	50%
Serbia And Montenegro	5	67%
Singapore	25	18%
Slovenia	2	0%
South Africa	16	30%
South Korea	18	33%
Spain	19	33%
Sweden	8	20%
Switzerland	3	0%
Taiwan	9	0%
Thailand	1	100%
Tunisia	5	33%
Turkey	20	42%
United Arab Emirates	5	40%
United Kingdom	66	40%
United States of America	244	36%
West Bank	1	0%
Yemen	1	0%
Unknown	6	0%
TOTAL	1469	28%

AESS Publications Metrics

Standard Metrics – Transactions

Year	Impact Factor (regular, with self-citations)	Impact Factor (w/o self-citations)	Citation Half Life	Immediacy Index	Eigen-factor	Article Influence Score	Articles Published
2016	1.975				0.0127	0.746	
2015	1.672	1.366	>10	0.105	0.0109	0.682	266
2014	1.757	1.523	>10	0.098	0.0103	0.692	246
2013	1.394	1.236	>10	0.327	0.0094	0.650	196
2012	1.299	1.121	>10	0.214	0.0080	0.619	257
2011	1.095	0.966	>10	0.151	0.0075	0.640	218
2010	0.917	0.854	>10	0.140	0.0068	0.573	136
2009	1.230	1.134	>10	0.095	0.0068	0.560	126

IEEE Xplore Usage – Transactions

	2015	2014	2013	2012	2011	2010
SUM/ RANK		342,062/ 39	350,617/ 35	355,048/ 33	393,518/ 30	316,291/ 33

T-AES Page Charges Income

Volume 53, No. 1 - \$ 27,400 (open access payments not included)

Volume 53, No. 2 - \$ 21,900

Volume 53, No. 3 - \$ 23,800

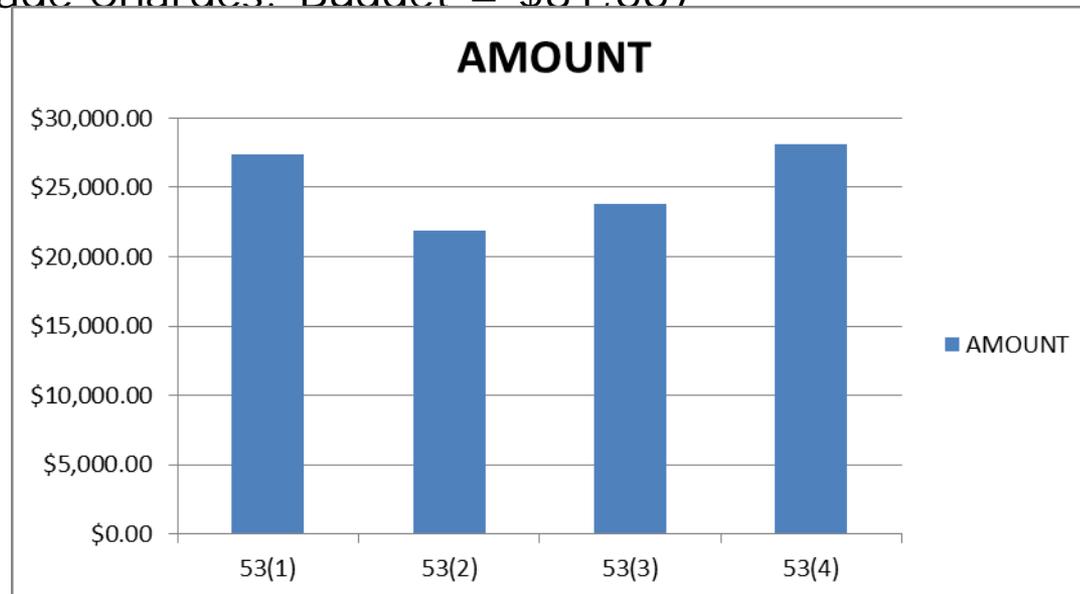
Volume 53, No. 4 - \$ 28,100

2017 Total to Date = \$ 101,200

Bad Debt = \$31,594

Overlength Page Charges: Actual = \$139,487

Overlength Page Charges: Budget = \$81,667



Status of Aerospace and Electronic Systems Magazine (AES-M)

