

AESS Publications Report

AESS Board Of Governors (BOG) Meeting

April 22-23, 2016

Orlando, Florida

Dale Blair

VP Publications AESS



Publications 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.
- AESS Publications will pursue the following **strategic vision for its publications**
 - **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 (Status)

- **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 will be in place in 2016.
- **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 2016.
- **QEB** – special efforts are being made to improve the QEB and increase readership. Opens are at 33% of 4387 sent.
- **AESS Web Site** – special efforts are being made to improve the quality and value to our members. 2015 pageviews are up 50% over 2014 pageviews.

Strategic Objectives (3 Years)

Transactions

- (1) Reduce the average submission to-publication delay for the AES transactions to 12 months.
- (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 the contributions from industry to 2 articles per issues
- (3) Increase Impact Factor of magazine to 1.0

Tutorials

- (1) Publish 8 articles per year

QEB

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

AESS Web Site

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

Publication Initiatives (1 of 3)

Transactions

1. XML Tagging of submissions to the transactions at submission for early posting on IEEE Xplore
 - Recently received standards for delivery of the XML Tagging from IEEE HQ
 - Almost ready for trial test. Should be operational in early 2016.
2. Establish and Implement Term Limits for Editors of the Transactions
 - Technical Editors - complete
 - Associate Editors - complete by end of 2016
3. Completed a surge in publication of transactions articles available
 - Published an extra 307 pages in 2015.
 - Reduced the submission to publication delay significantly.

Publication Initiatives (2 of 3)

Magazine

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
5. New magazine column: “Industry Tips and Insights”
 - Published first article in January 2016
6. Increase the role of AESS in EO/IR Systems Literature
 - Recruiting articles/special issues for the magazine
7. Assess value of electronic version to AESS members for future distribution decisions.

Publication Initiatives (3 of 3)

