



AIAA San Diego Section Council Meeting Minutes – January 16, 2008

The meeting called to order at 6:09P.M. and adjourned at 7:29P.M.

COUNCIL ATTENDANCE: 12

AIAA GUESTS: 2

NON-AIAA GUESTS: 0

ATTENDANCE: See Attached Roster

Discussion Topics:

- Dinner Meeting: Commitment from MSSS – Keith Glassman
 - Trying for 31st
 - At Wyle laboratories
- RH Fleet Scholarship info added to website
- Website inputs:
 - Career Enhancement/Honors&Awards – provide history of awards on the webpage
 - Teacher Resource Center – link if available
 - Tech Symposium – info/dates
 - Space 2008 Conference – link
- NEW Banquet

ADMINISTRATIVE

- Secretary Report – Kevin Willett
 - Minutes have not been submitted from last month
 - Both Dec and Jan minutes will be approved at the next meeting
- Treasurer Report – Penny Ulander – Not Present
- Chairman’s Report – Greg Marien – Not Present
 - Report attached
 - Items on report were discussed

MEMBER SERVICES

- Membership – Jim Peterson
 - Report attached
 - 536 mailing labels needed now
- Honors and Awards – Keith Glassman –
 - Report attached

Greg Marien Section Chair	Doug Armstrong Field Trips	Jim Peterson Membership Development	Warren Johnson Professional Society Liaison	George Faulkner SDSU Faculty Advisor
Kevin Willett Secretary	Kevin Burns Region VI Delegate	Chris Root History & Bylaws	Irene Chan Webmaster	Keiko Nomura UCSD Faculty Advisor
Penny Ulander Treasurer	William Chana RHF Scholarship Coord	Keith Glassman Honors & Awards & Career Enhancement	Kevin Scanlon Young Professionals	Alejandro Aguirre SDSU Student Chair
Penny Ulander Vice Chair Long Range Planning	Phil Smith Pre-College Outreach	Tom Ohno Program Arrangements	Jenny Rhymer Newsletters & Electronic Bulletin/Flyers	Irene Chan UCSD Student Chair
Joel Perez Vice Chair - Technical	Phil Smith Public Policy	Maziar Sefidan Student Activities	Steve Harrington Rocket Project	Sharon Freeburn Educator Associates



- Motion presented to have Catered Creations cater the 2008 awards banquet
- An email will be sent out to pass the motion
- Decided against name change (at least for now)
- A new award proposed for a high school junior
 - He would assist the council and in exchange have something to put on his resume, and some valuable experience
 - Kevin Burns suggested we create a write-up to define exactly what the new award with entail (criteria, how it's judged, etc).
- Phil suggested an award for a science teacher of the year
- Professional Society Liaison – Warren Johnson
 - Kevin Burns will be gone during national engineers week
 - Greg suggested if we don't fill up the tables, left over seats will be offered to the students for free – Motion started to approve this by Kevin Burns
 - An email will be sent out to pass the motion
- Young Professionals – Kevin Scanlon – Not Present

PROFESSIONAL PROGRAMS

- VC Long Range Planning – Penny Ulander – Not Present
- VC Technical – Joel Perez – Not Present
- Program Arrangements – Tom Ohno
 - Last speaker has backed out
 - Looking for a new speaker
 - Shooting for the 31st
- Field Trips – Doug Armstrong

COMMUNICATIONS

- Newsletter & E-Bulletins – Jenny Rhymer – Not Present
- Flyers – Jenny Rhymer – Not Present
- Webmaster – Irene Chan – Not Present – Christie filled in for Irene
- History & Bylaws – Chris Root – Not Present
- Region VI Delegate – Kevin Burns
 - Young profs is having another event at Dave and Buster's
 - RAC meeting in Reno
 - Kevin suggested they create a chart with all the committees on the website to organize the reservations and see what conflicts will be created by different scheduling
 - The conference will probably never be held at Reno again because they have run out of room (this will allow further expansion)
 - It will be held in Orlando until 2009
 - Then Nashville, then Fort Worth, then Washington DC, then back to Orlando (2015)
 - Kevin is trying to convince them to come to San Diego in 2016
 - Space Conference in September
 - Sometime in the summer will be the Satellite conference
 - Students are urged to attend and possibly submit a paper
 - Speakers needed for the Industry Panel at UCSD
 - SAMPE meeting, same night as UCSD event
 - See website for more information
- Public Policy – Phil Smith
 - AIAA provides “engineering truths” to politicians so they can make informed decisions

