

Publications Report

AESS Spring BoG Meeting

May 12, 2017

Westin Hotel, Seattle, WA

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%

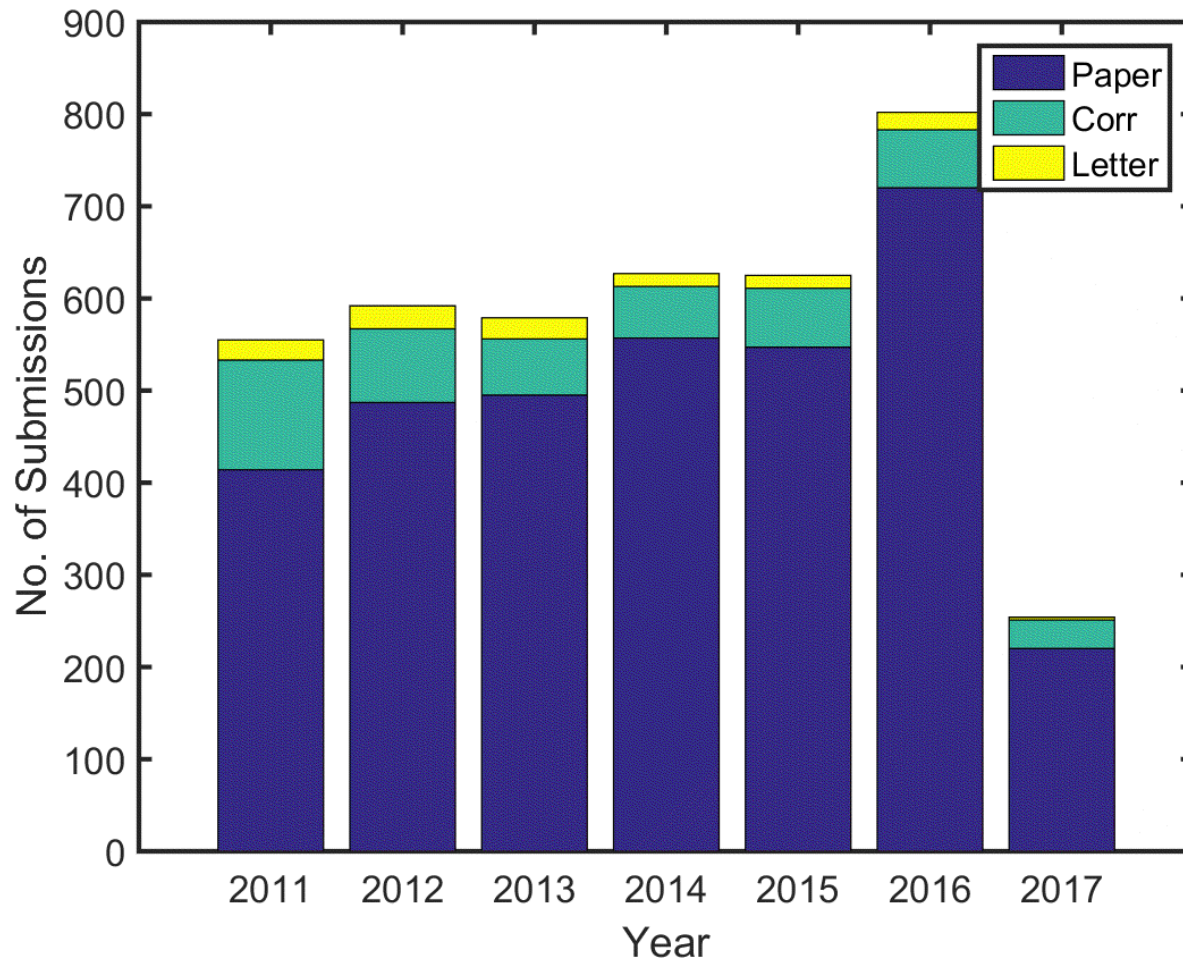
Status of Transactions on Aerospace and Electronic Systems (T-AES)