Sabrina Greco, EIC

Peter Willett, Associate EIC

Publication Initiatives - Assessment

Magazine – Very Good

1. Implement advertising plan in the magazine
 - Soliciting advertisers
 - Coordinate special issues with advertisers
2. Increase the presence of student activities in the magazine.
 - Student Research Highlights
 - Student Project Highlights
3. Improve the Operations of Editorial Board for the Magazine.
 - Developed Operations Manual for the magazine
 - Improve training of the editors for the magazine
4. Series of historical interviews – Hugh Griffiths interview upcoming
5. New magazine column: “Industry Tips and Insights”
 - Published first article in January 2016
 - Two articles under review

Publication Initiatives - Assessment

6. Increase the role of AESS in EO/IR Systems Literature
 - Recruiting articles/special issues for the magazine
7. Increasing the number of special issues
8. Increasing average pages per issue to 64
9. New AE for UAS: Giancarmine Fasano, Univesità degli studi di Napoli Federico II, Naples, Italy
10. Retiring AE: Moriba Jah, Areas of Specialty: Astronautic and Aeronautic Systems. New temporary AE Erik Blasch

AES-M Goals for 2016-2017

- Have an average of 12 new submissions per month
- Publish 2-3 special issues per year
- Have 2-3 historical interviews
- Publish 8-10 students highlights per year
- Review 5-6 books per year
- Impact factor 1.2 (now 0.963)
- Assess value of electronic distribution – print versions of July 2016 to December 2017 issues will be accompanied by an electronic version free to AESS members.
- Assess value of allowing authors to comment on articles in the electronic version of the magazine – September 2016 – December 2017 – VP for Publications is the monitor.
- Increased the page budget from 48 to 64 pages per issue. The Magazine is now fully booked beyond six month!

Special issues for AES-M

1) Passive and Multi-static Radar for Civil Applications

1. GEs: H. Kuschel, K. Olsen
2. February 2017, 7 published papers

2) Navigation and Positioning Systems

1. GEs: M. Braasch, A. Dempster
2. August 2017, 6 published papers

3) HF surface wave and skywave radars

1. GEs: D. O'Hagan, J. Fabrizio, G. Frazer, S. Anderson
2. Planned December 2017+March 2018 (12 papers, almost ready to go)

4) Cyber Security in Aerospace System

1. GEs: Kathleen Kramer, Prof. Dr. Ir. Erik Theunissen, and Bill Walsh
2. Planned November 2017+February 2018 (8 papers, almost ready to go)

Special issues for AES-M

5) Integrated Navigation, Sensing and Communications for Solving Problems in Society

1. GEs: Leo P. Ligthart and Marina Ruggieri
2. Planned April+June 2018 (10 submitted papers)

6) Metrology for Aerospace Systems (just closed)

