

## **MEMORANDUM**

To: AESS Board of Directors  
From: Edward Reedy  
Vice President of Publications  
Subject: Vice President for Publications Report for Fall 2003 Meeting (Digital Avionics  
Systems Conference, Indianapolis)  
Date: October 14, 2003

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

1) Editor-in Chief for "Systems" Magazine

Ron Schroer, who has been the Editor-in Chief for "Systems" Magazine for the past five years and who has recently led an effort to significantly improve the style and appearance of the Magazine, has announced his intent to step down as Editor at the end of 2003. Evelyn Hirt has agreed to assume the position of EIC effective January 1, 2004. In the intervening period, she and Ron are coordinating and planning a smooth transition. Ron will continue as an Associate Editor having responsibility for specific conferences and writing special articles. Special accolades are extended to Ron Schroer for his outstanding efforts over the past five years as Editor-in-Chief of the AESS Magazine and for his efforts in significantly improving the Magazine, especially during the past couple of years. Thanks for the hard work, Ron.

2) Special Issue of "Systems"

A special issue of "Systems," entitled "A Century of Powered Flight," was published in July 2003 to commemorate the anniversary of the first powered flight and to highlight the developments in avionics technology that contributed so much to aviation over its first hundred years. Kudos are due to Ron Schroer, Joel Walker, Dave Dobson, and many others for the hard work that went into making this special issue so successful.

3) Electronic Editing and Manuscript Management

As Dale Blair discussed in his report, AESS has contracted with E-Journal Press for a web-based manuscript review process. This should greatly streamline the manuscript review process and reduce the administrative workload on our editors.

4) Survey Results

According to Dave Dobson (I still have not seen the results), AESS publications are perceived positively by our members with approximately

80% indicating that they use “Systems”, 70% use “Transactions,” and 90% indicating they regularly read “Systems.” These results underscore the strong support among our membership for AESS publications.

5) “Systems” Magazine Special Tutorial Issue

The first special tutorial issue of “Systems” will be bound with the January 2004 Issue of the Magazine. Several individuals have been instrumental in developing the vision for this new AESS publication and bring it into fruition; 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.

6) MIT/LL “Journal” Collaboration

Bob O’Donnell has suggested a possible collaboration between the AESS “Systems” Magazine and the Lincoln Laboratory “Journal” where technical articles first appearing in the “Journal” might be adapted and then published in the Magazine. Such an arrangement would provide “Systems” with a repository of outstanding and relevant technical articles and, in turn, provide a larger potential readership for the “Journal” articles. I have asked Bob to continue discussions with Roger Sudbury at Lincoln about the details of how this arrangement might work and to provide an overview summary of the discussions at this meeting. My first reaction is that this represents a real “win-win” situation for both publications.

2. Administrative Editor Report

Dave Dobson’s Administrative Editor Report is included as Attachment I to this report. Both Dave and Joel Walker have commented on the improvement in both the quality and quantity of AESS business reports and inputs in the Magazine. In particular, conference reports have significantly improved. The Radar Conference report by Bob McMillan is a good example of an excellent conference report.

3. “Transactions”

Dr Dale Blair, Editor-in-Chief of the “Transactions” continues to make new Editor and Associate Editor appointments. His most recent are summarized in his report at Attachment II. Other items of interest, including the new web-based manuscript review process are also discussed in Dale’s report. As the all-society survey indicated, AESS “Transactions” continues to be perceived by our members as a very valuable and excellent publication.

4. “Systems” Magazine

Under Ron Schroer and Joel Walker’s leadership, the Magazine continues its steady improvement culminating in a very excellent August 2003 issue. As previously indicated, news and information inputs to the magazine have

improved. However, more inputs from AESS Officers and Chapters are still needed.

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

August 21st, 2003

To: Ed Reedy, VP Pubns, IEEE AESS

From: Dave Dobson, Admin Editor



Copies to: Joel Walker, Dale Blair, Ron Schroer, Evelyn Hirt, Peter Willett, Scott Goldstein

Subject: Report inputs for BoD meeting October 15th at Indianapolis

### ***Transactions***

July is finishing as this is written -- we are behind schedule due to some now solved problems; we are still closing the gap caused by the dearth of inputs last winter. The October issue has started working -- we have enough -- to close the delay gap a bit.

It looks like there will be no 'how we got here' from the 2002 Pioneer awardee, I am still trying. Announcement of 2002 is in July, and with any luck the complete 2003 package will be in January 2004.

Total page count for the year will be 1500  $\pm$  a few.

The EJournal agreement has been completed and PO issued; this runs for two years; Dale will comment on this.

### ***Systems***

No change has been received for AESS Chapters page for one year. This is omitted frequently - without any comments. Are there AESS chapters? Is data current? Do NOT read ***Systems*** to find out.

Regular issues continue, *with very few items from society officers or chairman.*

July issue made the Dayton show; feedback is uniformly excellent. Extra copies will be distributed at AESS conferences as directed by Walt Dennon -- probably 18 months worth.