EDUCATION PROGRAMS

- Pre-College Outreach – Phil Smith
 - Need mentors for San Diego Science Fair
- Educator Associate – Sharon Freeburn



- Denver will have education alley next month
 - Going to an island formation (because of less carpeting)
- Education Alley in San Diego may not happen unless sponsors are found SOON
- Passport to the future is this summer
- Pre-college outreach committee
 - Any experience with formats that have worked in the past are needed
- The Science and Technology Teacher Resource Center is at 2825 Dewey Rd, room 205 (upstairs)
- Student Activities – Maziar Sefidan – Not Present
- Rocket Committee – Steve Harrington – Not Present
- RHF Scholarship – Bill Chana

AIAA STUDENT CHAPTERS

- UCSD Student Chapter Chair – Irene Chan – Not Present – Christie is filling in
 - Report attached
- UCSD Faculty Advisor – Keiko Nomura – Not present
- SDSU Student Chapter Chair – Alejandro Aguirre – Not Present
- SDSU Faculty Advisor – George Faulkner
 - Not much happening at SDSU
 - DBF group are working hard, they are in the progress of fabricating the plane with a test flight in Feb.

ACTION ITEMS

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NEW BUSINESS

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Present	Absent Excused	Absent	Position	Name/Company
	X		Section Chair	Greg Marien
X			Secretary	Kevin Willett
X			Treasurer	Penelope Ulander
-	-	-	Vice Chair – Long Range Planning	Penelope Ulander
	X		Vice Chair – Technical	Joel Perez
X			Program Arrangements	Tom Ohno
X			Field Trips	Doug Armstrong
	X		Flyers	Jenny Rhymer
-	-	-	Newsletters	Jenny Rhymer
	X		Webmaster	Irene Chan
	X		History & Bylaws	Chris Root
X			R. H. Fleet Scholarship Coord.	Bill Chana
X			RAC VI Delegate	Kevin Burns
X			Public Policy	Phil Smith
X			Membership	Jim Peterson
X			Honors & Awards, and Career Enhancement	Keith Glassman
	X		Student Activities	Maziar Sefidan
X			Professional Society Liaison	Warren Johnson
-	-	-	Pre-College Outreach	Phil Smith
	X		Young Professionals	Kevin Scanlon
X			Educator Associate	Sharon Freeburn
			Member at Large	Vacant
X			SDSU Faculty Advisor	George Faulkner
	X		SDSU Student Chair	Alejandro Aguirre
		X	UCSD Faculty Advisor	Keiko Nomura
-	-	-	UCSD Student Chair	Irene Chan
		X	Rocket Project	Steve Harrington

January 15, 2008

To AIAA Council:

Subject: January 2008 Section Chair Report

Due to being on travel I am submitting my report in writing.

Facility Fund: I have received the \$3300 Facility Fund check and will provide it to Penny as soon as I return.

R.H. Fleet Scholarship: Thank you letters have been sent out to donors. I have three checks from recent donors, which I will provide to Penny. We have had an increase in number of donors this year, so the advertising is working. Thank you to Bill for his continuing effort in a very successful scholarship program.

FIRST Robotics "first" day (the day the students find out what the task is for the competition) was January 5, 2008. I was in attendance and was impressed with the enthusiasm of the students and the scale of the nationwide event. If only I had more time I would participate as a mentor. So, if there is anyone you know that is interested in robotics this is the place to get involved.

Project Lead the Way: I will be meeting with a Northrop Grumman Vice President regarding the status of my involvement with Project Lead the Way. I have been involved for about 5 months and have many lessons learned, which I will present on a later date. After the bugs are worked out the class should be running at 100% by next fall... hopefully.

Membership Upgrades: I have a colleague that I think is deserving of Associate Fellow, Steve Harris; his son was the one at Bill Rector's lecture on Apollo, the young boy asking all the questions. He has one person he can have vouch for him, so I will be recruiting two others. April 15th is the deadline, so we better get moving on it. If you have a colleague that you know that deserves to be upgraded submit his name and push it through the process.

Engineering Week Banquet: Warren Johnson is the POC. Get your money to him. Next and last planning meeting is January 21. I will be handling the MC for the evening. Kevin is going to be out of town.

I continue to keep the mailing lists in San Diego up to date as part of the communications improvements. As my time as Chair comes to a close I propose a new position as Communications Chair, which I would take up the task. It is something I can do from afar, which I probably will be doing in the coming years. We can discuss it as a bylaws change or just a special appointment; some food for thought, more on this later.