Tutorials

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

QEB

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

AESS Web Site

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

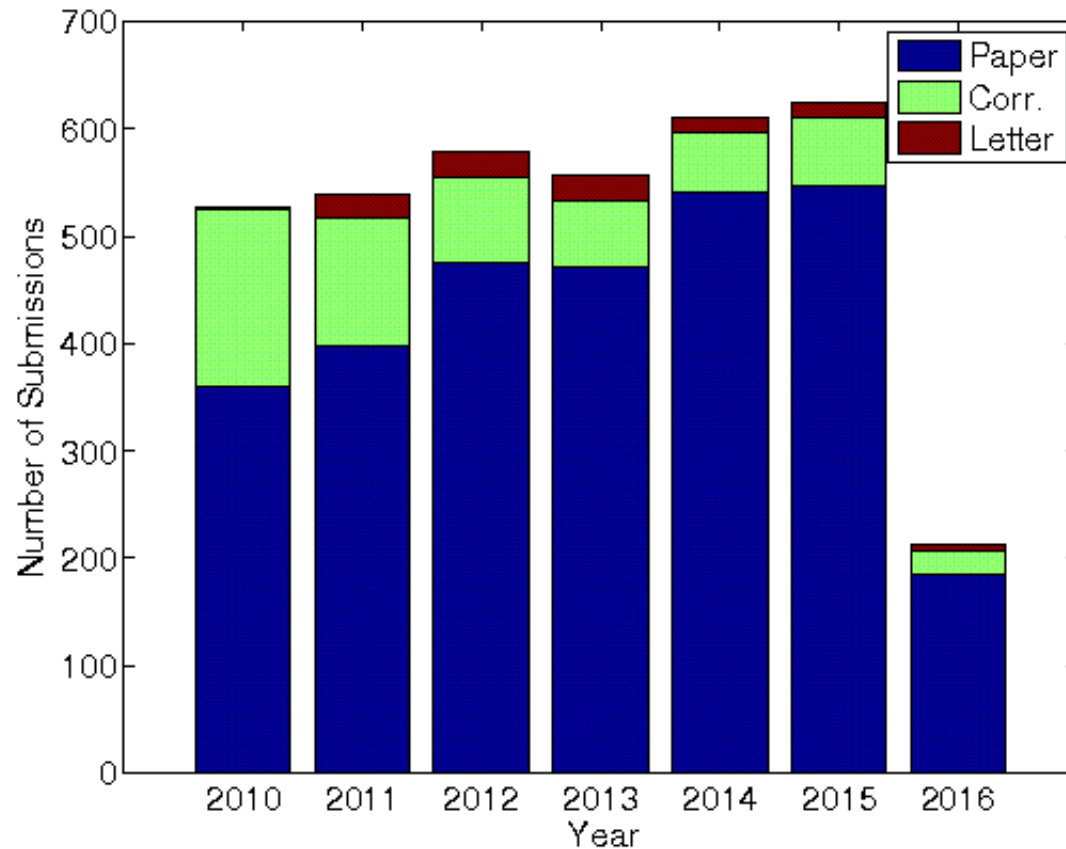
Status of T-AES

Lance Kaplan, EIC

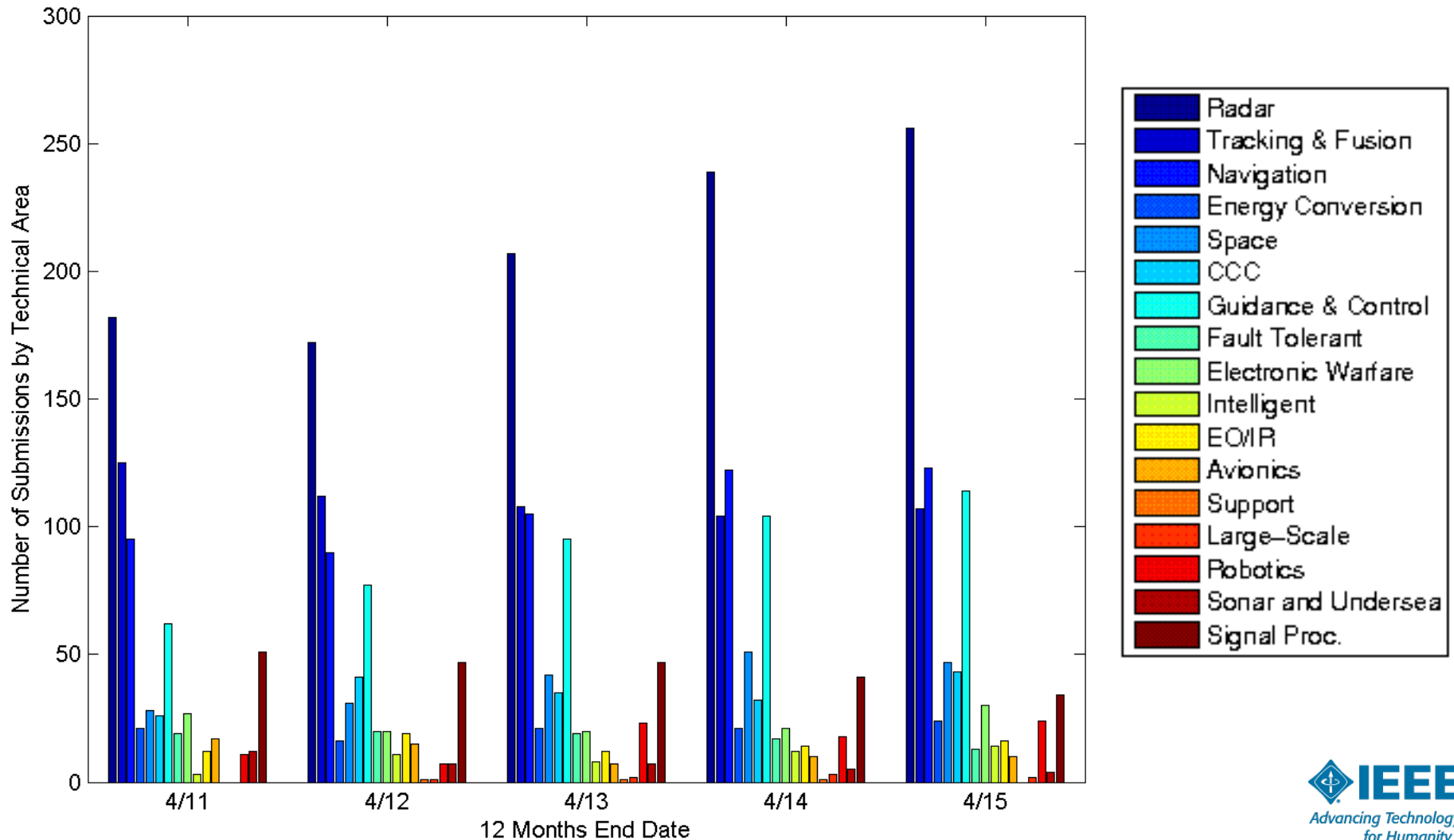
Michael Rice, Associate EIC

Wolfgang Koch, Associate EIC

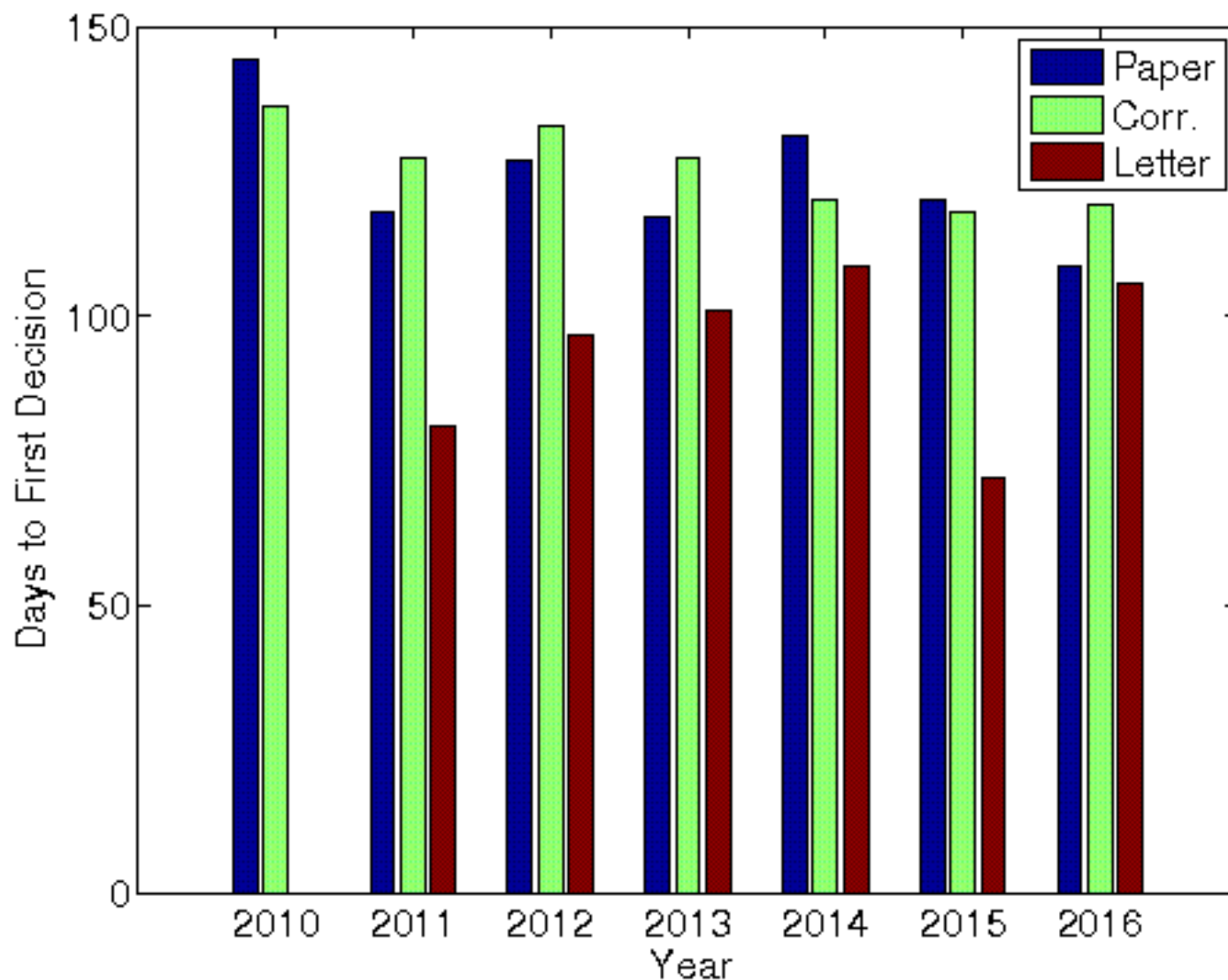
Number of Submissions to T-AES



Submissions by Technical Area for T-AES



Time to First Decisions for T-AES



Final Decisions for T-AES

	2010	2011	2012	2013	2014	2015
Accepts	192	191	174	223	209	234
Rejects	288	343	300	302	364	343
Acceptance Rate	40%	36%	37%	42%	36%	41%

Quality of T-AES

	2009	2010	2011	2012	2013	2014
No. Articles	126	126	218	257	196	246
Impact Factor	1.230	0.917	1.095	1.299	1.394	1.757
5 Year Impact Factor	1.776	1.603	1.680	1.767	1.755	2.053
Immediacy Index	0.095	0.140	0.151	0.214	0.327	0.098

2014 Rankings (Engineering, Aerospace):

Impact Factor: #2

5-year IF: #2

Source: Thomson Reuters *Journal Citation Report*

T-AES News

- TAES is now bimonthly
- IEEE Xplore Posting of Issues
 - February 2016 issue has been posted
 - April 2016 issue will soon be delivered
