

AESS Technical Operations Report to the Board of Governors April 29th, 2004

1. Budget

There are no expenses to date for Technical Operations.

2. Technical Panel and Committee Reports

Technical Panels

Attachment 1 summarizes the present status of the technical panels.

Three (3) technical panels are very active.

The Gyro and Accelerometer Panel remains very active under the leadership of Randy Curey. Refer to Attachments 1.A for Randy's report. Four Standards are currently in process. The GAP will hold their Spring Meeting at PLANS '04.

The Radar Panel remains very active under the leadership of Jim Day. Refer to Attachment 1.B for Jim's report. The Radar Panel will hold their Spring Meeting at RadarCon '04 on April 28th in Philadelphia.

The Space Systems Panel remains very active under the leadership of Marina Ruggieri. Refer to Attachment 1.C for Marina's report. Marina is Co-Chair of the session on "Integration of Inertial Systems with Satellite Navigation Systems" at PLANS '04.

The panel for Formal Methods in System Design continues in a state of revitalization after a period of inactivity under the new leadership of James Alpigini. James is employing the Charter and By-Laws of the GAP to organize the panel.

Two (2) panels remain in the formative stage, Target Tracking & Sensor Fusion under the leadership of Dale Blair and System Engineering under the leadership of Paul Gartz.

The Integrated Avionics Panel is no longer active.

Technical Committee & Council Representatives

There are currently ten (10) technical committees and councils with AESS representatives as summarized in Attachment 2. Thanks to Bob O'Donnell for obtaining reports from these representatives for the Technical Operations Report.

3. Distinguished Lecturers Program

The activity of the Distinguished Lecturers program for the full years 1999 through 2004 is summarized in Attachment 3. The latter 6-month period for 1998 is also shown. The average number of lectures per year over the 1999 through 2003 time frame has been 8 with a peak in 2001 of 12 and a low of 6 in 1999. The locations of the various lectures are also included in the attachment.

For the current year 2004, no lectures have yet been given. However two multi-lecture tours are in the planning stage as shown in the attachment. Some lecturers have expressed reticence for long trips due to current travel inconveniences. Two new lecturers have recently been added to the roster. Hugh Griffiths is offering his lectures on “Bistatic & Multistatic Radar” and “Synthetic Aperture Radar” and Itzhack Bar-Itzhack on “Evolution of Inertial Navigation”.

Respectfully submitted,

Jim Huddle

Vice President - Technical Operations