Lance Kaplan, EIC

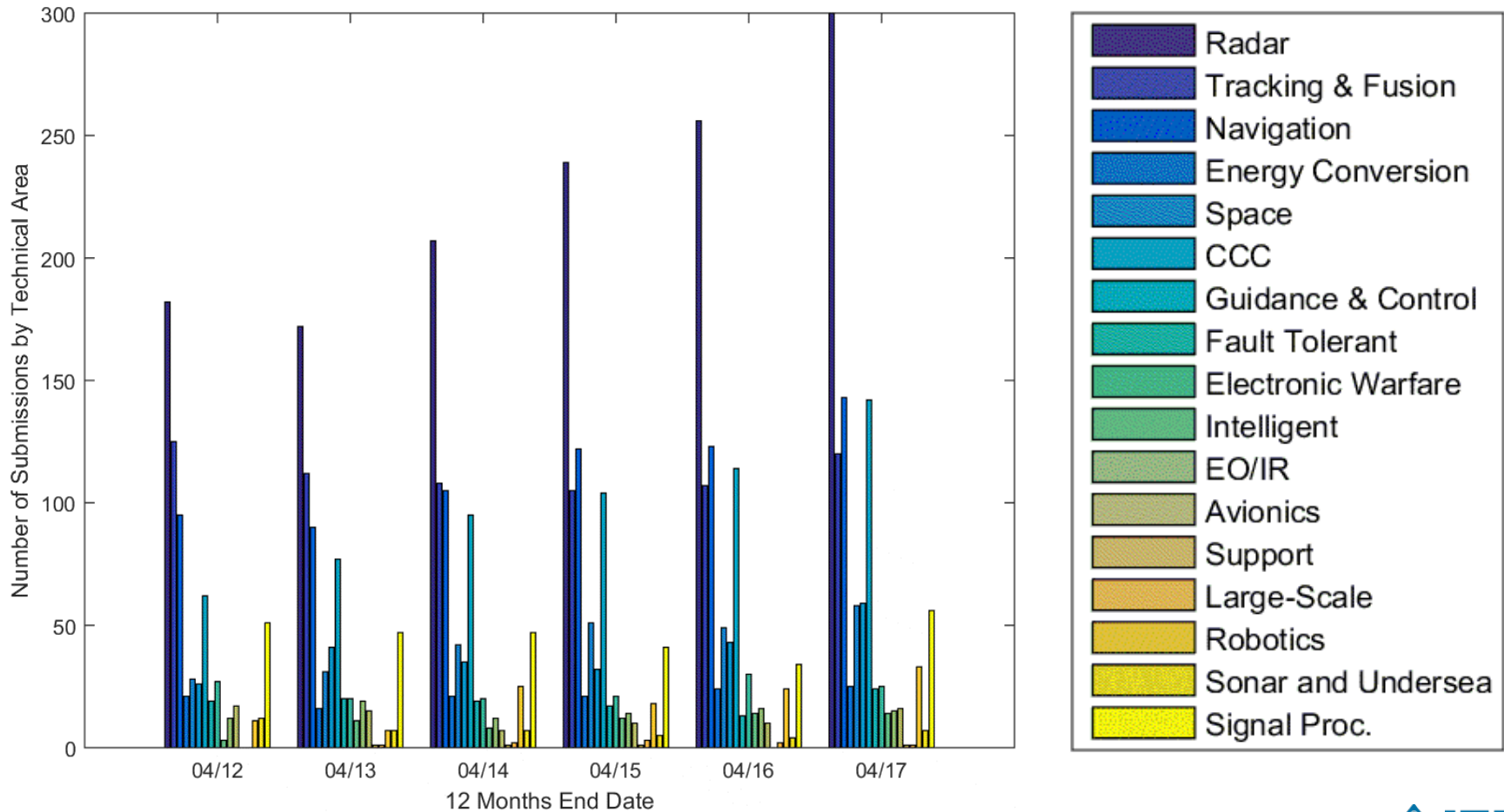
Michael Rice, Associate EIC

Wolfgang Koch, Associate EIC

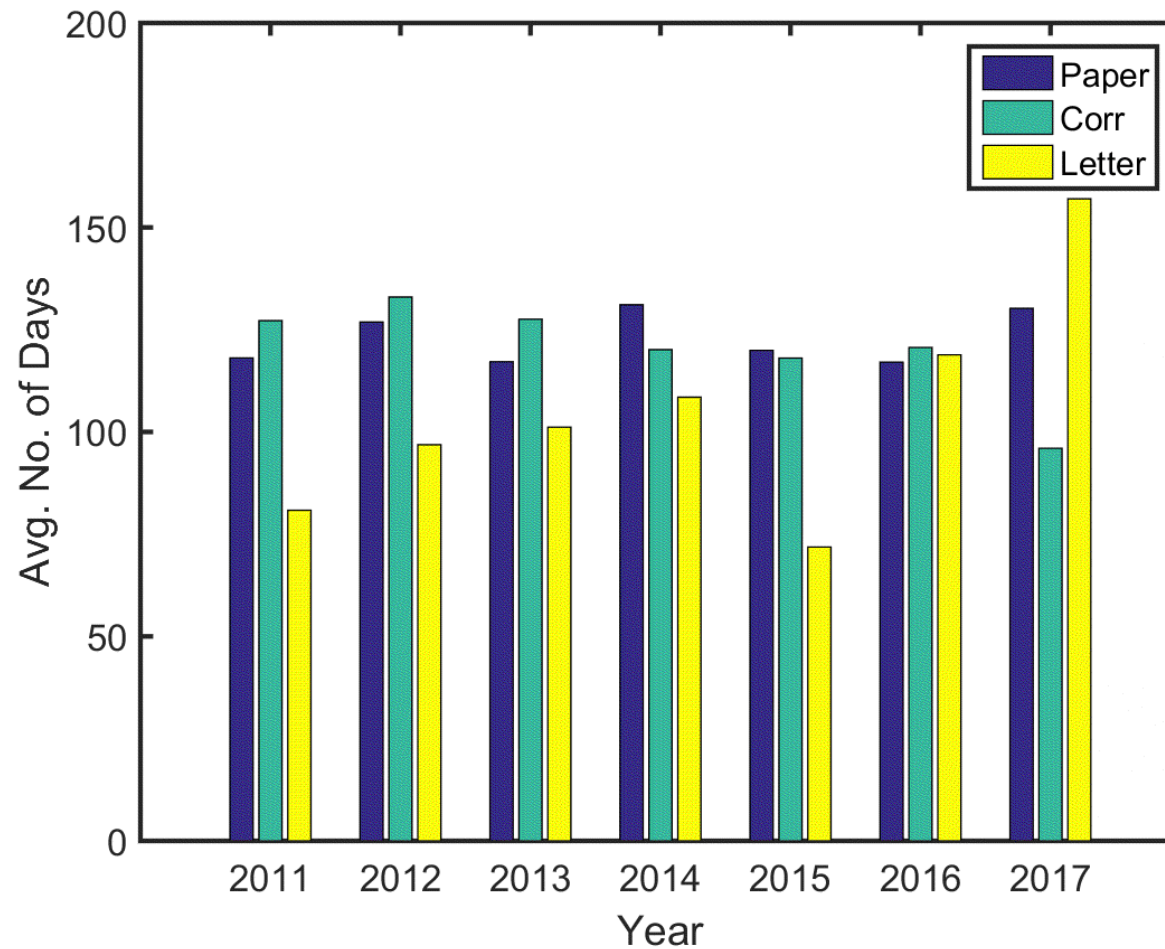
Number of Submissions to T-AES



Submissions by Technical Area for T-AES



Time to First Decisions for T-AES



Final Decisions for T-AES

	2011	2012	2013	2014	2015	2016
Accepts	191	174	223	209	234	242
Rejects	343	300	302	364	343	406
Acceptance Rate	36%	37%	42%	36%	41%	37%

