

# AIAA Space Automation and Robotics TC

Fall Meeting – Sep. 10, 2012  
AIAA Space 2012, Pasadena, CA

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## Minutes

- 1) Dinner arranged by AIAA
- 2) Welcome and Introductions
  - a. Attendance list at the end of the minutes
- 3) SMG Update – Jeff Puschell
  - a. Puschell explained SMG’s initiative to bring more Young Professionals (YPs) into TCs as Associate Members (AMs)
  - b. Explained formulation of new “NanoSat” TC
- 4) Meeting logistics – reviewed minutes from Spring 2012 meeting
  - a. Greg Scott reviewed highlights from the SMG meeting the night before
  - b. **ACTION – K. STAMBAUGH – Compile minutes for this meeting**
- 5) Conferences
  - a. AIAA Space 2012 – Greg gave a brief preview of the upcoming week’s sessions
  - b. InfoTech@Aerospace – The organizers want SARTC to continue to participate, but Greg cannot support it any longer. After brief discussion it sounded like no one else really want to take over, so SARTC will probably not support InfoTech@Aerospace in the upcoming year.
    - i. **ACTION – ALL – Let Greg Scott know if you are interested in taking over InfoTech@Aerospace planning**
  - c. IEEE/IAA Aerospace Conference (i.e. “Big Sky”) – Big Sky, MT, Mar. 2-9, 2013
    - i. They are still looking for papers in some sessions: "Automated Rendezvous and Docking" and "Robotic Mobility and Sample Acquisition Systems"
    - ii. Abstract deadline has passed but can be accepted through the end of Sep.
    - iii. Paper submission hard deadline is Oct. 29.
    - iv. <http://www.aeroconf.org/> Contact John Ringelberg
  - d. 2013 GN&C Conference – Breckenridge, CO, Feb. 1-6, 2013
- 6) Future SARTC meetings
  - a. Two meetings per year is still good and most members in favor of keeping the Fall meeting co-located with Space 20XX
    - i. Government members expressed concern that it’s getting harder to attend conferences.
    - ii. People are starting to come to the meeting without staying for the conference.
  - b. Spring 2013 meeting will be in Houston
    - i. Primary date set for Mar. 26-27 (Tues/Wed) with Mon. Mar. 25 as a travel day
    - ii. Backup date is Apr. 3-4 (Wed/Thur) with Tues. Apr. 2 as a travel day
  - c. Fall 2013 meeting will be at Space 2013 in San Diego, CA Sep.10-12, 2013

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- d. Future Spring venue ideas: KSC in conjunction with Lunabotics competition, Ames, Clemson, MDA in Canada (but foreign travel undesirable)
- 7) Outreach Activities
  - i. Possibly speak to local college students in Houston during next meeting
- 8) Congressional Visits Day (CVD)
  - a. AIAA CVD team is looking for topics – this is a good time to leverage MSL in the media and try to convey the value of space robotics
  - b. Dave Akin mentioned having a contact involved with a robotics caucus on Capitol Hill (unrelated to official CVD)
  - c. **ACTION – D. AKIN – Follow up with your contact and recommend next steps.**
- 9) 2012 Aerospace America Year in Review input
  - a. Year in review will highlight GSFC RRM, DARPA Phoenix, JPL Curiosity, and mention JSC Robonaut (although that was the highlight of last year's writeup)
  - b. **ACTION – K. STAMBAUGH – finalize the write-up very soon, get help from Greg if needed**
  - c. **ACTION – ALL – send any other ideas that you want mentioned in the Year in Review to Kate by COB 9/21/12**
- 10) Membership – approximately 27 official members
  - a. Briefly discussed if there are particular organizations without representation in SARTC (KSC, CMU, DARPA Phoenix roster...)
  - b. **ACTION – G. SCOTT – check the DARPA Phoenix roster and consider inviting some members of these organizations to our next meeting**
  - c. **ACTION – ALL – Consider inviting a younger member from your organization to attend future SARTC meetings**
- 11) Elections – new roles effective May 1, 2013
  - a. Greg Scott – Chair
  - b. Dave Spangler – Vice Chair
  - c. Kate Stambaugh – continuing as secretary
  - d. Sean Dougherty – continuing as website/SharePoint guru
  - e. Brian Wilcox – continuing as Award Chair
- 12) Website/SharePoint (Greg on behalf of Sean)
  - a. Need to find a way to sync up our membership list with AIAA's
  - b. Need info from AIAA on how to make some things publicly accessible
- 13) Finances – We have about \$500 use-it-or-lose-it money to spend before 2013!
  - a. **ACTION – G. SCOTT – find out when the money actually expires and exactly how much we have**
  - b. **ACTION – S. FREDRICKSON – can we/should we give an award for best (student) paper at Space 2012; (Answer: Declined this year.)**