1. GEs: P. Daponte, Stefano Debei, Maria Riccio
2. Planned August 2018 (7 submitted papers)

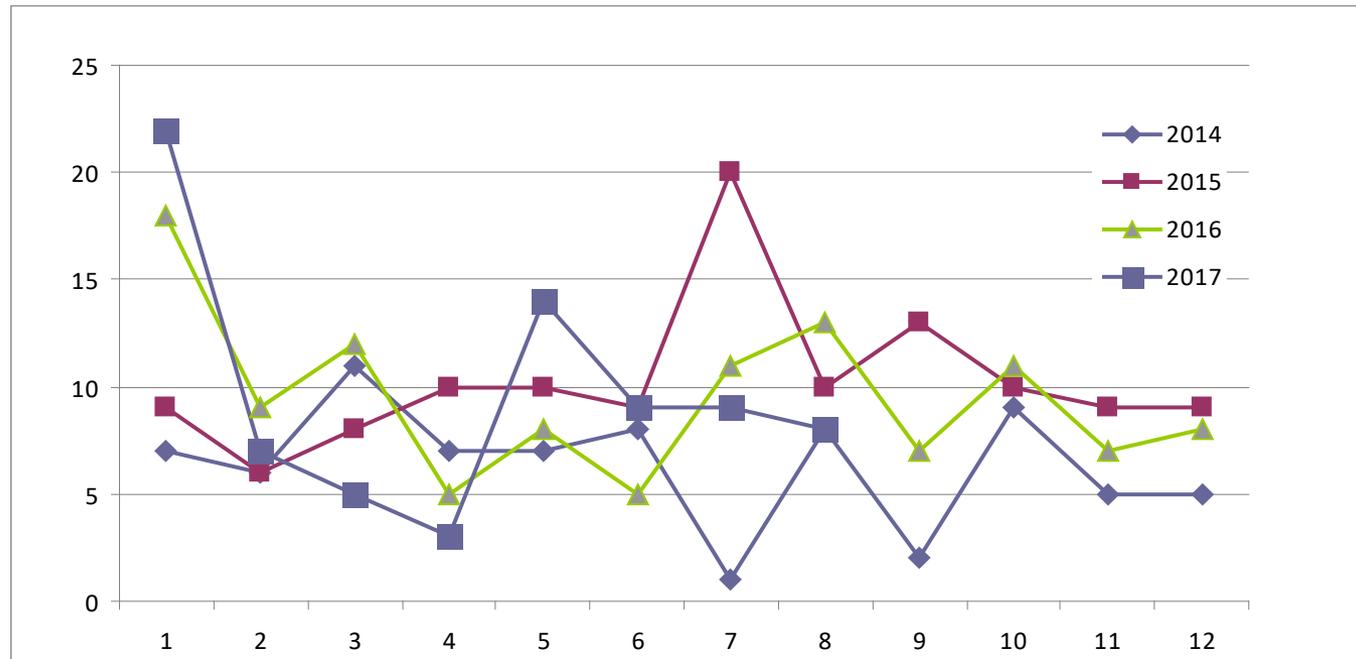
7) Exploration Mission-1 and Deep Scale CubeSats (delayed deadline March 2018)

1. GEs: Faramaz Davarian, Yang Gao, Peter Kinman
2. Planned February 2019

8) Security Technology (expressed interest)