Quality of T-AES

	2010	2011	2012	2013	2014	2015
No. Articles	126	218	257	196	246	266
Impact Factor	0.917	1.095	1.299	1.394	1.757	1.672
5 Year Impact Factor	1.603	1.680	1.767	1.755	2.053	2.053
Immediacy Index	0.140	0.151	0.214	0.327	0.098	0.105

2015 Rankings (Engineering, Aerospace):

Impact Factor: #3

Eigenfactor: #2

Total Citations: #2

Source: Thomson Reuters *Journal Citation Report*

T-AES News

- IEEE Publishing Operations is now providing production services
- Early access is now provided for all accepted articles
- IEEE Xplore Posting of Issues
 - February 2017 issue posted on April 25
 - April 2017 issue posted on May 2
 - Expect June 2017 issue to be posted on time
- Five technical editor terminated in December

M. Barry Carlton Award

- 2011 and 2012 awards announced last year
- 2013 award will be announced this year
- Accepting nominations for 2014 and beyond

Associate Editors for T-AES

■ New Appointees

- James Curran (Navigation)
- Jian Lan (Tracking)
- Yuanxin Wu (Navigation)
- Zak Kassas (Navigation)
- Anirban Sengupta (Fault Tolerant Sys)
- Gokhan Inalhan (Robotics)
- Yuri Shtessel (Guidance & Control)
- Lorenzo Pollini (Guidance & Control)

Technical Editors for T-AES

■ New Appointments

- Tricia Willink (CCC)
- Moshe Idan (Guidance & Control)
- Guillaume Ducard (Fault Tolerant Sys)
- Domenico Ciuonzo (Networked Sensor Sys)
- Marcus Baum (Letters)

AE Performance for T-AES

Name	Average	Max	Min	Accepted	Rejected	Decision to Revise	Withdrawn	No Decision	Total	Acceptance Rate (%)
Adve, Raviraj	113	258	4	4	8	11	0	4	16	33
Akella, Maruthi R.	274	662	77	1	0	4	0	0	1	100
Aloi, Daniel	200	200	200	0	0	0	0	0	0	0
Baum, Marcus	99	99	99	0	1	0	0	1	2	0
Blair, William	0	0	0	0	0	0	0	0	0	0
Blanke, Mogens	143	242	10	0	4	1	0	0	4	0
Blunt, Shannon	92	157	5	9	8	11	1	7	25	53
Braca, Paolo	102	231	20	2	4	7	0	1	7	33
Charlish, Alexander	158	280	94	5	0	10	1	8	14	100
Choukroun, Daniel	233	233	233	1	0	0	0	2	3	100
Ciuonzo, Domenico	85	129	55	0	5	7	0	0	5	0
Coraluppi, Stefano	120	167	104	3	0	3	0	3	6	100
Curran, James	128	184	80	0	2	4	0	4	6	0
Davidson, Keith	197	266	133	2	2	2	0	3	7	50
Dempster, Andrew	120	174	78	6	3	7	0	2	11	67
Ducard, Guillaume	126	157	74	1	1	2	0	3	5	50
Efe, Murat	120	196	22	4	3	7	0	6	13	57
Gao, Grace	132	163	107	0	4	3	0	5	9	0
Ghose, Debasish	154	201	103	3	2	4	0	3	8	60
Gini, Fulvio	91	145	12	5	10	15	0	5	20	33
Goodman, Nathan	363	599	209	4	0	0	0	0	4	100
Govaers, Felix	165	371	35	7	0	6	0	5	12	100
Hanebeck, Uwe	144	288	50	2	7	1	0	0	9	22
Hary, Stephen	0	0	0	0	0	0	0	0	0	0
Hwang, Inseok	90	135	34	4	6	6	0	4	14	40
Idan, Moshe	96	171	27	1	8	1	0	2	11	11
Jah, Moriba	192	453	78	3	0	1	0	2	5	100
Jauffret, Claude	0	0	0	0	0	0	0	0	0	0
Joerger, Mathieu	114	162	66	3	6	7	0	2	11	33
Kaplan, Lance	104	165	58	12	2	17	0	1	15	86
Karaman, Sertac	267	381	159	4	5	4	0	4	13	44
Kassas, Zaher (Zak)	136	149	126	0	3	1	0	2	5	0
Khorasani, K.	264	496	0	0	2	0	0	2	4	0
Koch, Wolfgang	0	0	0	0	0	0	0	0	0	0

AE Performance for T-AES (Cont)