- EJPRESS Post-Acceptance Workflow
 - Rita is now using the workflow to exchange files with authors
 - Automatic generation of early access XMLs:
 - EJPRESS appears is converging to a working system
 - Very close to early posting of manuscripts
- Technical editors now have term limits
 - Five technical editor terminated in December

M. Barry Carlton Award

- 2011 award announced in February 2016 issue:
 - Masafumi Miyatake, Mummadi Veerachary, Fuhito Toriumi, Nobuhiko Fujii, and Hideyoshi Ko, “Maximum Power Point Tracking of Multiple Photovoltaic Arrays: A Particle Swarm Optimization Approach”
- 2012 award will be announced in June 2016 issue
- Plan to select the 2013 award by the end of the year

Associate Editors for T-AES

■ New Appointees

- Krzysztof Kupla (Radar)
- Ram Raghavan (Radar)
- Shobha Sundar Ram (Radar)
- Tommaso Rossi (Space)
- Paolo Braca (Tracking)
- Hanspert Schaub (G & C)
- Hasan Saeed Mir (Signal Processing)
- Yunqian Ma (Navigation)

Technical Editors for T-AES

■ New Appointments

- Pierfrancesco Lombardo (Radar)
- Maruthi Akella (Space)
- Khanh Pham (Intelligent System)
- Mummadi Veerachary (Energy Conversion)
- Keith Davidson (Sonar)