As always, the input item queue needs continuous feeding and enrichment.

### ***Systems Tutorial***

The four papers in the initial issue are cranking through and will be completely typeset shortly. Following author review (and hopefully very minor changes) this will be completed and piggybacked with the next available regular issue.

### ***Other***

Just learned that the 2002 ISI ranking of IEEE publications is at  
<http://www.ieee.org/products/citations.html>

# Status of the IEEE Transactions on Aerospace and Electronic Systems

By

**Dale Blair, Editor-In-Chief**

**October 15, 2003**

## Editors

- Elevated Dr. Peter Willett of University of Connecticut from Associate Editor for Target Tracking and Multisensor Systems to Editor replacing X. Rong Li.
- Appointed Dr. Barbara La Scala of University of Melbourne to Associate Editor for Target Tracking and Multisensor Systems to replace Dr. T. Kirubarajan of McMaster University.
- Selected Dr. Wolfgang Koch, FGAN-FKIE, for Associate Editor for Target Tracking and Multisensor Systems to replace Peter Willett.

## M. Barry Carlton Award

- Soliciting nominations for 2002 M. Barry Carlton Award

## Editorial Procedures

- Continued the pursuit of getting the good PDF files of transactions articles that we provide to IEEE Headquarters linked on IEEE Xplore. IEEE Headquarters is posting scanned versions of our articles. The articles are scanned at IEEE Headquarters at IEEE AESS expense to convert it to “IEEE” SGML-tagged format (PDF file plus other referencing information). I requested that IEEE post the PDF files that IEEE AESS provides with the information that IEEE creates after scanning the article.
  - Provided April 2003 issue to IEEE Headquarters in May in new format. A few problems were found with the files.
    - Fonts not properly embedded in back cover and table of contents
    - Files contain low-resolutions graphics rather than high-resolution graphics. Low-resolution graphics can be used on explore, but not final.
    - Six files were Acrobat 5 format rather than Acrobat 4 format
  - IEEE Headquarters provided feedback on problems and posted the scanned files for April 2003 issue.
  - New files for April 2003 issue were developed in June, but due to some confusion between Dave Dobson and I, the new files did not get to IEEE headquarters until August.
  - Feedback on files provided in August
    - Acrobat 5.0 format in some files.
    - Graphics resolutions less than 600 dpi

- Slight errors in Packing list, but IEEE Headquarters are working on a new format, so no problem.
- Everything looks ready to go
- 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.
  - System configured for IEEE Transactions on AES
  - Standard letters revised for transactions
  - Processing editors' manuscripts as test case to workout bugs
  - Accounts established for all editors and submission of manuscripts has started
  - Manuscript submission at <http://taes.msubmit.net>
  - Link added to IEEE AESS web site
  - Revised "Information for Authors" for new submission process.

### **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.

## Solicitation for Papers

### Innovative Radar Technologies – Expanding System Capabilities

“Innovative Radar Technologies – Expanding System Capabilities” is the theme of the upcoming **2004 IEEE Radar Conference** to be held in Philadelphia, PA, USA. The organizers of this conference are pleased to announce that the *IEEE Transactions on Aerospace and Electronic Systems* will feature a special section that consists of a collection of papers based on the best contributions to the conference technical program. This paper solicitation is an adjunct to the **2004 IEEE Radar Conference** call for papers that can be found at [www.radar04.org](http://www.radar04.org). Original papers are desired that describe new advances in radar system capabilities that have resulted from recent developments in physics and technology (e.g., materials, devices, scattering, etc.), as well as applied mathematics (e.g., signal and data processing, information theory, etc.). Papers describing advances in multi-function integration, system architectures, and innovative applications of radar and radar techniques are also encouraged. Authors of accepted conference papers that are identified as good candidates for the special section will be invited to submit a paper to the special section of the *IEEE Transactions on AES*. The full papers will be subjected to an expedited peer review process the same as regular submissions to the transactions. Authors are strongly encouraged to include a brief statement indicating how their conference paper fits well with the conference theme.

#### Schedule:

- 30 September 2003 2004 IEEE Radar Conference paper summaries due (1,000-1,500 words submitted in electronic form).
- 1 December 2003 Authors notified of acceptance for inclusion in the conference program.
- 30 January 2004 Final conference papers submitted in electronic form.
- 26-29 April 2004 2004 IEEE Radar Conference in Philadelphia, PA, USA.
- 15 May 2004 Request for revised papers for special section of *IEEE Transaction on AES*.
- 30 June 2004 Manuscripts for the special section of *IEEE Transaction on AES* due. All papers are subject to a subsequent rigorous peer review.
- April 2005 Anticipated publication date.

Drs. Joseph G. Teti, Jr., John K. Smith and Pierfrancesco Lombardo shall serve as Guest Co-Editors for this collection of papers. Please direct correspondence to Dr. Joseph Teti at [jgteti@radar04.org](mailto:jgteti@radar04.org). Further details on paper submission and periodically updated conference information are available at [www.radar04.org](http://www.radar04.org).

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