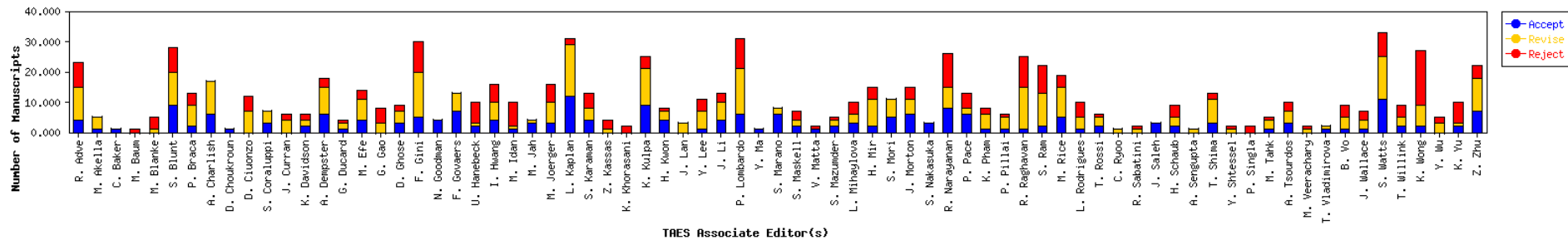
Name	Average	Max	Min	Accepted	Rejected	Decision to Revise	Withdrawn	No Decision	Total	Acceptance Rate (%)
Kulpa, Krzysztof	100	169	63	9	4	12	0	10	23	69
Kwon, Heesung	128	211	75	4	1	3	0	9	14	80
Lan, Jian	88	96	77	0	0	3	0	3	3	0
Lee, Young	174	323	75	1	4	6	0	0	5	20
Li, Junfeng	97	145	56	4	3	6	0	1	8	57
Lombardo, Pierfranc	102	161	33	6	9	15	0	6	21	40
Marano, Stefano	100	134	66	6	0	2	0	0	6	100
Maskell, Simon	227	351	143	2	3	2	0	4	9	40
Matta, Vincenzo	364	364	364	1	1	0	0	0	2	50
Mazumder, Sudip	164	322	52	2	1	2	0	3	6	67
Ma, Yunqian	281	390	120	1	0	0	0	2	3	100
Mihaylova, Lyudmila	149	397	1	3	4	3	0	4	11	43
Mir, Hasan	90	158	2	2	4	10	0	7	13	33
Mori, Shozo	162	246	3	5	0	5	0	0	5	100
Morton, Jade	170	330	21	6	4	5	0	0	10	60
Nakasuka, Shinichi	398	667	81	3	0	0	0	4	7	100
Narayanan, Ram	91	145	6	8	11	7	0	1	20	42
Pace, Phillip	245	468	83	6	5	2	0	5	16	55
Pham, Khanh	103	139	82	1	2	5	0	2	5	33
Pillai, Prashant	196	366	127	1	1	4	0	2	4	50
Pollini, Lorenzo	0	0	0	0	0	0	0	3	3	0
Raghavan, R	80	188	1	1	10	14	0	6	17	9
Ram, Shobha	115	228	36	2	9	10	1	8	20	18
Rice, Michael	90	140	0	5	4	10	0	0	9	56
Rodrigues, Luis	98	140	26	1	5	4	0	2	8	17
Rossi, Tommaso	136	329	10	2	1	3	0	4	7	67
Ryoo, Chang-Kyung	187	187	187	0	0	1	0	4	4	0
Sabatini, Roberto	137	159	116	0	1	1	0	10	11	0
San Antonio, Geoffr	459	459	459	0	0	0	0	0	0	0
Schaub, Hanspeter	104	138	53	2	4	3	0	3	9	33
Sengupta, Anirban	66	66	66	0	0	1	0	5	5	0
Shima, Tal	143	268	76	3	2	8	0	2	7	60
Shtessel, Yuri	58	78	38	0	1	1	0	3	4	0
Singla, Puneet	20	40	0	0	2	0	0	5	7	0

AE Performance for T-AES (Cont)

Name	Average	Max	Min	Accepted	Rejected	Decision to Revise	Withdrawn	No Decision	Total	Acceptance Rate (%)
Tague, John	0	0	0	0	0	0	0	0	0	0
Tahk, Min-Jea	234	360	143	1	1	3	0	1	3	50
Tsourdos, Antonios	179	356	70	3	3	4	0	4	10	50
Veerachary, Mumm	194	360	82	0	1	1	0	5	6	0
Vladimirova, Tanya	168	181	156	1	0	1	0	3	4	100
Vo, Ba-Ngu	142	230	74	1	4	4	0	3	8	20
Wallace, Jon	105	182	14	1	2	3	1	3	7	33
Watts, Simon	82	145	0	11	8	14	0	8	27	58
Willett, Peter	0	0	0	0	0	0	0	0	0	0
Willink, Tricia	102	149	68	2	4	3	0	4	10	33
Wong, Kainam Thor	84	133	0	2	18	7	0	7	27	10
Wu, Yuanxin	51	75	4	0	2	3	0	5	7	0
Yu, Kegen	112	212	62	2	7	1	1	5	15	22
Zhu, Zhen	145	386	10	7	4	10	0	2	13	64

AE Summary Chart for T-AES

Dates: 5/1/2016 to 4/30/2017



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
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

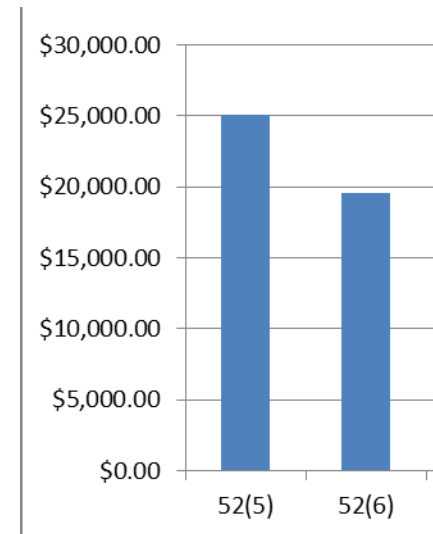
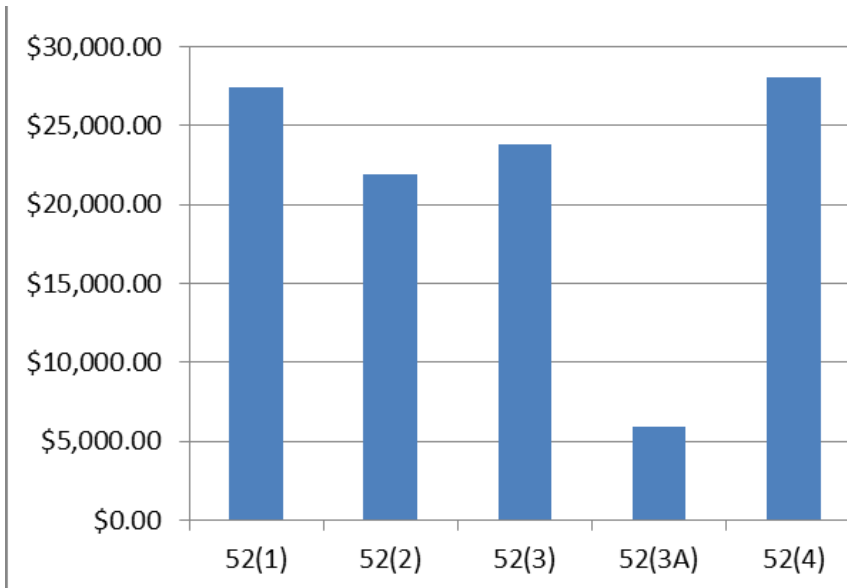
IEEE Xplore Usage – Transactions