1. GEs: Gordon Thomas, Javier Ortega-Garcia
2. Planned 2019

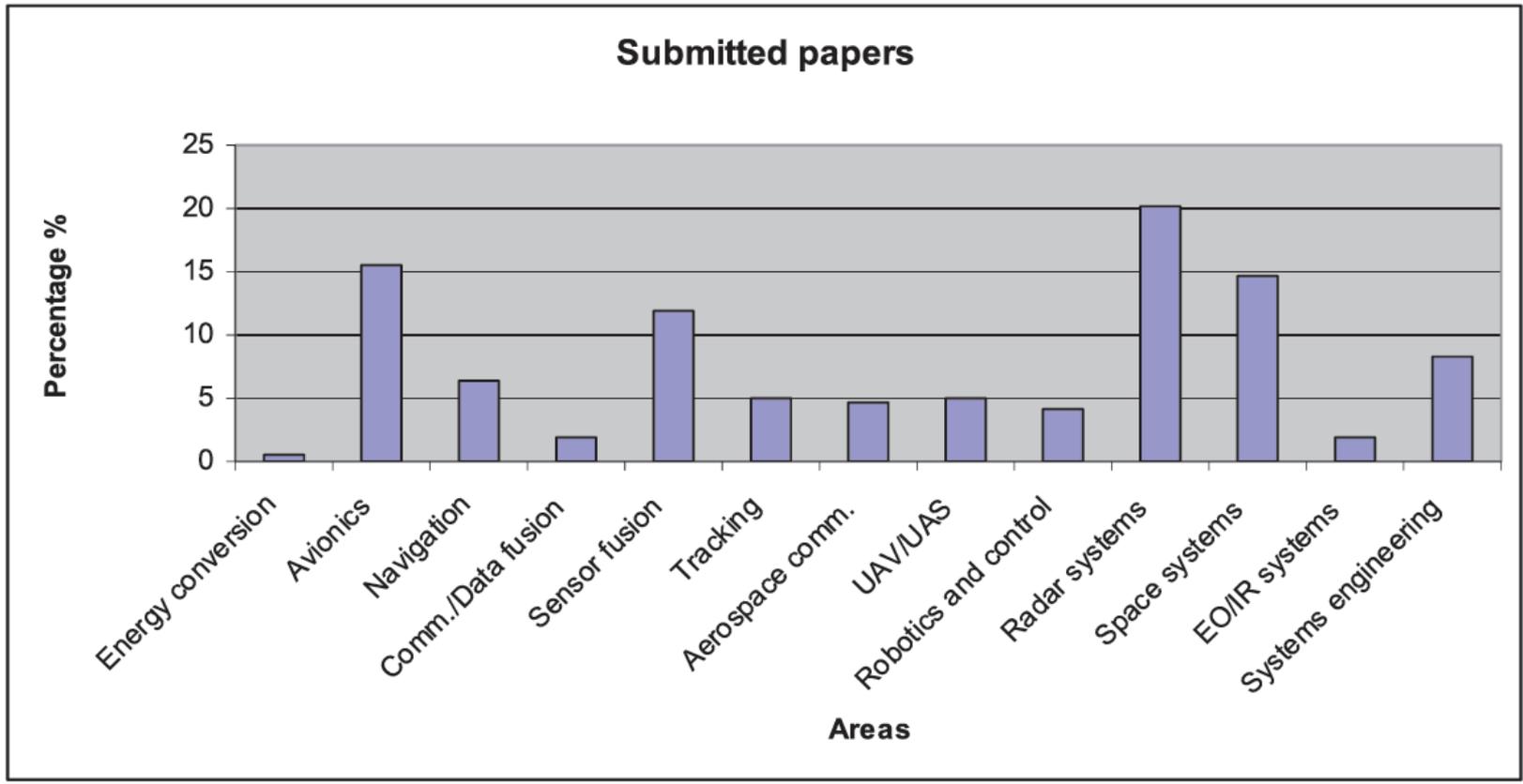
New Manuscripts Per Month in AES-M (sent for review)



Average submissions per month

6.33 (2014), 10.25 (2015), 9.5 (2016), 9.65 (first 8 months 2017)

Percentage of Submitted Paper Per Area (2013-15) – AES-M



Majority of papers comes from Avionics, Sensor Fusion, Radar and Space Systems. Seeking papers particularly from EO/IR Systems and Energy Conversion Systems.

Publication Initiatives

Tutorials - Very Good

1. Increasing efforts in recruiting tutorials from editors for special issues and authors of articles that do not fit in the transactions or magazine.
2. Identifying topics for tutorials and recruiting authors
3. First 10 issues of Tutorials in a Print-On-Demand Book
 - \$90 each
 - \$2k from IEEE AESS to prepare book for printing
 - Print quality pdf files for 8 of 10 issues

Status

- Four tutorials published in March 2016
- Four tutorials published in December 2016
- Three tutorials published in August 2017
- Four tutorials planned for March 2017

Publication Initiatives

QEB - Needs to Do Better

1. Establishing processing that should improve quality and value of QEB
2. Recruiting contributions from BoG members and officers

AESS Web Site - Need to Do Better

1. Completed a refresh of the web site for better presentation and utility and use on mobile devices
2. Review and improve content via IEEE AESS Officers and BoG members
3. Increase value to industry via the addition of industry relations

Proceedings to Waveform Diversity Conference

1. 2004 and 2006 volumes are not in IEEE Xplore
2. \$2700 to format for IEEE Xplore and upload
3. Based on downloads of 160 articles per month from 2007 proceedings in 2017, elected to pay for adding 2004 and 2006 proceedings to IEEE Xplore for revenue and service to our members.

