

MEMORANDUM

To: AESS Board of Directors
From: Edward Reedy
Vice President of Publications
Subject: Vice President for Publications Report for Spring 2004 Meeting (PLANS
Conference, Monterey, California)
Date: April 29, 2004

1. General: Several issues are currently being addressed in the publications area:

- 1) Revisions to AESS Procedures Charley
Gager brought to my attention that, currently, AESS Procedures list two standing committees in the Publications area---A Publications Editors Committee and an Editorial Review Board. These committees overlap and are duplicative. We agreed to include only the Editorial Review Board in the revised AESS Procedures.
- 2) AESS e- Newsletter A
suggestion has been made to publish a new AESS Newsletter by e-mail on a monthly basis. Since the Systems Magazine was intended to serve, among other things, as a monthly outlet for AESS news and activities, another newsletter would seem to be unnecessary and redundant at the present time.
- 3) AESS Conference Records not in IEEE IEL
Dave Dobson has reported "the majority of conference records produced by IEEE conferences held jointly with another society, whose copyright is NOT held by the IEEE, are NOT included in the IEEE IEC." This affects the AESS DASC (every other year) and many radar conferences. Dave has surfaced this problem to our DASC representatives and the Radar Systems Panel for action.
- 4) "Systems" Magazine Special Tutorial Issue
The first special tutorial issue of "Systems" (AESS's newest publication) was bound with the January 2004 Issue of the Magazine. By all accounts, it has been extremely well received for both technical content and readability. Several individuals have been instrumental in developing the vision for this new AESS publication and making it such a success; namely Ron Schroer, Joel Walker, Dale Blair, Peter Willett, Dave Dobson, and others. Again, thanks are extended to these hardworking members of the AESS publications team. The second issue of "Tutorials" is currently in the early planning stage.
- 5) AESS Publications Guidelines
Joel Walker is currently leading a discussion and effort within the AESS publications group to develop ground rules/guidelines for the types of technical articles appearing in our three publications---Transactions, System Magazine, and "Tutorials."
- 6) AESS 5- Year Review
It is my understanding that the 5-year AESS Review by the IEEE has been delayed. I am not sure at this time what is required from the publications area to support this review.

2. Administrative Editor Report

Dave Dobson's Administrative Editor Report is included as Attachment I to this report. Volume 39 (2003) of the AESS Transactions contains 1520 pages, or approximately 1.33% over our page budget. Contributions and papers continue to flow smoothly to both publications. Electronic editing for the Transactions is working well and can be extended to the Magazine.

3. "Transactions"

Dr Dale Blair, Editor-in-Chief of the "Transactions" has made a change to the management structure of the "Transactions." As described in his report included as Attachment II, he has appointed Dr Lance Kaplan and Dr Peter Willett as Associate Editors in Chief. He has also made a number of new Editor and Associate Editor appointments. His most recent are summarized in his report at Attachment II. Dr Blair has also developed a draft policy on handling complaints of plagiarism that should be reviewed and approved by this Board. Other items of interest, including the new web-based manuscript review process are also discussed in Dale's report.

4. "Systems" Magazine

Evelyn Hirt has now assumed the position of Editor in Chief of the Magazine, effective January 1, 2004. In an effort to continually improve "Systems," Evelyn intends to appoint several Sector (or Technical) Editors in specific technical areas of interest to AESS members. In addition, Evelyn is currently evaluating the electronic editing system used by "Transactions" for use in editing "Systems" Magazine.

In summary, the past several months have been very busy for members of the AESS publications team, and, at the same time, very productive. Our publications continue to expand and improve.

Attachments

Status of the IEEE Transactions on Aerospace and Electronic Systems

By

**Dale Blair, Editor-In-Chief
April 18, 2008**

Transactions Management

Lance Kaplan and Peter Willet have both been instrumental in the transition to web-based review systems and provided value input to the management of the transactions. Thus, I have moved to a management structure that includes an Editor-In-Chief and two associate Editor-In-Chiefs. Both Lance and Peter currently serve as associated Editor-In-Chief. This new structure should help us to provide a better product to our customers and improve the transition between Editor-In-Chiefs.

Peter Willet will attend the IEEE Panel of Editors Meeting in Boston during April.

Editors

- Added Dr. Peter Willett of University of Connecticut as Associate Editor-In-Chief. Peter will continue as Editor for Target Tracking and Multisensor Systems
- Appointed Dr. Claude Jauffret of Université du Sud Toulon-Var to Associate Editor for Target Tracking and Multisensor Systems.
- Appointed Dr. David Salmond, QinetiQ, for Associate Editor for Target Tracking and Multisensor Systems.
- Appointed Dr. Victor Chen, Naval Research Lab, for Associate Editor for Radar Systems.

M. Barry Carlton Award

- Presented 2001 M. Barry Carlton Award at the 2004 IEEE Aerospace Conference to Yaakov Bar-Shalom
- Presenting 2002 M. Barry Carlton Award at the 2004 IEEE Radar Conference Conference to Fulvio Gini, Pierfrancesco Lombardo, M. V. Greco, Alfonso Farina, and J. B. Billingsley
- Soliciting nominations for M. Barry Carlton Award for 2002 and 2003