Nominations for Council: I need to email/mail with newsletter the petition for nominations. The newsletter has been held (my choice) because waiting on the next dinner meeting info, with the recent speaker falling through. So, I will be sending the email out anyway.

I task every member of the council to find one colleague that would be a suitable

replacement for outgoing elected members and ask if they would like to serve. Kevin Burns will be leaving us and I will moving on (both of us will still be very active). As a reminder of the dates I have listed the milestone dates below for elections. As you can see we are already behind (not as bad as last year though).

31 December:

- A call for petition nominations shall be published in the Section newsletter or other mailing to section members;

15 January:

- Nominating Committee shall be appointed by the Section Chair and approved by the Council;

1 February:

- Deadline for receipt of petition nominations;
- The election may be by acclamation if there is only one nominee for each office.

15 February:

- Council shall approve slate of nominees;
- Tellers Committee shall be appointed by the Section Chair and approved by the Council;

28 February:

- Secretary ensures that Ballots are mailed;

28 March

- Ballots closed;

15 April- Council meeting:

- Tellers Committee Chair shall announce election returns to the Council;
- Secretary shall ensure that procedures were followed according to these Bylaws;
- Council approves the election results;
- Secretary shall advise the candidates of such returns;

1 May: Section Chair-elect shall:

- Appoint all Standing Committee Chairs;
- Notify Standing Committee Chairs of inauguration at the Awards Banquet;

1 June:

- New officers and Standing Committee Chairs take office.

Our next Council meeting is scheduled for February 13 and is planned to be at the Teachers Resource Center at Liberty Station. See Phil Smith or Sharon Freeburn for details. Please inform Venice Pizza about the change. We still need food so you can discuss at the meeting what we would like to do for dinner, I hear they already have the bar!

Have a great meeting.

Greg Marien,
AIAA San Diego Section Chair



Date: January 16, 2008
To: AIAA Council
From: James D. Peterson
Subject: Membership Committee Report for January 2008
Enclosure: 2008 AIAA Membership Status – January.

The attached Membership Status spreadsheet (Attachment A) prepared from the San Diego Professional Summary report shows current Professional Membership of 399, a decrease of 7 from last month. There were 3 New Members, 3 Transfers-In, 6 Transfers-Out and 10 Drops.

There were 6 in the “Two Months Past Due” category. These are the members whose dues expired on 31 October and have not yet renewed. They will be dropped next month if their dues are not received by the end of this month. I will send email reminders to the Past Dues and Drops, and welcoming emails to the new members.

The total Student membership is 83, down 3 from last month. We have 30 Educator Associate Members in good standing, up 2 from last month.

Mailing List. The number of mailing labels on the Data Maker list is 536, down 8 from last month. (Ninety-three percent of these have email.) This breaks down as follows:

- | | |
|-------------------------|-----|
| 1. Professional Members | 399 |
| 2. Educator Associates | 30 |
| 3. Student Members | 83 |
| 4. AIAA Officers | 24 |

Submitted by,

James D. Peterson
Membership Chairman
Phone: (858) 279-1940
Email: jdpete@pacbell.net

