

**MINUTES OF THE
SATELLITE DIVISION EXECUTIVE COMMITTEE MEETING
(September 27, 2002)**

Subject to the approval of the ION Satellite Division Executive Committee the following minutes are submitted. The Satellite Division Executive Committee Meeting was called to order on 27 September 2002 at Pazzo's Restaurant, Portland, Oregon at 6pm. Those present were:

VOTING COMMITTEE MEMBERS:

Penny Axelrad	Chair
John Lavrakas	Vice Chair
Boris Pervan	Secretary
John Clark	Treasurer
Ron Hatch	Immediate Past Chair
Lyn Dutton	European Rep.

NON-VOTING MEMBERS:

Pratap Misra	In-Coming Secretary
Guenter Hein	In-Coming European Technical Advisor
Hideyuki Torimoto	In-Coming Asian Technical Advisor
A.J. Van Dierendonck	GPS '02 Program Chair
Gary McGraw	GPS '02 Track Chair
John Studenny	GPS '02 Track Chair
Alan Schuster Bruce	GPS '02 Track Chair
Bernd Eissfeller	GPS '02 Track Chair
Bryan Townsend	GPS '02 Track Chair
Marie Lage	GPS '02 Track Chair
Karen Van Dyke	GPS'03 Program Chair
Phil Ward	Guest
Per Enge	Guest
Carl Andren	Technical Director
Lisa Beaty	Director of Operations

AGENDA

1. Lessons learned GPS 2002 & Recommendations for 2003
2. Approval of GPS 2003 Program Chair, Karen Van Dyke
3. Logistical Issues with Speaker Luncheon, Long Beach, 2004 & 2005
4. Location for GPS 2006 & 2007
5. Memo of Understanding with Univ. CO and NSF, Education Modules to be Incorporated into Digital Library
6. Sponsored Students Travel Support

7. Flight Recorder Sponsorship with NAA
8. Lavrakas' Goals for His Term as Satellite Division Chair

Lessons learned GPS 2002 & Recommendations for 2003

Penny Axelrad began the meeting by congratulating the program committee. The following issues relating to the program were discussed:

- Concern was expressed that the meeting as a whole had become very commercial and the program did not meet military needs. Lisa reported exhibitors had made the same observation and at least one company had decided not to return in '03 as their military customers were not represented in the attendees.
- The program committee concurred that they preferred expanded abstracts in selecting papers.
- It was decided that the General Chair of the meeting would decide whether or not to continue with the traditional Wednesday speaker luncheon program.
- It was suggested that next year's meeting needs a session on the status of the Galileo Program from the policy perspective. It was suggested that this session should be invited papers that are given on the same schedule as the rest of the conference papers.
- It was suggested that the '03 program committee consider facilitating a half-day open forum that can be used to debate Galileo policy/funding issues within the community. It was recommended that if high-ranking Europeans are invited to participate in this debate then those of similar rank in the US needed to participate.

Approval of GPS 2003 Program Chair

Motion: Karen Van Dyke is appointed and approved as the GPS 2003 Program Chair. Motion made by John Lavrakas, seconded by Lyn Dutton and passed by the committee.

There was also some discussion at this time with regards to changing the ION GPS meeting name as the Europeans were no longer going to be using GNSS in their annual meeting title.

Motion: In 2003 the Satellite Division's annual meeting shall be called ION GPS/GNSS 2003; and in 2004 the meeting's name shall be ION GNSS 2004. Motion made by John Lavrakas, seconded by John Clark and passed in a vote of four to one.

Logistical Issues with Speaker Luncheon, Long Beach, 2004 & 2005

Lisa Beaty explained that the traditional Wednesday speaker luncheon could not be accommodated in 2004 & 2005 due to facility restrictions in the convention center. It was decided that the General Chair in 2004 would work with Lisa to replace this function with an appropriate event that could be accommodated within the available space.

Location for GPS 2006 & 2007

Lisa informed the committee that it was time for her to get some space confirmed for future meetings. After summarizing the criteria for site selection, and a history of some of the cities Lisa had investigated in the past, it was decided that Lisa should provide three alternative sites for 2006-'07 from three different areas of the country at the next Satellite Division Executive Committee meeting.

Action: Lisa shall provide three alternative sites for Satellite Division's 2006-'07 meeting from three different geographical areas at the September 2003 Satellite Division Executive Committee meeting.

Memo of Understanding with University of Colorado and NSF

Penny Axelrad reported that the National Science Foundation and University of Colorado wanted to incorporate the completed navigation education modules into a digital library that would receive wide distribution. She reported this digital library would be a joint venture with national engineering educators but the ION would retain the right and responsibility to check the modules for correctness and update them as technology required. She reported that she hoped to have a written proposal on this action soon.

It was also reported at this time that Paula Trimble of the IGEB would be writing an article for the ION newsletter on a student outreach activity she is currently involved in and that John Raquet would coordinate a regular column on general educational outreach activities.

Sponsored Students Travel Support

Lisa Beaty reported the numerous problems she had had with this year's sponsored students. It was reported that five out of the twenty students had not been able to attend the event due visa's that had not been processed in time; mostly due to international student's failure to apply in a timely manner. In most cases non-refundable airline tickets had already been purchased. In other cases airline tickets were much more expensive than necessary as students failed to (or refused to) get their travel arrangements made in a timely manner.

There was some discussion about awarding a flat amount of sponsorship per student based on their country of origin period. There was also the suggestion that the ION not reimburse any of their costs until they arrived at the meeting. It was suggested that while some universities could front travel money, universities in countries like China and India did not have this ability.

The consensus was that Lisa be given broad latitude to manage the program and individual students as she needed to, including the requirement that they complete travel arrangements and/or submit proof of their visa application by a determined date or their paper would be withdrawn from the meeting and all travel support forfeited.

Flight Recorder Sponsorship with NAA

Phil Ward reported that he had been unsuccessful in his attempts to find a university or student that would develop a flight recorder for NAA. Phil asked the division to broaden the scope of acceptable applicants to include companies that would be willing to develop the flight recorder using a cooperative student to perform the work. Phil reported that if a company sponsored a co-op student to perform the work the cost would be approximately \$40,000. He suggested that in soliciting companies to complete this program that ION asks company how much funding would be required for a student to develop and deliver equipment/hardware to the ION and NAA. He also suggested that the student that develops this equipment write and present a paper at the ION GPS/GNSS meeting on the flight recorder results.

There was general consensus that collaboration of a company with a student would be an acceptable change to the program parameters. Penny requested that Phil present a new plan in writing to the executive committee if he wants an increase in the budget for the flight recorder above the currently approved \$20K.

Lavrakas' Goals for His Term as Satellite Division Chair

John Lavrakas, In-Coming Satellite Division Chair, reported that his goals for the next two years were to:

- strengthen ION involvement in the Galileo program, and continue to support GNSS work in Asia;
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- continue to support educational activities and increase visibility of ION student programs;
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In addition he reported that the ION President, Rudy Kalafus, explored the the possibility of supporting an Executive Fellow at the State Department in a recent meeting with Ralph Braibanti.

John recognized Penny Axelrad's tremendous contribution over the last six-year and the group acknowledged her with a round of applause.

The Satellite Division Executive Committee meeting was adjourned at 9pm.