AE Performance for T-AES

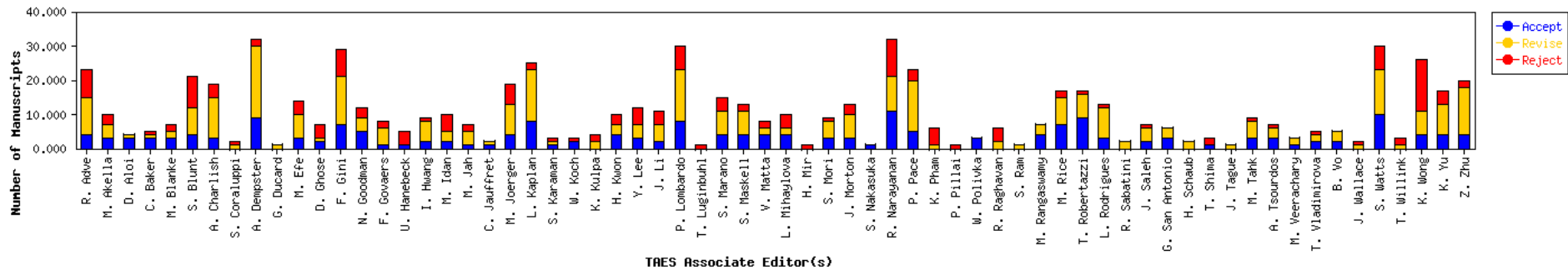
Name	Average	Max	Min	Accepted	Rejected	Decision to	Withdrawn	No Decision	Total	Acceptance
Abramovich, Yuri	359	557	162	1	0	0	0	1	2	100
Adve, Raviraj	112	191	58	1	1	10	0	3	5	50
Akella, Maruthi R.	468	468	468	1	0	0	0	3	4	100
Aloi, Daniel	69	158	0	2	8	1	0	4	14	20
Baker, Chris	143	420	63	5	5	7	0	6	16	50
Bell, Mark	399	399	399	1	0	0	0	0	1	100
Blair, William	0	0	0	0	0	0	0	0	0	0
Blanding, Wayne	108	173	0	6	11	10	0	4	21	35
Blanke, Mogens	188	322	0	1	2	2	0	6	9	33
Blunt, Shannon	94	132	1	3	3	7	0	2	8	50
Braasch, Michael	122	170	69	9	0	4	0	0	9	100
Campbell, Mark E.	0	0	0	0	0	0	0	0	0	0
Choukroun, Daniel	238	307	182	0	1	1	0	4	5	0
Coraluppi, Stefano	104	139	81	4	3	3	0	5	12	57
Dempster, Andrew	109	180	73	3	2	13	0	2	7	60
Efe, Murat	104	316	0	5	9	6	0	2	16	36
Ender, Joachim	140	147	134	0	2	2	0	1	3	0
Gebre-Egziabher, Der	0	0	0	0	0	0	0	0	0	0
Ghose, Debasish	123	184	78	3	4	4	0	4	11	43
Gini, Fulvio	78	141	1	4	6	15	0	1	11	40
Goodman, Nathan	127	220	25	0	1	4	0	8	9	0
Groves, Paul	130	279	9	1	8	1	0	4	13	11
Gustafsson, Fredrik	184	243	124	2	2	0	0	3	7	50
Hablani, Hari	0	0	0	0	0	0	0	0	0	0
Hanebeck, Uwe	108	270	0	1	15	0	0	9	25	6
Hary, Stephen	125	258	20	4	8	4	0	3	15	33
Hwang, Inseok	122	162	73	2	2	3	0	5	9	50
Idan, Moshe	100	181	3	1	6	4	0	5	12	14
Jah, Moriba	102	109	94	1	2	6	0	1	4	33
Jauffret, Claude	158	235	95	2	0	1	0	3	5	100
Kaplan, Lance	33	157	0	7	32	20	0	4	43	18
Khorasani, K.	134	171	65	0	1	0	0	3	4	0
Koch, Wolfgang	117	339	0	8	12	15	0	8	28	40
Krishnamurthy, Vikran	0	0	0	0	0	0	0	0	0	0
Kwon, Heesung	82	189	1	3	4	12	0	6	13	43
Lachapelle, Gerard	0	0	0	0	0	0	0	0	0	0
Lee, Jim	0	0	0	0	0	0	0	0	0	0
Li, Junfeng	120	128	109	0	1	2	0	2	3	0
Lombardo, Pierfrances	219	287	127	2	1	11	0	4	7	67

AE Performance for T-AES (Cont)

Name	Average	Max	Min	Accepted	Rejected	Decision to	Withdrawn	No Decision	Total	Acceptance
Luginbuhl, Tod	282	314	248	3	1	1	0	5	9	75
Marano, Stefano	98	143	19	5	8	8	0	8	21	38
Mazumder, Sudip	475	828	249	0	0	0	0	1	1	0
Michelson, Robert	0	0	0	1	0	0	0	0	1	100
Mihaylova, Lyudmila	151	331	74	0	0	7	0	4	4	0
Mortari, Daniele	0	0	0	0	0	0	0	2	2	0
Morton, Jade	98	187	1	2	5	1	0	3	10	29
Nakasuka, Shinichi	154	184	135	0	0	4	1	3	4	0
Narayanan, Ram	80	112	5	7	1	10	0	5	13	88
Nickel, Ulrich	108	222	59	8	3	17	0	5	16	73
Patterson-Hine, Ann	0	0	0	0	0	0	0	0	0	0
Polivka, William	61	175	0	1	7	3	0	0	8	13
Pullen, Sam	322	322	322	0	0	1	0	0	0	0
Rangaswamy, Muralid	261	1083	0	2	3	3	0	0	5	40
Rauhut, Holger	84	93	72	0	0	5	0	0	0	0
Rice, Michael	78	201	0	7	8	12	0	7	22	47
Robertazzi, Thomas	126	212	0	3	2	4	0	5	10	60
Rodrigues, Luis	0	0	0	0	0	0	0	0	0	0
Ruggieri, Marina	0	0	0	0	0	0	0	0	0	0
Saleh, Joseph	0	0	0	0	0	0	0	0	0	0
Salmond, David	0	0	0	0	0	0	0	0	0	0
Schirinzi, Gilda	90	94	84	0	2	2	0	0	2	0
Strohmer, Thomas	189	224	148	0	2	1	0	1	3	0
Sukkarieh, Salah	80	155	0	0	5	4	0	1	6	0
Tague, John	76	194	0	5	1	0	0	0	6	83
Tahk, Min-Jea	110	226	0	0	1	6	0	2	3	0
Veerachary, Mummad	175	249	102	2	0	1	0	0	2	100
Vladimirova, Tanya	209	312	161	1	0	4	0	0	1	100
Vo, Ba-Ngu	120	245	4	3	3	4	0	3	9	50
Watts, Simon	114	312	62	3	6	4	0	2	11	33
Weiss, Matthias	121	151	35	0	1	4	0	1	2	0
Willett, Peter	159	327	61	7	3	4	0	0	10	70
Wong, Kainam Thoma	89	165	0	1	7	5	0	2	10	13
Yu, Kegen	0	0	0	0	0	0	0	5	5	0