Greg Marien Section Chair	Doug Armstrong Field Trips	Jim Peterson Membership Development	Warren Johnson Professional Society Liaison	George Faulkner SDSU Faculty Advisor
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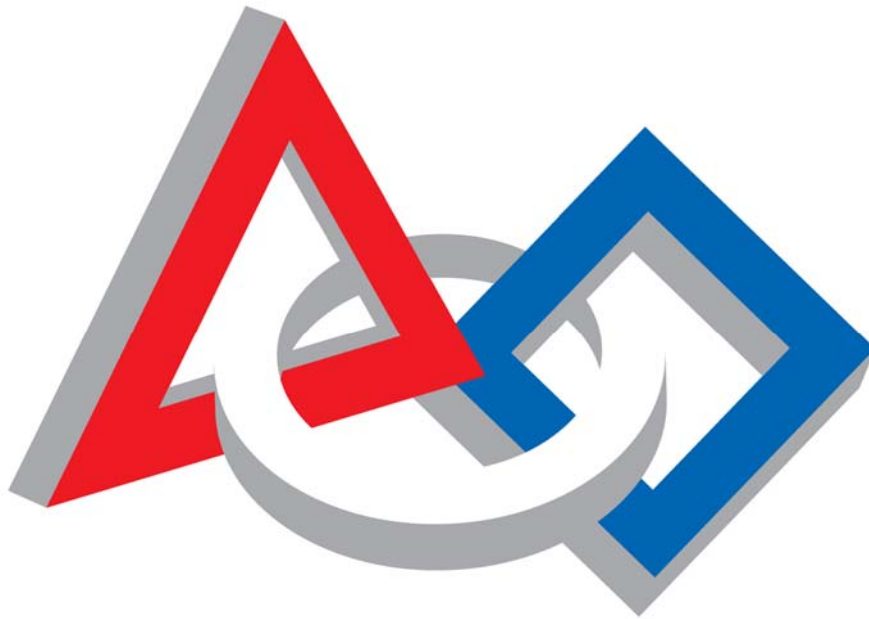
	Report Date:	Ref.	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-07	Jun 07 to Jan-08
Membership by Grade																
MC	Associate Fellow	25	25	24	25	28	28	27	26							1
MC1	Associate Fellow (Retired)	31	32	33	33	35	35	35	34							3
MA	Associate Member	5	3	3	2	2	2	1	1							-4
MA1	Associate Member (Retired)	0	0	0	0	0	0	0	0							0
MD	Fellow	5	5	5	5	5	5	5	5							0
MD1	Fellow (Retired)	14	14	14	14	14	14	14	14							0
ME	Honorary Fellow	3	3	3	3	3	3	3	3							0
MB	Member	126	132	135	140	141	135	136	135							9
MB1	Member (Retired)	4	4	3	3	3	3	3	4							0
MB#	Lifetime Member	0	0	0	0	0	0	1	1							1
MS	Member (Student Upgrade)	19	17	18	17	18	16	14	11							-8
MH	Senior Member	119	118	116	112	111	111	111	108							-11
MH1	Senior Member (Retired)	56	55	57	58	54	54	54	55							-1
MH#	Lifetime Senior Member	2	2	2	2	2	2	2	2							0
	Total Number of Members:	409	410	413	414	416	408	406	399	0	0	0	0	0	0	-10
	Monthly Change:	Ref	1	3	1	2	-8	-2	-7							
	Cumulative Change:	Ref	1	4	5	7	-1	-3	-10							
Membership Changes																
	New Members	3	2	6	3	7	1	1	3							23
	Transfers-In	6	4	9	6	5	6	2	3							35
	Transfers-Out	1	3	7	3	1	7	1	6							28
	Dropped	8	5	6	9	7	7	7	10							51
	Monthly Change:	0	-2	2	-3	4	-7	-5	-10	0	0	0	0	0	0	
Dues Past Due																
	Two months past due	7	3	9	9	8	9	19	6							63
Retired Members																
	Number	105	105	107	108	106	106	106	107							2
	Percentage	25.7%	25.6%	25.9%	26.1%	25.5%	26.0%	26.1%	26.8%							
Other Members																
SS	Student Members	97	98	95	99	104	101	86	83							-14
NEA	Education Associates	37	38	38	14	17	25	28	30							-7

THE 5TH ANNUAL SAN DIEGO FIRST ROBOTICS KICKOFF

Come see the 2008 Game!

Date: January 5, 2007
Time: 9:00-12:00 AM
Doors Open at 8:00 AM

Location: High Tech High International
2855 Farragut Road
San Diego, CA 92106-6025



FIRST®

Free Admission!

Contact Information:
David Berggren
Kickoff Coordinator
dberggren@hightechhigh.org
(619) 243-5043

SDASM Meeting

- Tuesday, January 15, 2008, 7:00pm at the museum
- Tour of the museum
- Discussed the possibilities of improving and helping with an outreach project – an Aero Theme Design Competition
 - Providing middle and high school engagement in STEM topics
 - Plan to have competitors use the wind tunnel and museum for inspiration
- UCSD students may help out with the museum's annual Paper Airplane Competition (on Yuri's Day, April 12th) and Space Day (some time in May)
- Asked for suggestions on making/helping out with interactive displays at the museum
- Possibly setting up a field trip to the museum's Low Speed Wind Tunnel facility

Upcoming Events

- **Industry Panel:** Thursday, January 24, 2008, 7:00pm, UCSD Campus – Computer Science and Engineering Building, Room 1202
 - Rescheduled from Fall Quarter due to fires
 - Topic: Outlook on aeronautical and astronautical developments in the coming years and its implications on career options in these fields
 - Greg Marien to be moderator
 - Panelists confirmed:
 - Michael Miller, Saab Space
 - Paul McGinty, NAVAIR
 - Karen Conti, Lockheed Martin
 - Jim Kaplan, Lockheed Martin
 - Kanwal Mahal, Lockheed Martin
 - Rosemary Shearer, Northrop Grumman
 - Dr. Michael Wiskerchen, CA Space Grant Consortium
- **Networking Workshop:** Week of February 18 – in the process of planning
- Design, Stress, Project, Quality and Manufacturing Engineering Professionals: Connect with your future here:

Goodrich Aerostructures Engineering Networking Event

Thursday, January 31, 2008 – 5 p.m. to 8 p.m.