Editorial Procedures

- Provided PDF files of transactions articles that are linked on IEEE Xplore. What about posting past issues? IEEE AESS has the pdfs files.
- Initiated web-based review process hosted by E-Journal Press rather than the IEEE endorsed Manuscript Central. We received good feedback on E-Journal Press and saved at least \$5000 per year.
 - Manuscript submission at <http://taes.msubmit.net>
 - Link added to IEEE AESS web site
 - Revised “Information for Authors” for new submission process.
 - Added a pop-up box that cautions authors about plagiarism.
 - Provided Editorial on web-based review system to Dave
 - Some delays have been experience in getting editors started to use the system. Most of the editors are now using the system.
 - 165 New manuscripts submitted electronically to date.
 - 68 manuscripts in 2003
 - 95 manuscripts already in 2004
 - 5 Revised manuscripts have been submitted.
 - Review times are significantly less. Typically, a couple of months after editor gets started using the system.
 - System includes automatic reporting on status of manuscripts.
- Policy on handling complaints of plagiarism.
 - A formal complaint of plagiarism with documentation is to be made in writing to the EIC of the transactions. The EIC reviews the plagiarism

claim to assess the legitimacy of the complaint and appropriateness and completeness of the documentation. For legitimate complaints with appropriate and complete documentation as determined by the EIC, the EIC appoints the Technical Editor for the area of the paper under question to a committee including the VP for Publications and Associate VP for Publications for IEEE AESS to serve as an oversight/evaluation committee for the plagiarism complaint. The committee will solicit input from independent, anonymous investigators as needed to make their assessment. The EIC then provides the documentation to those on the committee. At the same time without acknowledging the claimant, the EIC provides a copy of the documentation to the accused offender to notify them of the complaint. Any response from the accused offender that is provided within 30 days will be provided to the committee. The committee has 60 days to render a decision on the plagiarism. After the committee issues a decision, the EIC provides that decision with justification to the claimant and accused offender. Either can then appeal that decision to IEEE headquarters. Decisions of the EIC are appealed directly to the VP for Publications for IEEE AESS. If found guilty of plagiarism, the offender will receive sanctions on publishing in the IEEE Transactions on AES and the IEEE Systems Magazine.

Other

- Special Section in cooperation with the 2004 IEEE Radar Conference entitled “Innovative Radar Technologies – Expanding System Capabilities.” See attached solicitation for papers. Dr. Pierfrancesco Lombardo, Associate Editor for Radar Systems, will be overseeing/managing the review process.
- Special Section on “Knowledge-Based Signal Processing” has been proposed and under consideration.

AES Tutorial Status

- First issue appeared early this year. Contents included:
 - The Multi-Hypothesis Tracker (MHT) [Blackman]
 - Space Time Adaptive Processing (STAP) [Melvin]
 - Class-Specific (CLASP) features for machine-learning classification [Baggenstoss]
 - Finite Set Statistics (FISST) [Mahler]
- Second issue has presently:
 - Maximum Likelihood Probabilistic Data Association (MLPDA) [Bar-Shalom & Kirubarajan]
 - DC Power Systems Review [Batarseh]
 - Practical Nonlinear Filters [Daum]
- Review Process:
 - Presently 3-4 reviewers per paper

- Reviewers are informed that paper was solicited (if it was)
- Different metrics from Transactions & Magazine
- One paper on knowledge-based STAP has been rejected
- Critique of early-warning radar (EWR) tracking techniques [Kerr]
- Solicited articles:
 - Human factors [MacMillan] [promised for summer]
 - Testing for complex systems [Pattipati] [promised for summer]
 - GPS [Ron Schroer]
 - SAR/ISAR [Jack Walker contacted]
 - Interferometric SAR
 - High-resolution radar (HRR) [Bob O'Donnell contacted]
 - Systems engineering [George Friedman, Elliot Axelrand, Bill Rouse all contacted]
 - Over-the-horizon radar (OTHR) [Stuart Anderson] [working on it]
 - Search theory [Jean-Pierre LeCadre]
 - Particle Filters [Neil Gordon interested]
 - Modern air-traffic control (ATC) [Henk Blom]
 - Topics TBD [Eli Brookner, Bill Brown contacted]

April 1st, 2004

To: Ed Reedy, VP Pubns, IEEE AESS

From: Dave Dobson, Admin Editor



Copies to: Joel Walker, Dale Blair, Evelyn Hirt

Subject: Report for BoD meeting April 29th, Monterey

Transactions

Volume 39 (2003) completed the year at 1520 pages -- 1.33% over budget, well inside 5% limit before penalty. Year-end Index was larger than expected.

January is comple at 384 pages with no blanks. Contributions continue to flow in at about our budgetary 1500/pages/year rate - when things lag a notice to Dale brings forth a mini-Niagara of inputs.

I have given up on the story for the 2002 Pioneer Award. The 2003 story is being written, and is not yet complete. Whenever - - - - .

Hopefully the Indexing mess that we experienced last year will not be as bad in 2004, but there is a right way, a wrong way, and a military way. And then there's the IEEE Headquarters way.

Dale will report on how things are working out with eJournal, and his new appointments.

Systems

HOPEFULLY there will be a synopsis of the Monterey meeting provided in time for the July issue which includes a date/place for the Fall meeting together with a list of those elected to the Board for the term ending in 2007, for updating the directory. Please convey this to the Secretary.

The subject of AES sponsorship of conferences, and conference daya in the IEL -- especially radar -- has been covered in separate memos. Hope springs eternal!

Regular issues continue, *with almost no items from society officers or chairmen*. Evelyn is working this.

Extra copies continue to be distributed at conferences as directed by Walt Dennon. The main problem in this aspect is getting the conference committees to get the goodies distributed instead of just leaving them on a table to be picked up -- especially the Tutorials.

Have opened the door for Evelyn to utilize eJournal for Systems, on a separate site. They are very happy to oblige. It will not take a new agreement -- the one we have is fine with a modification for the second site.

As always, the input item queue needs continuous feeding and enrichment. Evelyn is addressing this.

Tutorials

IS ANYONE GOING TO USE OUR TUTORIAL? OR DO WE JUST HAND THEM OUT AT CONFERENCES? DOES ANYONE CARE? WHO? HOW? WHEN?

No action on future tutorials this period at my level.