AE Summary Chart for T-AES

Dates: 4/1/2015 to 4/30/2016



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							
2014	1.757		>10	0.098	0.0103	0.691	246
2013	1.394	1.236	>10	0.327	0.0093	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

Status of AES Magazine

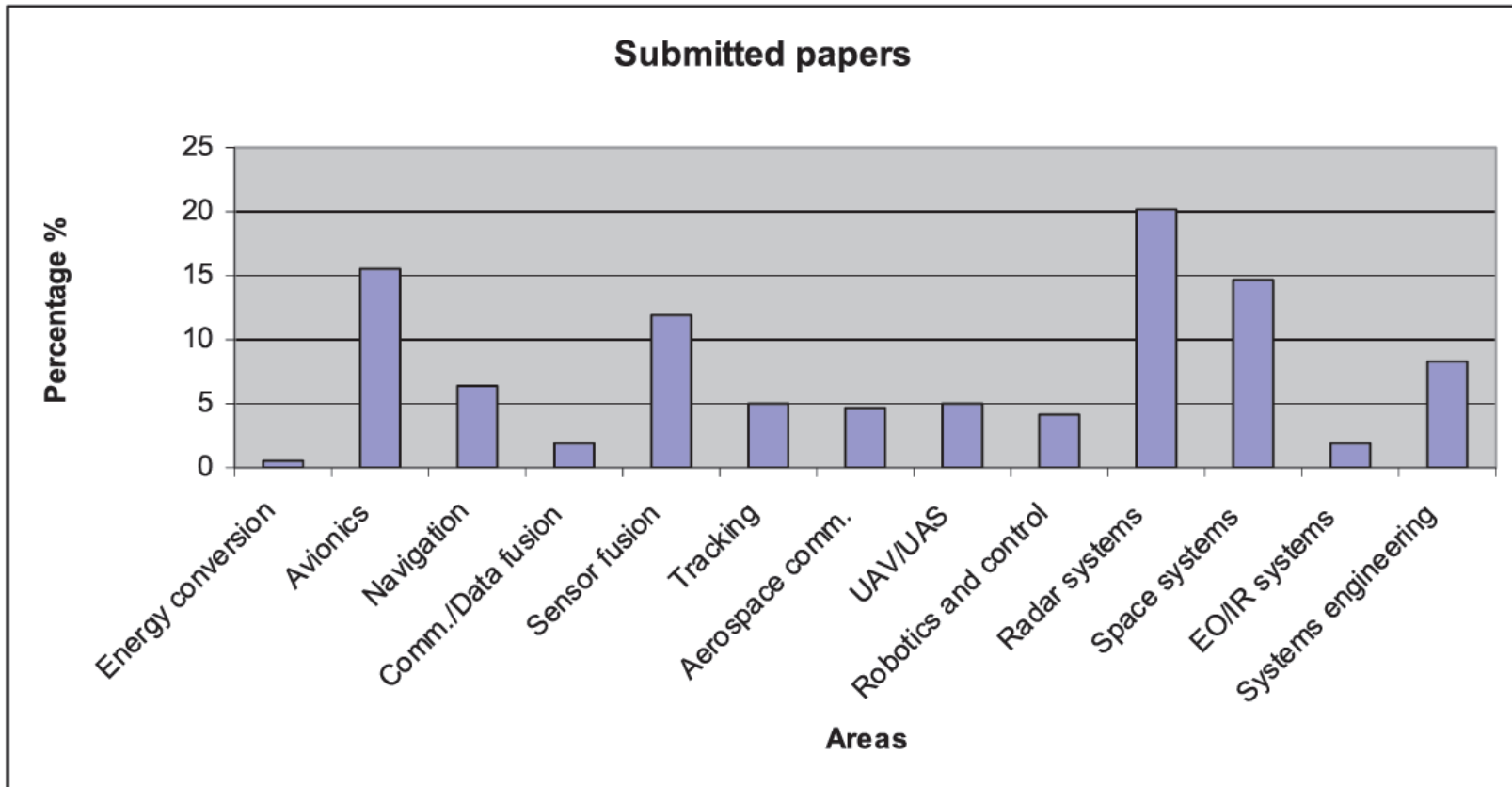
Sabrina Greco, EIC

Peter Willett, Associate EIC

Editorial Changes for AES-M

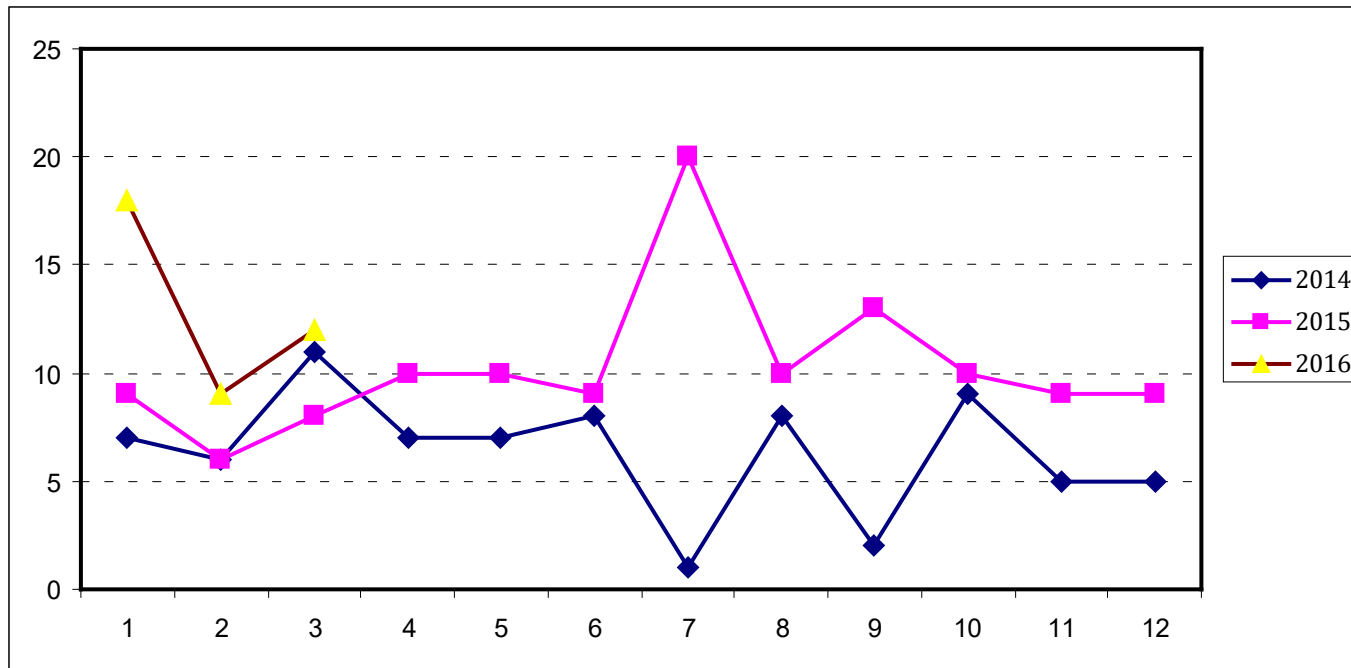
- New Associate Editors:
 - Michael Braasch – Navigation, Positioning
 - Michael Cardinale – EO/IR Systems and Image Processing
 - Roberto Sabatini - Avionics Systems
- EiC Letter of appreciation to the 2 most active AEs in 2015:
 - Daniel O'Hagan
 - Rui Wang

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.

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



Average submissions per month
6.33 (2014), 10.25 (2015), 13 (first 3 months 2016)

Special issues for AES-M

1) Avionics

1. GEs: E. Blash, P. Kostek, W. Walsh
2. September 2015 (5 published papers)

2) Sense and Avoid for Unmanned Aircraft Systems

1. GEs: G. Fasano, D. Maroney
2. Part I - July 2016, Part II - September 2016 (9 accepted papers)

3) Waveform Diversity for Electromagnetic Sensing and Communications

1. GEs: E. Mokole, S. Goldstein, R. Adve
2. Part I - October 2016, Part II - December 2016 (10 submitted papers)

4) Passive and Multi-static Radar for Civil Applications

1. GEs: H. Kuschel, K. Olsen
