

MINUTES OF THE IEEE RADAR SYSTEMS PANEL MEETING

28 April 2004

Philadelphia, Pennsylvania

ATTENDEES:

Eli Brookner (call in), Joe Bruder, Jerry Crain, Mark Davis, Jim Day, Marshall Greenspan, Hugh Griffiths, Joe Guerri, Bob Hill, Braham Himed, Paul Hughes, Stephen Johnston (call in), Bob McMillan, John Milan, Bob O'Donnell (call in), John Smith, Bob Trebits, Mike Wicks, Dave Zasada,

David Farina, John Sudano, Joe Teti, Members of the 2004 IEEE Radar Conference Committee; Tom Fagan 2005 IEEE International Radar Conference Committee; Dennis Stadelman 2006 IEEE Radar Conference Committee.

OLD BUSINESS

The minutes of the May 2003 meeting of the Radar Systems Panel were approved. John Milan brought up the minutes for approval and was seconded by Joe Bruder.

NEW BUSINESS

2004 IEEE Radar Conference Report (John Smith, Joe Teti)

John Smith indicated that the conference was highly successful, and had between 385 and 403 attendees. He said that the conference had good publicity, good tutorials, and support from Lockheed Martin, the Philadelphia Chapter, and AES. He noted that the \$30K in advanced funding received was vital for success, and that it should provide about \$60K return to the sponsors. A total of 192 papers were submitted, and 82 papers were selected. This was the first radar conference, other than the international conference series, to have parallel sessions, and it was noted that parallel sessions should be considered for future conferences as they were successful, in part because the number and quality of papers supported the sessions.

There were between 350 to 360 tutorial attendees. The tutorial attendance varied from 8 to 45 attendees – one topic “Open Architectures” was not successful. The Army Research Office and NSF provided about \$11K to support 14 student attendees. This was supplemented by \$1,300 coming from the conference. Lists of potential participating schools is important. Timing of the conference is also important – recommending April instead of May to minimize conflicts with finals and the end of the school year.

It was noted that there will be pressure on the conference to complete the audit, and the IEEE will be the auditor for the conference. John Smith also noted that he will provide “lessons learned” from the conference. There were 22 exhibitors. The committee used a web-based interface for collection and review of papers.

One sore point was that the AES was slow in providing the funds to the conference, which could be a problem for future conferences. The concern is in part a negative cash-flow situation for the committee for a long period of time. The scheduling of an AES Board of Governors meeting on the West Coast conflicted with this conference.

Awards Committee (Mike Wicks)

Mike Wicks reported that there was no Warren White award this year. All members need to consider possible Warren White candidates to reinitiate the process – should submit by the end of summer. On the Fred Nathanson award, Bob Hill noted that there are plans to match the \$1,000 for the next two years, and in the succeeding years to spend down the principal.

2003 IEEE Radar Conference (Bob McMillan)

Bob McMillan reported that the conference has a surplus of \$52,699 which will be distributed to the sponsors. He also mentioned that the audit on the conference had just been completed.

2006 IEEE Radar Conference (Dennis Stadelman)

A proposal was submitted and approved for having the conference at the Turning Stone Casino in Oneida, NY. The theme of the conference is “Radar - Our Sight into a Spectrum of Information.” The original dates proposed were May 8-11, but they will consider moving it earlier to avoid possible conflicts with college exam dates. This proposal was accepted by the committee.

2007 IEEE Radar Conference (Eli Brookner)

Eli Brookner proposed (via teleconference) to have the 2007 conference in Boston. The proposed dates for the conference are April 17 – 20 (day after Patriots Day). The proposal to have the conference in Boston was approved, but it was noted that they should avoid conflict with the SPIE conference. Dr. David Greig will be the conference chairman, and Eli Brookner the Technical chairman. They expect about 350 registrants.

IEEE International Radar Conference 2004

This conference will be held in Toulouse, France in October of 2004. It was suggested and approved that an RSP meeting will be held at the conference. One of the topics at that meeting will be further discussion on the potential of the Italians hosting an International Radar conference in the future.

IEEE International Radar Conference 2005

Tom Fagan reported that the conference plans were on track and calls for papers were handed out at the meeting. The dates for the conference is May 9 – 12, 2005 and consists of three days of papers and one additional day for tutorials. So far, 13 tutorials

have been lined up for the conference. Depending upon the number of attendees at a potential paper selection meeting (September/October) the next RSP meeting may be held at the same time. The venue is back in Crystal City.

Radar Definitions Standard Project #686 (Paul Hughes)

Paul Hughes reported that the standard is 16 months into the four-year revision process which terminates in December of 2006. Paul solicited for additional radar terms and definitions to add to the standard. He estimates that the first draft should be ready for the working group (RSP) review by May 2005. He originally estimated that the first submission of the standard for formal balloting would be prior to the June 2006 RevCom meeting, but it was suggested that this date should be moved back to December 2005 to avoid having to request an extension of the end date.

Additional Business – IEEE AES Systems Magazine Editors

A number of individuals have expressed interest in supporting review of potential articles for this magazine. A list is included in the agenda presentation material. The panel decided it best to identify lead individual areas of expertise. Bob Trebits agreed to head up the Radar Systems review process, and Bob McMillan indicated he would be willing to lead the Sensor Systems area. These names will be forward to the Systems Magazine editors.

Additional Business IEEE Online Tutorials (Project XELL)

Jim Day presented several slides that summarized this project – and solicited input from the panel relative to this project. There was concern that the IEEE never consulted AES before launching into the project – and there was strong consensus that this project would not be beneficial to the RSP and the associated radar conferences. Jim Day agreed to formally provide a negative response to the IEEE headquarters on this subject.

Additional Business UWB Radar

Stephen Johnston requested that the RSP consider the following items:

1. Establish an UWB committee as part of the RSP. Jim Day requested that he prepare and submit a charter for the committee, and indicate what benefits it will bring to RSP.
2. That the RSP sponsor an International UWB conference. Jim Day replied that UWB is a topic in RADAR 2005, and Mark Davis suggested that Stephen should solicit UWB papers for the conference.

Additional items CD Archive of Radar Conference Papers

Suggestions (again) were made to archive the radar conference papers on CD's in a similar manner as that accomplished by the Antenna & Propagation Society. The

conclusion was made that this should be done, but that it would have to be done in stages. It was also suggested that the IEEE foundation should be solicited for a grant to help with this effort. It was also suggested that a stipend for assisting with this should be budgeted from RADAR 2005.