QEB Opens

Campaign Name	# Sent to	# Opened Email	% opened	# Bounced	# Unsubscribed	# Unique Clickers
AES Newsletter 1st Qtr 2015 - 030515	3,674	1,190	32%	57	1	74
AES Newsletter 2nd Qtr 2015 - 061115	4,182	1,328	32%	63	4	183
AES Newsletter 3rd Qtr 2015 - 090315	4,288	1,326	31%	76	2	177
Dec 2015 newsletter was not sent						
AES Newsletter 1st Qtr 2016 - 010416	4,387	1439	33%	77	2	17
AES Newsletter 2nd Qtr 2016 - 040516	3,831	1,260	33%	8	1	177
AES Newsletter 3rd Qtr 2016 - 070616	4,120	1313	32%	56	3	120
AES Newsletter 4th Qtr 2016 100316	4,261	1291	30%	61	1	126
AES Newsletter 1st Qtr 2017 010317	4,332	1,467	34%	60	4	166
AES Newsletter 2st Qtr 2017 040417	3,889	1,303	34%	69	0	129
AES Newsletter 3rd Qtr 2017 070517	4,157	1,315	32%	67	1	108

Visits to IEEE AESS Web Site

Page Views		
Area	October 2016 to May 2017	May 2017 to August 2017
Total	57,201	26,224
Conferences	8,117 (14.19%)	3,164 (12.07%)
Contact	7,718 (13.49%)	4,310 (16.44%)
Publications	6,090 (10.65%)	3,105 (11.84%)
Membership	1,635 (2.86%)	829 (3.16%)
Technical Operations	1,537 (2.69%)	733 (2.80%)
Education	1,318 (2.30%)	560 (2.14%)

