

IEEE AESS Radar Systems Panel

Minutes of the Radar Systems Panel meeting held on 25 Oct 2012 at the 2012 IET RADAR 2012 Conference, Glasgow Scotland UK.

Present:

Mark E Davis (Chair)	Member	Consultant, Prospect NY
Hugh Griffiths (Past Chair)	Member	University College London UK
Chris Baker	Member	Ohio State Univ, Columbus OH
Shannon Blunt	Member	Univ Kansas, Lawrence KS
Braham Himed	Member	AFRL Dayton OH
Michael Inggs	Member	Cape Town Univ. SA
Marc Lesturgie	Member	ONERA, France
Pierfrancesco Lombardo	Member	Univ. Roma, Italy
Bill Melvin	Member	GTRI, Atlanta GA
Xavier Neyt	Member	Royal Military Academy, Belgium
Daniel Sego	Member	Boeing, Seattle WA
Simon Watts	Member	Thales UK

1. Introduction; RSP Chair

Panel Chair Mark Davis gave a discussion on the objectives of the Radar Systems Panel meeting and new initiatives for 2013. The main points are:

- Strengthen the RSP Membership roles – Active members should be participants in at least one Committee.
- Expand existing Committees with active members to better accomplish their roles and missions – need more depth in the initiatives of RSP to satisfy the Panel Charter objectives
- Establish new Committees to address evolving Radar technology or applications opportunities
- Maintain and Strengthen the Global reach of Radar System Panel and expand membership in AESS – IEEE objectives are to expand membership in emerging countries.

The Nominations and Appointments panel, chaired by Jim Day, recently completed the selection of new members of the Radar Systems Panel. Those new members are:

- Yuri Abramovich WR Systems Arlington VA
- Elaine Chapin Jet Propulsion Lab, Pasadena CA
- Michael Inggs Univ Cape Town South Africa
- Dan Sego Boeing Seattle WA
- Mark Yeary Univ Oklahoma OK

We welcome them to the Radar Systems Panel, and look forward to their active participation.

There have been several changes at IEEE HQ on Technical Cosponsorship of conferences. The conferences interested in IEEE and AESS sponsorship need to have a MOU, which includes substantive participation in technical content of the conference and inclusion of the papers in IEEE Xplore. If the conference is not going to provide the papers to IEEE Xplore, IEEE is considering a \$1000 fee plus \$10 per paper to offset use of IEEE name brand in the conference. This point is in debate within the AESS, and will change the relationship between AESS and several conferences that have historically been Technical Cosponsored, such as the International Radar Symposium and European Radar Conference.

The Panel Chair expressed our great appreciation to the IET UK for hosting Radar 2012 in Glasgow, as well as the RSP Meeting.

2. Committee Reports

Because this RSP meeting was held as part of the International Radar Conference series, there were few chairs of the Committees in attendance. The notes below were provided during the business meeting, and are not necessarily the contributions from the Committee Chairs

2.1 Standards Committee: no report or discussion

2.2 Awards Committee: no report provided. However there were several comments made concerning need for the Committee to be more expansive in terms of the awards being considered. The primary comments are:

- The Fred Nathanson and Warren D White awards are being chaired independently by Gerald Capraro and Joe Guerri, respectively. This process is well established
- There are other AESS Awards that should be of interest to RSP, such as the Pioneer and Picard Awards.
- The Awards Committee needs more members, and a coordinating chair.

2.3 Education

RSP does not have a current Education Committee Chair. In the May 2012 RSP meeting, the Chair suggested that members of academia on the RSP take ownership of this Committee. Pierfrancesco Lombardo, Ravi Adve, Chris Baker and Mike Picciolo volunteered to re-establish this committee. John Smith volunteered to act as an advisor.

2.4 Potential New RSP Committees: At the May RSP meeting Mark Davis had requested that two new Committees be considered for inclusion in the RSP Charter. Those two are Waveform Diversity, and Civilian/Commercial Radar Developments. There are several members who have volunteered to join these Committees. This will be a major part of the RSP meeting April 2013 in Ottawa.

2.5 Nomination and Appointments Committee: Jim Day (not in attendance) led the efforts on this new Committee. The Committee is comprised of former RSP Chairs: Jim Day, Mike Wicks, Dale Ausherman, and Hugh Griffiths. As a result of the review of long standing members, the number of members were reduced to 40 active members, 5 emeritus, and 5 new members

A very brief discussion on Fellow nominations and endorsement by the RSP to AESS occurred in the May meeting. Jim Day and Mike Wicks were to discuss the process and make recommendations to both the RSP Chair and Hugh Griffiths (AESS President). This is still an open action item, with March 2013 as the deadline for new nominations.

2.6 Conferences

(i) Conference Overview: Shannon Blunt summarized the current status of Conference planning. There is now a full slate of IEEE Radar Conferences through 2016: Ottawa (2013), Cincinnati (2014), Washington DC (International, 2015), Philadelphia (2016).

(ii) The International Radar Conference series is still quite strong. The next conferences in this series are: 2013 Adelaide Australia – Andrew Shaw Chair; 2014 Lille France – Marc Lesturgie Chair; 2015 Washington DC – Joe Guerci Chair

(iii) Radar 2012 Update: Simon Watts and Hugh Griffiths summarized the initial results from the IET Radar 2012 Conference. Key points are:

- There were over 355 registrants.
- The number of papers submitted was 314 of which 223 were accepted into the program.
- There were 22 exhibitors; and 11 tutorials, with a total of 129 seats.

(iv) RadarCon17 Proposal: Dan Segoe expressed Seattle's strong interest in hosting the 2017 IEEE Radar Conference. That is the 100th Anniversary of Boeing Company. There is also strong interest by MacDonald Dettwiller Associates and NASA Jet Propulsion Laboratory supporting the conference. Boeing has a new conference center next to their history of flight museum. They were encouraged

to prepare a formal proposal and present it at the 2013 Radar Conference RSP meeting.

(v.) South Africa Radar Conference: Michael Inggs talked about South Africa's interest in hosting an IEEE Radar Conference in 2015. That is a year after the 75th Anniversary of Radar in South Africa. They recently hosted a Geoscience and Remote Sensing conference and attracted over 1300 attendees. AESS has expressed an interest in cosponsoring this conference if the local IEEE Chapter can put a proposal together. They need to have the date in the last third of 2015 so that it does not interfere with the 2015 Radar Conference in Washington DC.

(vi.) There was significant discussion on the number of competing radar conferences and dilution of the quality of papers. Chris Baker suggested that there be only 1 International Radar Conference each year, and a competition be held for the sponsoring country and association. The final recommendation is that the Conference Committee look at the structure of the International Radar Conference sequence and presents a recommendation in Ottawa.

3. Action Items

- a. The RSP needs to have each member to participate in at least one Committee – Mark Davis to canvas the membership and distribute a list of volunteers for Committee membership.
- b. Education Committee needs to be re-established and publish a Policies and Procedures charter, to include future Student Paper procedures for RadarCon – Ravi Adve, Pierfrancesco Lombardo, Mike Picciolo, Chris Baker, John Smith
- c. Awards Committee needs to consider other IEEE Awards, and establish a charter.
- d. Make recommendations on future IEEE Fellow nominations and endorsements by the RSP – Jim Day and Mike Wicks

There being no further business, the meeting closed at 1315.

Mark E Davis
Chair, AESS Radar
Systems Panel