2. Planned for February 2017 (7 submitted papers)

5) Navigation and Positioning Systems

1. GEs: M. Braasch, A. Dempster
2. Planned June 2017 (open)

Advertisement in AES-M

- Bill Walsh is working with Mark David and Mindy Belfer for having some ads at least in the special issues.
- We provided a list of prospective ads suggested by the GEs. Mark and Mindy have been not responsive so far.

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 2016 issues will be accompanied by an electronic version free to AESS members.

AESS Publications Metrics

Standard Metrics - Magazine

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							
2014	0.936		8.3	0.102	0.0015	0.288	49
2013	0.438	0.404	8.4	0.073	0.0009	0.166	55
2012	0.343	0.313	8.1	0.037	0.0012	0.205	54
2011	0.297	0.282	6.9	0.015	0.0011	0.173	67
2010	0.179	0.172	6.3	0.014	0.0015	0.219	70

IEEE Xplore Usage - Magazine

	2015	2014	2013	2012	2011	2010
SUM/ RANK		124,621 /91	107,718/ 94	113,854/ 87	124,761/ 81	119,910/ 77

Status of QEB

Michael Rice, EIC

Judy Scharmann, Executive Assistant

QEB Process

- For 2016, the QEB will be published on the following dates (with content submission dates):
 - **4 January 2016** (Content submitted by 21 December 2015)
 - **5 April 2016** (Content submitted by 22 March 2016)
 - **6 July 2016** (Content submitted by 22 June 2016)
 - **3 October 2016** (Content submitted by 19 September 2016)