AESS Publications Operating Budget

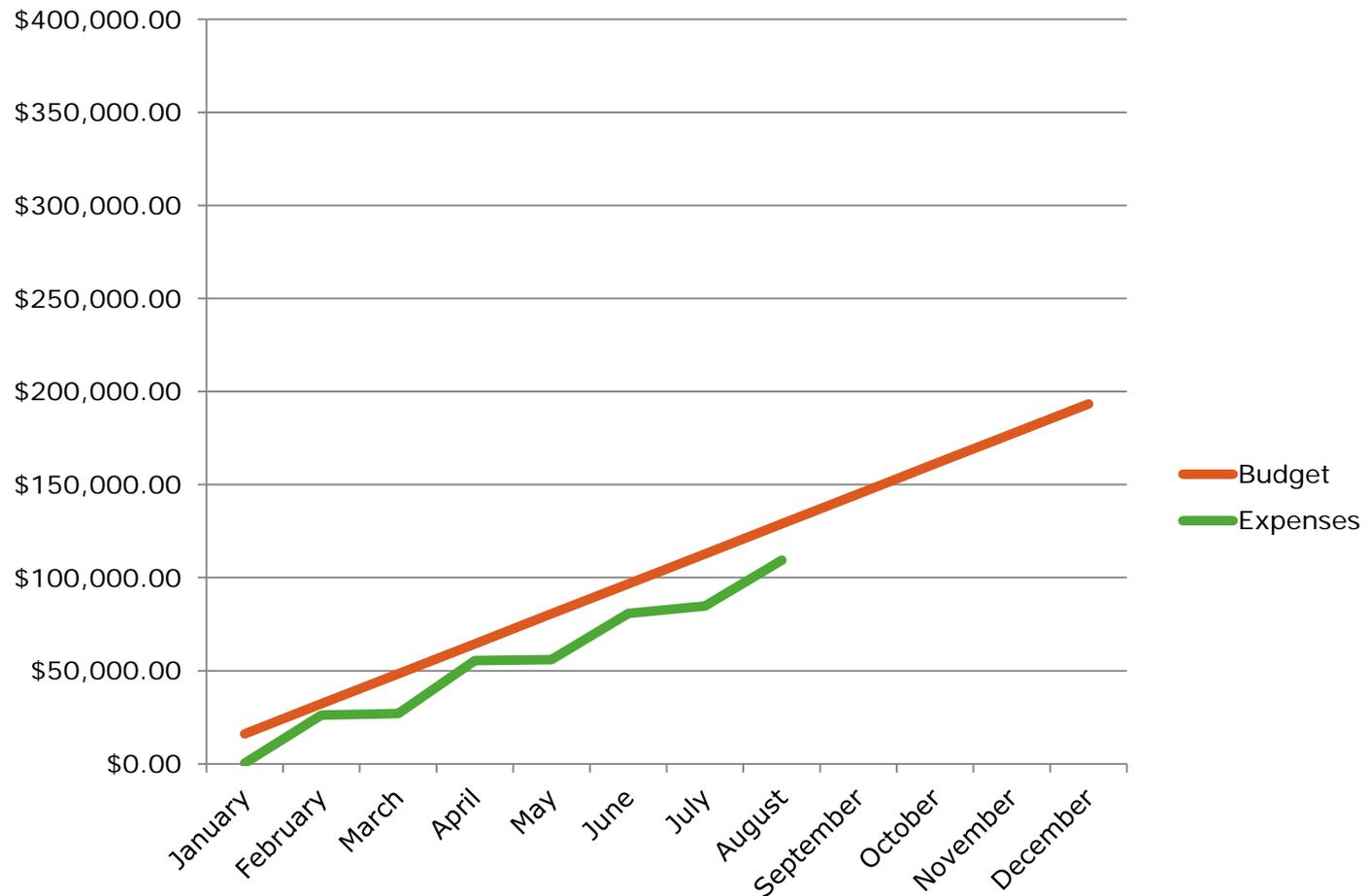
**2017 Budget Estimate vs. Expenses (to date)
Transactions of Aerospace Electronics Systems
(T-AES)**

Aerospace and Electronic Systems Magazine
September 2017

2017 Budget Expenses Estimate T-AES

- IEEE Publishing Operations - \$171,230
 - Initial year of new agreement for integrated services
 - Continue Bi-Monthly electronic publication
 - Managing Editing, Copy Editing, Typesetting, XML tagging
- Conference Catalysts - \$7,176
 - Editorial support to IEEE Pubs
- Precision Computer Works (EJP) - \$15,000
 - eJournal Database
 - Includes support for *Systems* magazine
- Total for Budget Plan 2017: \$193,406
 - Does not include IEEE-related expenses attributed to Transactions (e.g. various purchase services, XPLORE, etc.)
 - Approx. 36% reduction in expenses from 2016 due to change in publishing vendor