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- c. ACTION – K. STAMBAUGH – Look into using some of it as a special robotics award at the AIAA Region I 2012 Young Professional Student and Educator (YPSE) conference on Nov. 2, 2012 at APL. (Answer is yes – we are welcome to give a special award in any denomination.)
- d. ACTION – K. MILLER – Looking into using some of it for a special award at the Rocky Mountain conference held in the fall.

## 14) SAR Award Nominations

- a. Submit nominations – **DEADLINE IS OCTOBER 1.**
  - i. Orbital Express is still valid from last cycle
  - ii. Robonaut – ACTION: Steven Fredrickson – update form and resubmit
    - 1. ACTION: David Spangler – update nomination letter
    - 2. ACTION: Ian Walker – update nomination letter
    - 3. ACTION: Dave Akin – update nomination letter
  - iii. RRM – ACTION: Dave Akin – submit nomination form
    - 1. ACTION: Kevin Miller – write nomination letter
    - 2. ACTION: Greg Scott – write nomination letter
    - 3. ACTION: Bill Doggett – update nomination letter
- b. Steven also got a very handsome plaque from SMG for being a great chair!

## 15) Site visits

- a. Kris Zacny gave us a tour of the Honeybee Robotics facility in Pasadena, CA.
- b. Gabriel Udomkesmalee gave us an extensive tour of all of JPL's robotics facilities

## SUMMARY OF ACTIONS:

### **BY OCTOBER 1: SAR Award Nomination Packages due**

ACTION: S. FREDRICKSON – update nomination form and resubmit (Robonaut)

ACTION: D. SPANGLER – update nomination letter (Robonaut)

ACTION: I. WALKER – update nomination letter (Robonaut)

ACTION: D. AKIN – update nomination letter (Robonaut)

ACTION: D. AKIN – submit nomination form (RRM)

ACTION: K. MILLER – write nomination letter (RRM)

ACTION: G. SCOTT – write nomination letter (RRM)

ACTION: B. DOGGETT – update nomination letter (RRM)

ACTION – K. STAMBAUGH – Compile minutes for this meeting.

ACTION – ALL – Let Greg Scott know if you are interested in taking over InfoTech@Aerospace planning

ACTION – D. AKIN – Follow up with your contact and recommend next steps (space robotics caucus).

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**ACTION – ALL** – Send any other ideas that you want mentioned in the Year in Review to Kate by COB 9/21/12.

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**ACTION – ALL** – Consider inviting a younger member from your organization to attend future SARTC meetings.

**ACTION – G. SCOTT** – Find out when the money actually expires and exactly how much we have.

**ACTION – S. FREDRICKSON** – Can we/should we give an award for best (student) paper at Space 2012; (Answer: Declined this year.)

**ACTION – K. STAMBAUGH** – Look into using some of it as a special robotics award at the AIAA Region I 2012 Young Professional Student and Educator (YPSE) conference on Nov. 2, 2012 at APL. (Answer is yes – we are welcome to give a special award in any denomination.)

**ACTION – K. MILLER** – Looking into using some of it for a special award at the Rocky Mountain conference held in the fall.

**ACTION – K. STAMBAUGH** – Write something short as a “charter” for the webpage (carryover from Spring meeting actions).

## ATTENDEES:

<u>Name</u>	<u>ORG.</u>
Dave Akin	Univ. of Maryland
Bill Doggett	LARC/D312
John Dorsey	LARC
Terry Fong	ARC/TI
Steven Fredrickson	NASA JSC
Tom McCarthy	MDA
Kevin Miller	Ball Aerospace
Jeffery Puschell	Raytheon Company
Greg Scott	Naval Research Lab
David Spangler	Oceaneering Space System
Kate Stambaugh	JHU/APL
Eddie Tunstel	JHU/APL
Ian Walker	Clemson University
Brian Wilcox	JPL