EDITORIAL

- Michael Rice is in his first year as Editor-In-Chief for QEB (appointed in November 2015)
- Lauren Stockman (Conference Catalysts, LLC) provides editorial and production support

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	1,197	31%	8	1	165

Status of AESS Web Site

Dale Blair, VP Publications

Judy Scharmann, Executive Assistant

Visits to IEEE AESS Web Site

July 1, 2015 to April 17, 2016

Sessions = 27,203

Users = 20,010

Pageviews = 70,625

Pages / Session = 2.60

Avg. Session Duration = 00:02:17

Bounce Rate = 53.82%

New Sessions = 78%

AESS Publications Operating Budget

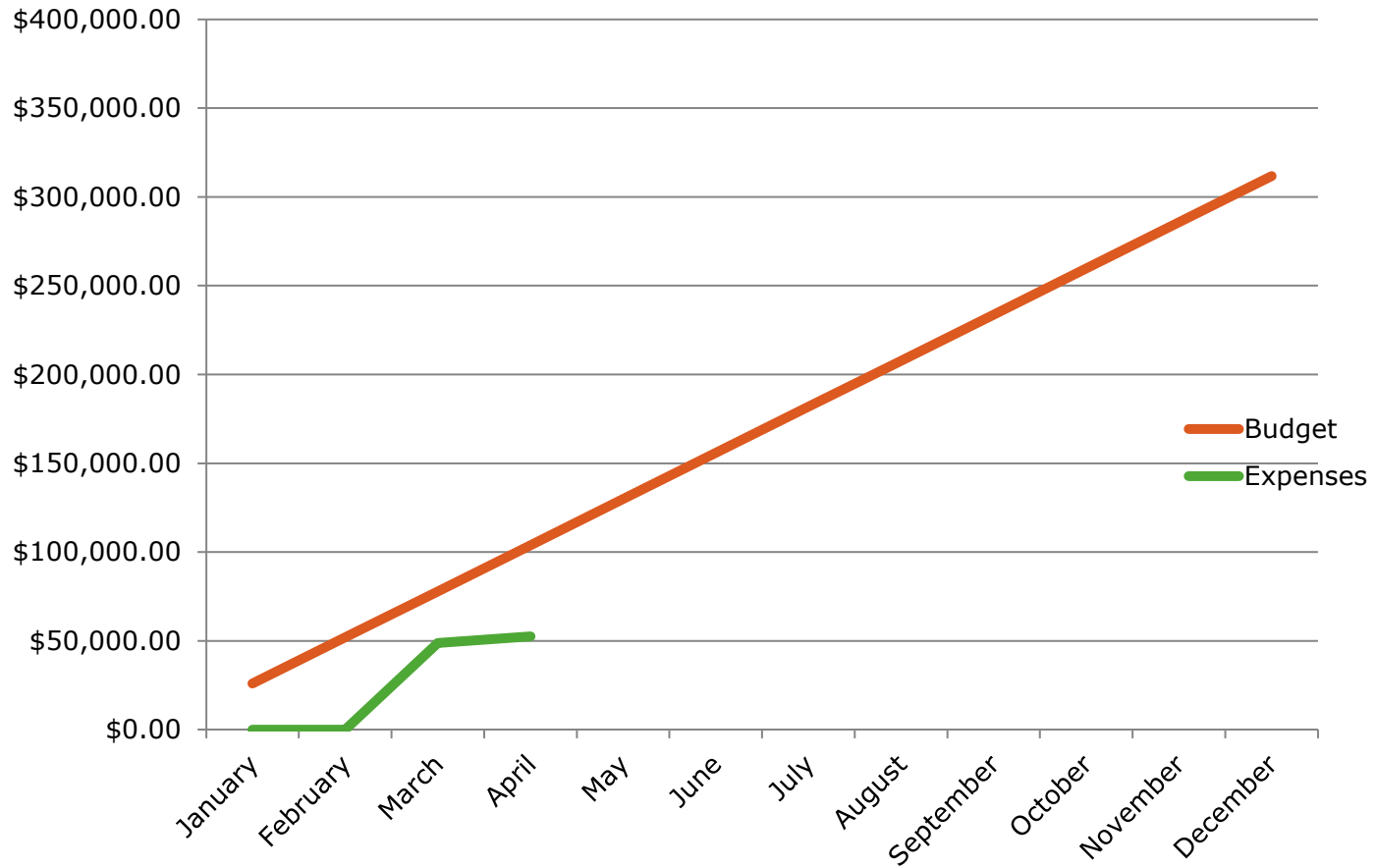
2016 Budget Expenses Summary
April 22, 2016

Bill Walsh, Administrative Editor

2016 Budget Expenses Estimate for T-AES

- Allen Press (AE-T) - \$295,473
 - 3rd year of 3 year contract for integrated services (includes 2% escalation from previous year)
 - Plan for Bi-Monthly electronic publication (previously quarterly)
 - Managing Editing, Copy Editing, Typesetting, XML tagging
- Precision Computer Works (EJP) - \$22,000
 - eJournal Database
 - Includes Task Order #TT16842 – IEEE: Export with IEEE DTD (carried over from 2015)
- Total for Budget Plan 2016: \$317,473
 - Does not include IEEE-related expenses attributed to Transactions (e.g. various purchase services, XPLORE, etc.)
 - EJP estimate covers work for *Systems* Magazine as well.
- Re-compete of the Allen Press editing and production contract to be executed in 2016