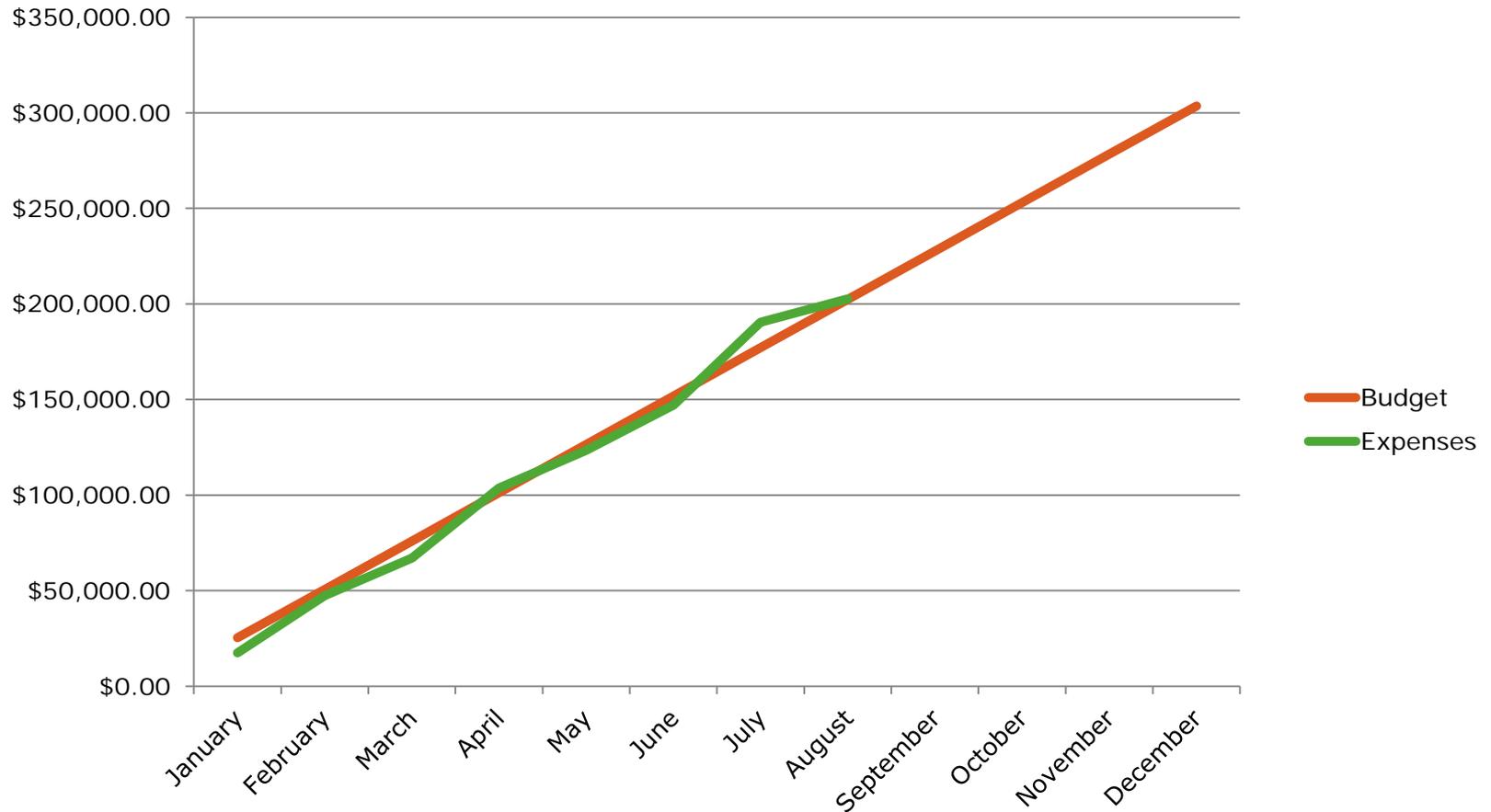
T-AES Expenses—Estimated vs. Actual 2017



2017 Budget - Expenses Estimate AES Magazine

- Publication & Delivery Services - \$265,225
 - Allen Press (AP-S) – Task Order Contract
 - 2nd year of 3 year contract, includes 3% escalation
- Bright Copy – On-line version - \$3,400
 - Allen Press
- Administrative/Asst. Administrative Editors - \$35,000
 - Susanne J. Walsh (SJW) – Independent Contractor
- Total Budgeted Expenses for 2016: \$303,625
- Editorial Board move to publish more pages per issue (due to backlog)
- Allen Press submitted an invoice in August (\$6383.57) that was for the November 2016 Tutorial – because it was late, charged against this year's budget
- No invoices received from Allen Press for August as yet (they are behind publication schedule)

AES Systems Magazine Expenses – Estimated vs. Actual - 2017



Financial Assessment

All is good!!!!!!