

# IEEE AESS Magazine 2012

Officers Meeting  
Washington, DC  
January 26, 2013

# Magazine Publication Leadership

- Updated contributing editors for Conferences, Distinguished lecturers and tutorials, Education
- 2 AEs resigned – Ralph Teague and Rao Mannepalli
- 2 AEs acquired – Carlos Fernandez-Prades and David Crouse

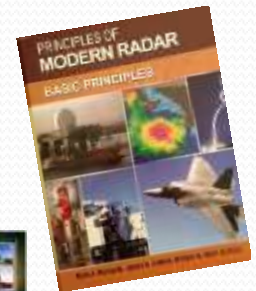
# Magazine Publication Leadership

- EIC – Teresa Pace
- Assoc EICs – Dale Blair, Maria Sabrina Greco
- Admin Editors – Bill Walsh, Asst Admin Ed - Susanne Walsh
- Ex-Officio Admin Editor – David Dobson
- Assoc Editors
  - Scott Bawden – Maritime, Energy
  - Erik Blasch- Recognition Tracking, Sensors & Assessments
  - Shirley Cheng – Guidance
  - Mauro De Sanctis- Satellite and Wireless Communication Systems
  - Maria Greco – Clutter Models, Radar signal Process, Radar Systems
  - Haiying Liu – Fusion, Image Processing, Tracking
  - ~~Rao Mannepalli – Satellites, Modeling and Simulation, Energy~~
    - Searching for replacement AE – request sent to Dr. Reinhart, National Aero/Space Admin, Cleveland, OH
  - Carles Fernandez Prades – Navigation and Position
  - ~~Ralph Teague – Sensors, Electro-Optics, Radar~~
    - Relatively recent, need new AE
  - Ruhai Wang- Communication Systems
- Contributing Editors
  - Awards – Erwin Gangl
  - Book Reviews – Darin Dunham
  - Conferences- ~~Mark Davis~~ Iram Weinstein
  - Education – ~~Steve Watkins~~ Guiseppe A Fabrizio
  - Student Research – Richard Coogle, John Glass
  - Website Coordination– Judy Scharmann
  - Distinguished Lecturers and Tutorials – ~~Iram Weinstein~~ Guiseppe A Fabrizio
  - Quarterly Email Blast – Cosimo Stallo



# Behind the Scenes

- Magazine implementing continual process improvement cycle
  - Complete digital submission and publication process now
  - All inputs (including news and info) going through e-journal to track process improved
  - Monthly telecons for the SMEB with Allen Press to review upcoming issues
  - Encouraging more student highlights
- Dave Dobson retirement – Ex Officio Admin Editor
- Accepting nominees for year 2011 Harry Mimno Award
- Two book reviews in 2013
  - Feb 2013: 3C Vision: Cues, Context, and Channels
    - Reviewed by E. Blasch
  - Mar 2013: Learning the Latest Radar Knowledge
    - Reviewed by John Milan
- Conference announcements
  - Should we charge for advertising conferences?



# Financial

	Vendor	\$ Per Year	\$ Per Issue	\$ Per Page
Web Hosting	PCS (EJournal Press)	7500	625	12
Copy Editing	Allen Press	30180	2515	52
Composition	Allen Press	23472	1956	73
Manufacture	Allen Press	29832	2486	83
Mailing	Allen Press	155000	12917	248
Total		253484	20499	427

- Mailing assumed same cost
- Present vendors “bottom line”: \$421500, \$35125, \$675
- I’ve received some invoices and they are in line with the bid
- I will continue to monitor the issue.
- Issue: advertising in Magazine? Would need Magazine “Business editor”

# Backup

# New Magazine Unveiled – Oct 2012





# Call for Papers IEEE Aerospace and Electronic Systems Magazine Special Issue on Wide-Area and Staring Synthetic Aperture Radar

## 24/7 All-Weather Air-to-Ground Surveillance

With the advent of wide-area motion imagery (WAMI) sensors, it has become possible to provide situational awareness for areas of interest (AOIs) that approach city size. However, these sensors typically operate at optical wavelengths, making them susceptible to interruptions of coverage due to weather events and loss of daylight, thus motivating calls for an all-weather RF adjunct. Similar to the WAMI sensors, a staring, wide-area synthetic aperture radar (SAR) seeks to provide uninterrupted surveillance of a city-sized AOI, allowing perpetual observation of all stationary and moving objects. Development of this capability requires overcoming two overarching technical challenges: (1) real-time synthetic aperture imaging of wide areas (up to 20-km in diameter) with update rates commensurate with WAMI sensors and (2) detection/tracking/recognition of moving and stationary vehicles and individuals with a single-moded, multiple-phase center radar. This special issue will address recent advances in hardware, software, and algorithmic solutions to the challenges posed by wide-area and staring synthetic aperture radar.