	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 52, No. 1 - \$ 27,400
Volume 52, No. 2 - \$ 21,900
Volume 52, No. 3 - \$ 23,800
Volume 52, No. 3a- \$ 5,300 (open access only)
Volume 52, No. 4 - \$ 28,100
Volume 52, No. 5 - \$ 25,100
Volume 52, No. 6 - \$ 19,600

2016 Total to Date = \$107,100
2017 Total to Date = \$ 44,700



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 is Associate Editor
5. New magazine column: “Industry Tips and Insights”
 - Published first article in January 2016
 - I have two articles that are waiting to be written

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. Contacting new AE.

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. Planned August 2017 (4 accepted papers, 2 still under review)

3) HF surface wave and skywave radars

1. GEs: D. O'Hagan, J. Fabrizio, G. Frazer, S. Anderson
2. Planned November 2017/January 2018 (14 submitted papers)

4) Cyber Security in Aerospace System

1. GEs: Kathleen Kramer, Prof. Dr. Ir. Erik Theunissen, and Bill Walsh
2. Planned December 2017 (1 accepted paper, 7 still under review)

5) Integrated Navigation, Sensing and Communications for Solving Problems in Society (open, deadline May 31 2017)

1. GEs: Leo P. Ligthart and Marina Ruggieri
2. Planned May 2018

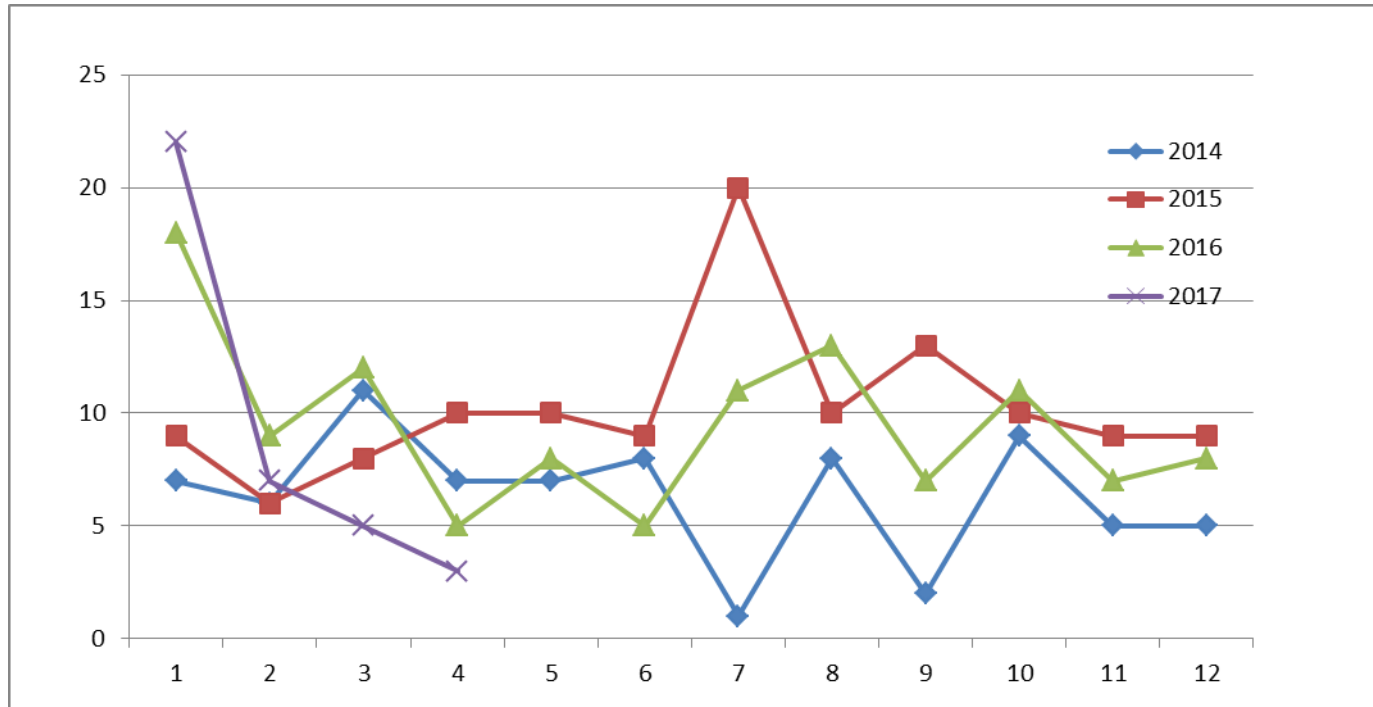
6) Metrology for Aerospace Systems (open, deadline July 2017)

