

**MINUTES OF THE
SATELLITE DIVISION EXECUTIVE COMMITTEE MEETING
(September 21, 2012)**

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 21 September 2012 at The Southern Steak and Oyster, Nashville, TN at 6:30pm. Those present were:

VOTING COMMITTEE MEMBERS:

John Raquet	Chair
Jade Morton	Vice Chair & GNSS 2012 Program Chair
Tim Murphy	Secretary
Pratap Misra	Immediate Past Chair
Allison Kealy	Pacific Rim Rep.
Todd Walter	ION President

NON-VOTING PARTICIPANTS:

Dorota Brzezinska, GNSS 2012 General Chair
Pat Doherty, Tutorials Chair
Doug Taggart, GNSS 2013 General Chair
John Betz, Incoming Vice Chair
Anthea Coster, Incoming Secretary
Mark Petovello, Incoming Treasurer
Eric Vinade, Robotic Lawn Mower Competition Representative
Demoz Gebre, Autonomous Snowplow Competition Representative
Sherman Lo, ION Meetings Chair
Lisa Beaty, ION Executive Director

AGENDA

1. Approve Minutes from September 2011: J. Raquet
2. Review/Approved Proposed Changes to Satellite Division Award Policy: L. Beaty
3. Review/Approve Proposed Changes to Satellite Division Bylaws: L. Beaty
4. Outreach Activity Status, Robotic Lawn Mower Competition: E. Vinade
5. Outreach Activity Status, Autonomous Snowplow Competition: D. Gebre
6. Lessons Learned 2012 & Recommendations for 2013
7. Approval of GNSS 2013 Program Chair: J. Raquet
8. Conference Name for 2013, ION GNSS+: J. Raquet

Approve Minutes from September 2011

MOTION: Approve September 2011 Satellite Division minutes as circulated.
Motion made by John Raquet, seconded by Todd Walter and approved.

Review/Approved Proposed Changes to Satellite Division Award Policy

See Attached File: [Sat Div Awards Guidelines Proposed August 15 2012](#)

Beaty reported that the ION Council had updated the ION's annual award nominations process in January 2012 and changes proposed to the Satellite Division policy were to bring the nomination process for Satellite Division awards into alignment with the policies for national awards.

Changes to the proposed policy were summarized to include: 1) awards committee members would be required to recuse themselves from voting for any award nominee that they had nominated or for whom they had provided a letter of reference; and 2) nominations would no longer be rolled forward from year to year but will need to be resubmitted each year to be reconsidered.

MOTION: The Satellite Division approved the Satellite Division Awards Guidelines as submitted. Motion made by Jade Morton, seconded by Tim Murphy and passed. See Attached File: [Sat Div Awards Guidelines Approved 9-21-12](#)

Review/Approve Proposed Changes to Satellite Division Bylaws

See Attached File: [Sat Div Bylaws Proposed August 8 2012](#)

It was noted that the proposed changes to the Satellite Division bylaws were to bring the bylaws into conformance with current operating procedures and that all the proposed changes had already been approved by the Satellite Division Executive Committee during other meetings/votes.

MOTION: The Satellite Division Executive Committee approved the proposed bylaws changes as submitted with the change to Article VIII, Section 7 that references the name of the Satellite Division meeting as "ION GNSS" be changed to "annual meeting". Motion made by Jade Morton, seconded by Pratap Misra and passed. See Attached File: [Sat Div Bylaws Approved 9-21-12](#)

ACTION: Todd Walter, ION President, approved the Satellite Division Bylaws as submitted.

Outreach Activity Status, Robotic Lawn Mower Competition

Eric Vinade, 2012 Robotic Lawn Mower Competition Chair, reported that 11 teams and over 50 students competed in 2012 for over \$35,000 in prize money. It was reported that the competition was made possible by the large Dayton volunteer force (40+ individuals) that supported the event. And, while the competition had been successful for the past number of years, AFRL had decided not to proceed with a mower competition in 2013. Reasons for decision included budget cuts, demands of personnel time to run the competition, and a desire to revamp a future competition that would level the playing field in terms of the cost of providing system hardware and software to participate in the competition. It was reported that AFRL was considering future

competitions that better aligned with AFRL's mission as well as ways to account for the design cost and keep the competition fresh and new each year.

Raquet emphasized the number of students the competition had brought to the ION over the past number of years and implored the Satellite Division to support future competition proposals along the same line as the current program that provided student travel grants.

Outreach Activities: Autonomous Snowplow Competition

Dr. Gebre reported on behalf of the Autonomous Snowplow Competition that the competition had hosted seven teams in 2012; and that the competition organizers had changed the rules for 2013 to add a garage component/challenge.

Dr. Gebre requested that the Satellite Division continue their sponsorship for another two years at up to \$15,000 per year.

MOTION: The Satellite Division Executive Committee approves up to \$15,000 per year of funding for the 2013 and 2104 Autonomous Snowplow Competition. Motion made by John Raquet, seconded by Pratap Misra and passed.

Lessons Learned 2012 & Recommendations for 2013

Jade Morton, GNSS 2012 Program Chair, recommended that track chairs and plenary speakers for 2013 be solicited early.

Pat Doherty, Tutorials Chair, noted that the evening tutorials were generally more sparsely attended.

It was suggested that ION add a required field on the abstract submission form that asks what is new or innovative about the proposed presentation.

It was suggested that the abstract submission process require a brief author biography.

It was suggested that abstract submissions include references to other works/publications.

A vote of gratitude was extended to Dorota Brzezinska, General Chair, and Jade Morton, Program Chair for ION GNSS 2012.

Approve GNSS 2013 Program Chair

MOTION: Doug Taggart is appointed and approved as the ION GNSS 2012 Program Chair. Motion made by John Raquet, seconded by Jade Morton and passed by the committee.

Conference Name for 2013, ION GNSS+

John Raquet reported to the committee that approximately 25% of the papers presented at the ION GNSS meeting were GNSS systems in combination with other things. Because of this he asked the committee to consider whether or not the conference should change the name of the conference to reflect the alt nav nature of some of the session's/conference's offerings and "ION GNSS+" was proposed.

Beaty stated she did not believe a name change would cause any problems with branding as long as the name of the conference began with "ION GNSS".

Jade Morton noted that the meeting started as the "ION GPS" meeting and the change to "ION GNSS" was made to reflect the change in the field and "ION GNSS +" would also reflect the changes in the field.

MOTION: Beginning in 2013 the Satellite Division's annual meeting shall be referred to as ION GNSS+. Motion made by John Raquet, seconded by Jade Morton and passed.

Appointment of New Satellite Division European Technical Representative

MOTION: The Satellite Division Executive Committee approved Jose-Angel Avila-Rodriguez and Dr. Yuanxi Yang as the International Technical Advisors on the Satellite Division Executive Committee. Motion made by Jade Morton, seconded by John Raquet and passed.

Beaty suggested that since the Division had added the participation of non-voting technical representatives representing various GNSS systems (Dr. Hunter Ding representing Compass and Dr. Guenter Hein representing Galileo) that perhaps the Division should now consider inviting non-voting system representatives from QZSS and GLONASS.

MOTION: The Satellite Division Executive Committee authorize Jade Morton, Chair, to invite non-voting systems representatives from QZSS and GLONASS to participate with the Satellite Division Executive Committee. Motion made by Jade Morton, seconded by John Raquet and passed.

ACTION: John Betz agreed to send Dr. Morton recommendations for QZSS and GLONASS system reps.

The meeting was closed at 9:00 p.m.