## Key Topic Areas

- ☐ Hardware solutions for wide-area RF illumination and reception
- ☐ Solutions for down link of wide-area and staring SAR data
- ☐ Computational solutions for wide-area and staring SAR imaging
- ☐ Navigational requirements and solutions for staring SAR
- ☐ Algorithms: tracking of moving targets in staring SAR
- ☐ Algorithms: automatic target recognition in staring SAR
- ☐ Algorithms: three-dimensional SAR imaging of targets

For information on paper submission, prospective authors should visit [http://sysaes.msubmit.net/cgi-bin/main.plex?form\\_type=do\\_cat&file\\_nm=info.htm](http://sysaes.msubmit.net/cgi-bin/main.plex?form_type=do_cat&file_nm=info.htm). Manuscripts should be submitted using the manuscript submission web site for IEEE Aerospace and Electronic Systems Magazine at <http://sysaes.msubmit.net>. Manuscripts will be peer reviewed according to the standard IEEE AES process.

## Important Dates

- ☐ Manuscript submission deadline: 15 April 2013
- ☐ First review completed: 31 May 2013
- ☐ Revised manuscript due: 1 July 2013
- ☐ Second review completed: 15 August 2013
- ☐ Final manuscript due: 15 September 2013

## Guest Editors

- ☐ Prof. Brian Rigling – Wright State University, USA – [brian.rigling@wright.edu](mailto:brian.rigling@wright.edu)
- ☐ Mr. Steven Scarborough – Air Force Research Lab, USA – [steven.scarborough@wpafb.af.mil](mailto:steven.scarborough@wpafb.af.mil)

# For Reference

- <http://ieee-aess.org>
- <http://sysaes.msubmit.net>

# Current Hard Copy Inventory

## SYSTEMS MAGAZINES

May-09	24-5	49
June-09	24-6	192
March-10	25-3	360
April-10	25-4	314
May-10	25-5	270
June-10	25-6	929
August-10	25-8	163
October-10	25-10	153
December-10	25-12	1072
January-11	26-1	570
March-11	26-3	834
April-11	26-4	132
July-11	26-7	40
October-11	26-10	0
December-11	26-12	568
January-12	27-1	403
February-12	27-2	746
March-12		

## TRANSACTIONS - paper copies

January-09	45-01	0
April-09	45-02	0
July-09	45-03	0
January-10	46-01	0
April-10	46-02	0
July-10	46-03	0

## TUTORIALS

Number I	Jan 04	19-01	740
Number II	Aug 05	20-8	2688
Number III	June 06	21-6	1790
Number IV	September 07	22-9	2598
Number V	July 10	25-7	0
Number V part 2	July 10	25-7	507

## SPECIAL SECTIONS OF SYSTEMS

Space Education	July 06	21-7	232
Radars pt 1&2	Aug 06	21-8	816
NASA	Oct 08	23-10	1609
Junior Engineering	2010		1342

## OTHER ITEMS

Promotional flyer	2008	packs of 50	47 pks
Conference brochures	2012		3344

# For Reference – Harry Mimno Award

## **Award Winner - 2010**

Tutorial Paper

**“Particle filter theory and practice with positioning applications”,**

F. Gustafsson

Dept EE, Linkoping Univ, Linkoping, Sweden

(22 citations from Google scholar)

July 2010

Vol 25 Issue 7

Pgs 53-82

## **Award Winner - 2009**

**“How engineers can conduct cost-benefit analysis for PHM systems”**

J Banks, K Reichard, E Crow, K. Nickell

Applied Research Lab, State College, PA

( 18 Citations Google scholar)

March 2009

Vol 24 Issue 3

Pgs 22-30

## **Award Winner - 2008**

Regular Paper

**“UWB radar for patient monitoring”**

I Immoreev, TH Tao

Moscow Aviation Inst., Moscow

(18 citations from Google scholar)

November 2008

Vol 23 Issue 11

Pgs 11-18

# Potential items of interest (or history)

- John Solin paper pulled from Dec 2012 issue
  - SYSAES-201200057R titled “ Airborne Laser Threat to Commercial Space Telescopes”
  - Lockheed Martin legal dept, Karrie Bem, indicated he had not received public release approval rights
  - Tony Vengraitis from IEEE contacted and consulted
    - Anthony VenGraitis, IPR Specialist  
IEEE Intellectual Property Rights Office  
445 Hoes Lane  
Piscataway, NJ 08854  
Phone: +1 732 562 5534  
Fax: +1 732 562 1746  
Email: [a.vengraitis@ieee.org](mailto:a.vengraitis@ieee.org)  
Web: <http://www.ieee.org/copyright>
- Ilir Progri removed as Assoc Editor (Position and Navigation)
- SYSAES-200600055R by Dr. Yunhua Wu (6 years old and accepted in 2006)
  - Similar article possibly published in 2007 in a different magazine but in Chinese
  - [http://en.cnki.com.cn/Article\\_en/CJFDTOTAL-JLGY200706048.htm](http://en.cnki.com.cn/Article_en/CJFDTOTAL-JLGY200706048.htm)
  - Will be published as is, as promised although more appropriate for transactions
  - Month of publication hasn't been identified yet
- SYSAES-201200089R (From Sagnac and Michelson to the measure...)]
  - Initial AE Ilir Progri
  - Summary - paper poorly written but review handled poorly (rude, inappropriate requirements, insufficient reviewers-- only 1-- himself)
  - Currently being handled by Maria Sabrina Greco
  - Authors agreed to revise and resubmit