1. GEs: P. Daponte, Stefano Debei
2. Planned June/July 2018

7) Exploration Mission-1 and Deep Scale CubeSats (open, deadline Oct. 15 2017)

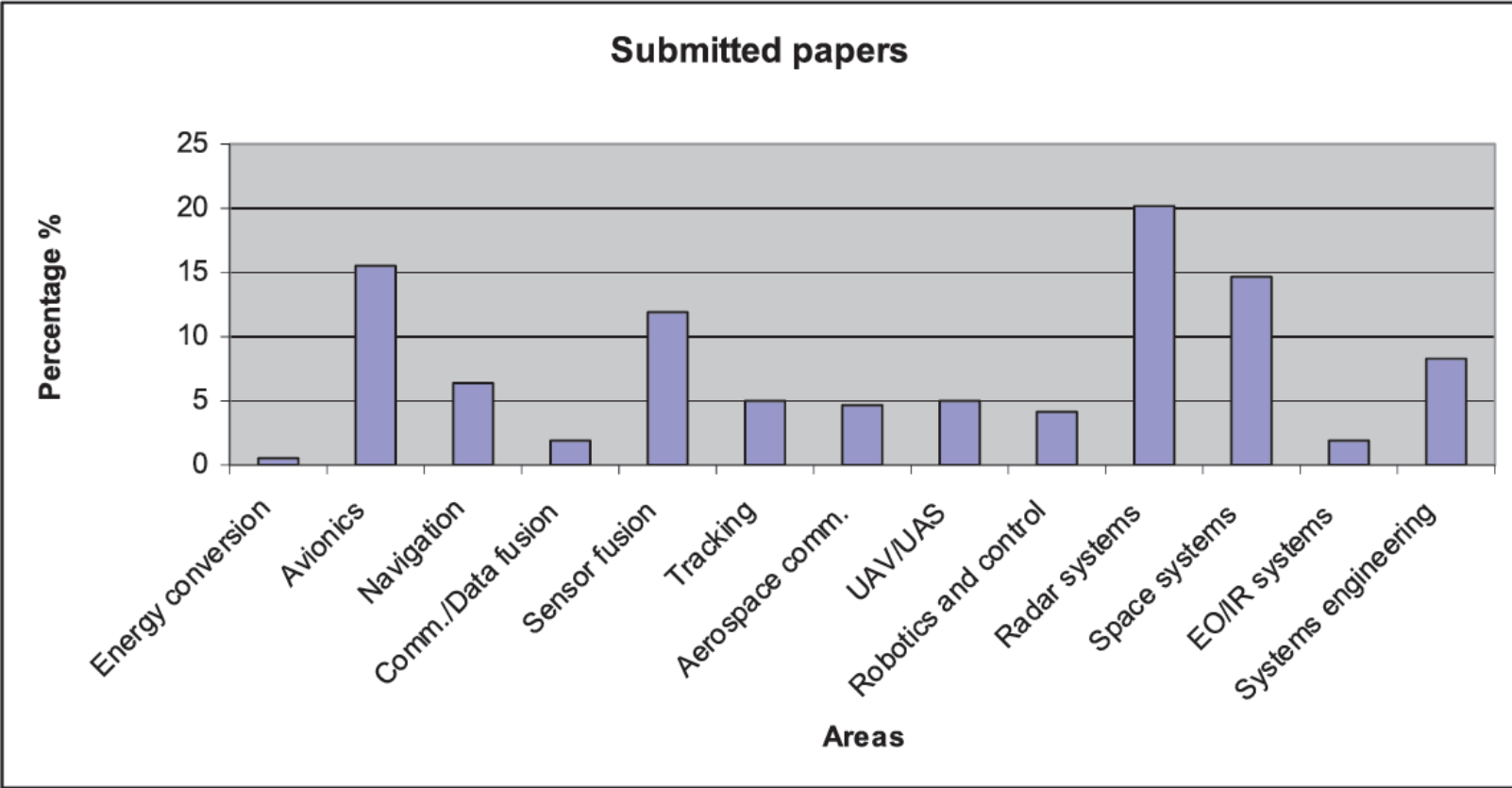
1. GEs: Faramaz Davarian, Yang Gao, Peter Kinman
2. Planned November 2018

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



Average submissions per month
6.33 (2014), 10.25 (2015), 9.5 (2016), 9.25 (first 4 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
 - Funds from IEEE AESS to prepare book for printing

Status

- Four tutorials published in March 2016
- Four tutorials published in December 2016
- Four tutorials scheduled for June 2017
- Four tutorials planned for November 2017

Publication Initiatives

QEB - Needs to Do Better

1. Establishing processing that should improve the quality and value of the 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