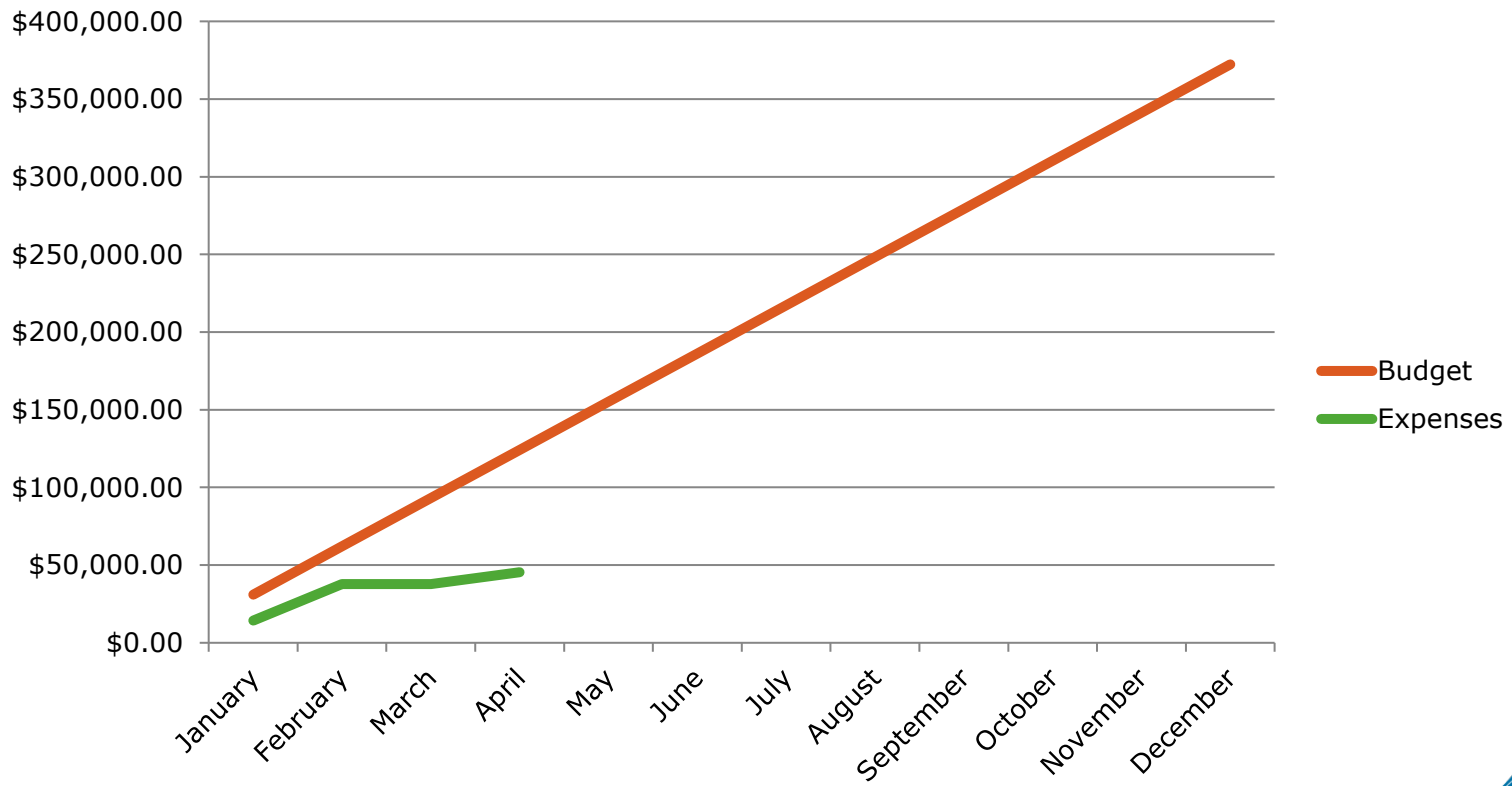
T-AES Expenses – Actual vs. Estimated



2015 Budget Expenses for AES-M

- Publication & Delivery Services - \$257,500
 - Allen Press (AP-S) – Task Order Contract
- Administrative/Asst. Administrative Editors - \$35,000
 - Susanne J. Walsh (SJW) – Independent Contractor
- Total Budgeted Expenses for 2016: \$292,500
 - Does not include IEEE-related expenses attributed to Systems (e.g. various purchase services, XPLORE, etc.)
 - Comparative expenses for 2015: \$372,322 - \$80K difference is attributed to more efficient costs captured and reflected in new Allen Press contract, Dave Dobson retirement as active consultant.

AES-M Expenses – Estimated vs. Actual



Page Charges Income

January - April 2016

Jose Bolanos, Business Editor

Volume 51, No. 1	-	\$ 40,950.
Volume 51, No. 2	-	\$ 39,400
Volume 51, No. 3	-	\$ 49,200
Volume 51, No. 4	-	\$ 5,300 (open access only)
Total		\$134,850

Financial Assessment

- New paradigm for page charges is a gold mine.
- Publication initiatives is having almost no financial impact on AESS in the short term.
- Publications provides a surplus to AESS
- Publication initiatives will improve its financial impact on AESS in the long term.
- No additional AESS funds is needed for Publications initiatives as long as Publications team is allowed flexibility in spending its budget.