Gordon Biersch in Mission Valley – 5010 Mission Center Road, San Diego, CA 92108; (619) 688-1120

Located in Chula Vista, Goodrich Aerostructures is currently working on the Nacelle systems for Boeing's 787 Dreamliner, the nacelle systems for the Airbus A350 XWB, and other exciting new programs focusing on regional aircraft. Goodrich Aerostructures, a leader in the Aerospace field, invites Design, Stress, Quality, Manufacturing, and Project Engineering professionals to an evening of introductions and career exploration. At this event, you'll meet our Engineering team and learn about opportunities for individuals skilled in Structural Design, Structural/Stress Analysis, and Project Engineering. Join us to see how limitless your career potential can be. Complimentary food and beverages will be served. Please **RSVP by January 28th** to: Leslie Nichols: 817-274-5274

E-mail: Leslie.Nichols@goodrich.com

Learn more at: www.goodrichengineeringcareers.com



PROJECT APPROVAL/STATUS FORM

Project name: Aero Theme Design Competition

Project manager name: Brent Bernasconi

Co-project manager name: Francis French

Lead person in house on the day & cell phone #: Brent Bernasconi

Brief description of project: This is a competition aimed at middle and high school students.

Students/teams will build a *flying car/vehicle* with a specific size, weight, dimensions, and non-powered thrust source.

The students/teams will be able to take their *flying car/vehicle* to the San Diego Air & Space Technology Center (Wind Tunnel) and may have the *flying car/vehicle* tested in the wind tunnel. Professionals at the Technology Center will then be able to give advice based on the test results. This will allow the students/teams to return home and tweak the *flying car/vehicle* based on the advice received at the Technology Center.

Ideas for different competitions:

- The vehicles will be raced on a ramp
- The vehicles will race down a ramp and then launch off a jump and winners will be based on distance flown
- The vehicles will race down a ramp and then see which one can go the farthest on a track with wind resistance. (A fan placed at the end of the track)

Races could take place at the Joan Krok Center's Skate Park or in the Museum's Pavilion.

Students/teams will also design their vehicles with a theme. These themes will be based on actual airplanes and space vehicles. Student/team vehicles will be judged based on their theme chosen. This is for aesthetics.

Who is the primary target market: Middle School (6-8) and High School Students (9-12) broken into three categories: Grades 6-8, 9-10, 11-12

- New audiences being reached: High School Students (9-12)
- Expected return for museum (including possible attendance number and revenue amount, if known): Return for museum will be increased importance in the STEM community. Wind Tunnel will be shown. Attendance will be based on number of entrants.
- Location in museum—footprint requirements: Wind Tunnel and Pavilion (possibly). Gallery will be used for inspiration/research.
- How does it augment the museum experience: This competition will add to the STEM mission of the museum. Students will be able to incorporate a theme using planes and space vehicles in the museum's collection.

- Major risks: Wind tunnel destroying a *flying car/vehicle*.
- Possible impediments: Wind Tunnel in use day of testing. Lack of participants.

Goal of project:

- Monetary: N/A
- Educational: Students will engineer their own aero themed designed *flying car/vehicle*. They will need to use math and engineering skills to build their *flying car/vehicle* within the specifications allowed.
- Inspirational: Students will be using engineering and math skills and having fun while they do this. Students will also be introduced to professions they might not have known of, e.g. engineer at a wind tunnel. They will also see the museum as a place of science, not old planes!

Is Event:

- Repetitive: Yearly
- Single occurrence: N/A

Scheduled project start date: Fall of 2008

Major milestones with dates:

- Summer 2008
 - Confirm location of competition
 - Print and advertise competition
- Fall 2008
 - Begin accepting entrants applications
 - Select a weekend for Wind Tunnel Use
- Early 2009
 - Wind Tunnel testing
 - Actual Competition

Estimated Budget: Unknown