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

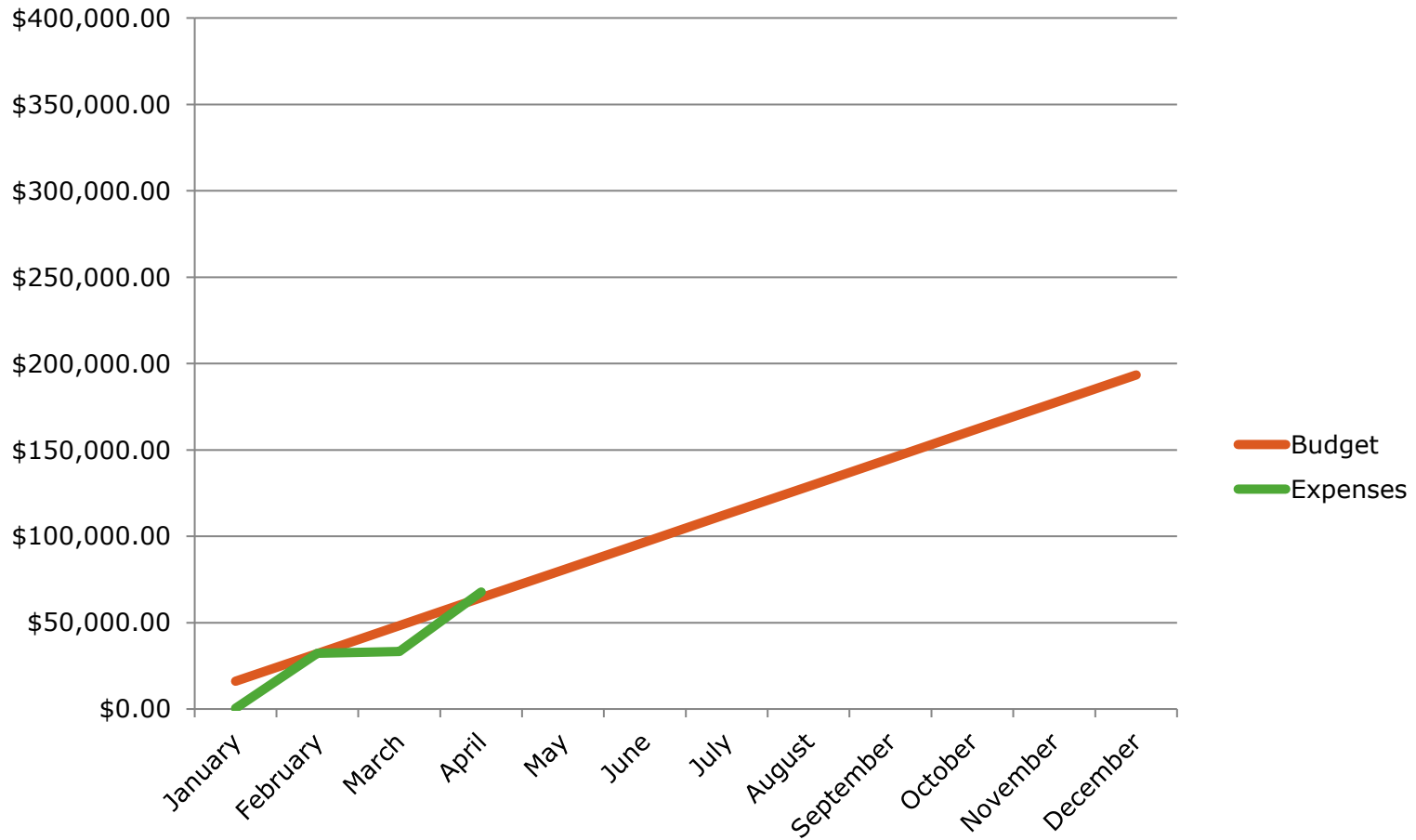
Visits to IEEE AESS Web Site

Page Views	
Area	October 2016 to May 2017
Total	57,201
Conferences	8,117 (14.19%)
Contact	7,718 (13.49%)
Publications	6,090 (10.65%)
Membership	1,635 (2.86%)
Technical Operations	1,537 (2.69%)
Educations	1,318 (2.30%)

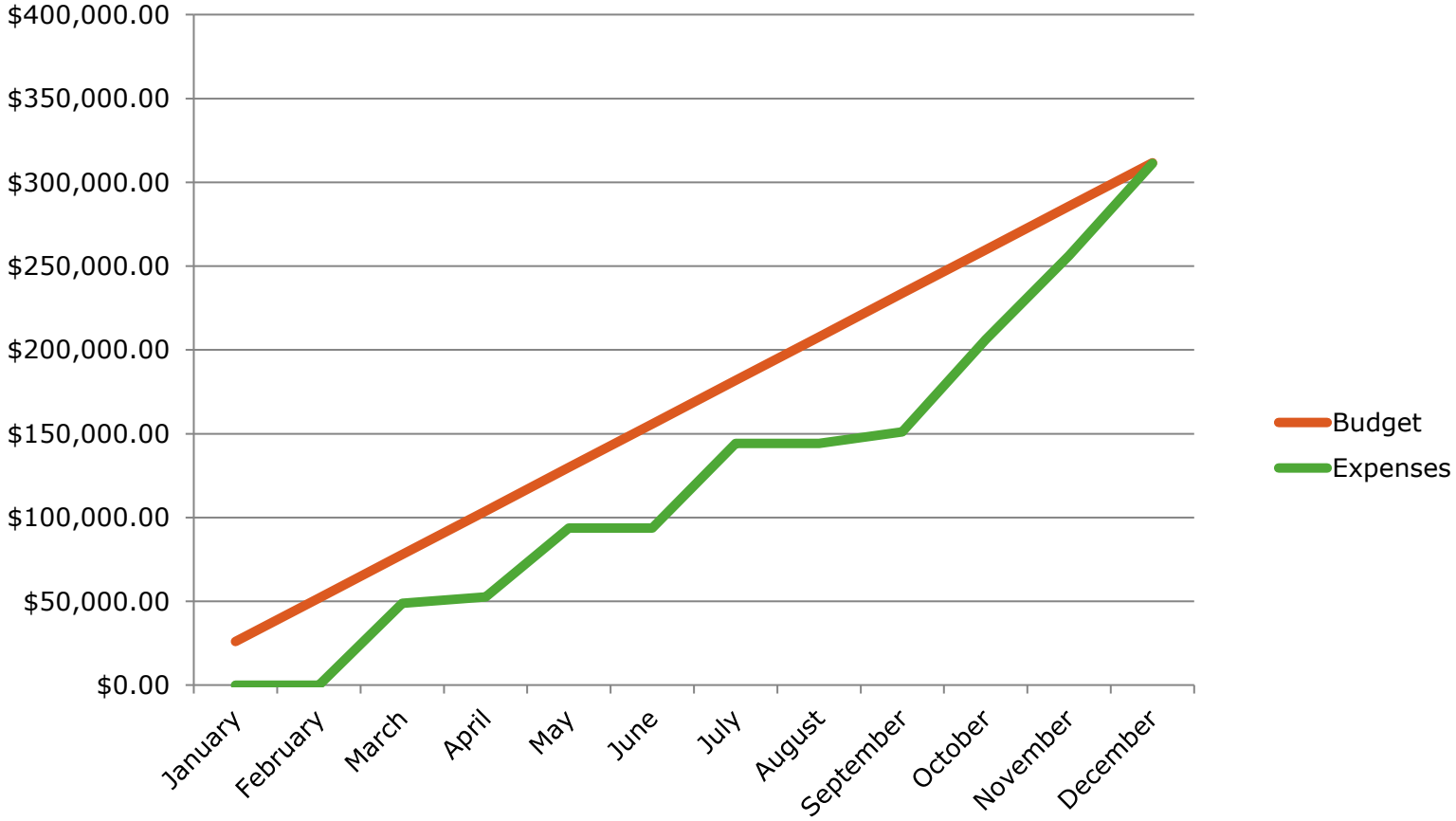
2017 Budget T-AES

- 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 – Mehak Chopra
- 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
- Note – Actual expenses (next slide) includes Pre-existing Indexing Services charged by IEEE (beyond TAES budget)

T-AES Expenses–Budget vs. Actual 2017



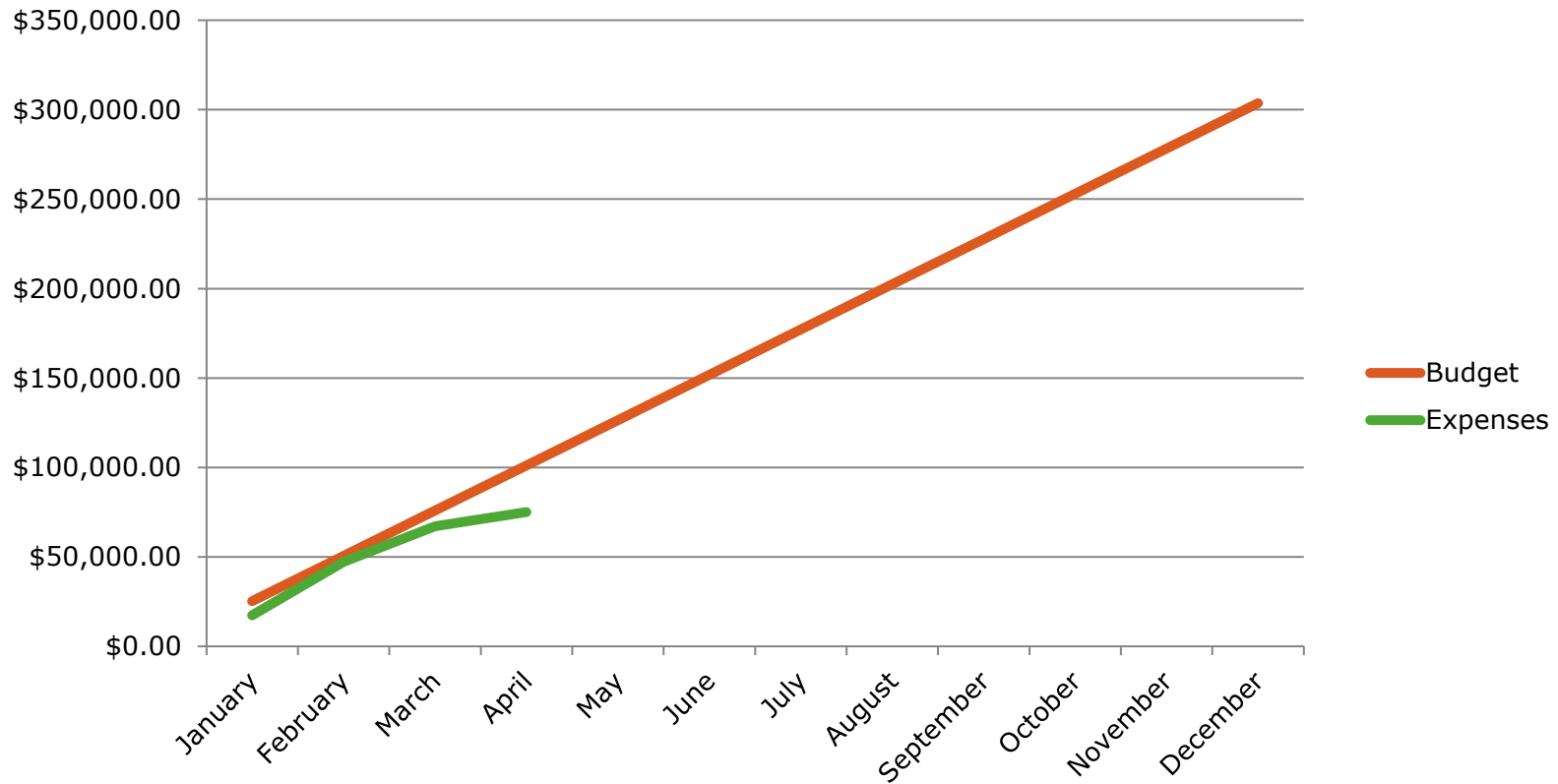
T-AES Budget vs. Actual 2016



2017 AES-M Budget

- 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

AES-M – Budget vs. Actual - 2017



Financial Assessment

All is good!!!!!!