

**Student Activities Report to Members Council
From the meeting of June 25, 2016, St. Louis, MO**

<u>Members Present</u>	<u>Guest</u>	<u>Staff</u>
Joe Chin, Chair	Ben Oliver	Katie Thomson
Russell Marcks, Vice Chair	James Piscopo	
Steve Sill, Reg I	Eric Sturm	
Robyn Ellis, Reg II	Chris Ahne	
Stephanie Mages, Reg III	Florentino Rodriguez	
Megan ,Tosh, Reg IV	Michel Hayek	
Janice Means, Reg V	Michael Brandemuehl	
Jason Atkisson, Reg VI	David Cassel, ABET EAC	
Bill Simpson, Reg VIII	Mansour Zenouzi	
Adam Davis, Reg X	Nikolaos Kourakos	
Michael Nafzgar, Reg XI	Gayle Davis	
Robin Bryant, Reg XII	Michael Woodford	
Sam Hui, Reg XIII	Doug Frentz	
Hassan Sultan, RAL	Doug Fick	
Bill Murphy, ABET BoD	Karine Leblanc	
Amir Karimi, ABET EAC	Joe O'Neil	
Erich Binder, BoD Ex-O	Frances Lacharite	
	Bradford Barnett, Student Consultant	

Motions

Motion 1: The Student Activities Committee moves that the Senior Undergraduate Project Grant annual budget for SY2017/2018 be \$135,000.

Background Information: Each year the Student Activity Grant subcommittee funds about 22 grants with a maximum dollar amount of \$5,000 each. The Senior Undergraduate Project Grant budget also funds the transportation to the winter meeting for the top two teams. In SY2008/2009, the budget for the Senior Undergraduate Grant was reduced to \$65,000. It has since been increased to \$123,000 for SY2016/2017.

Each year there are quality grant applications which do not get funded. These projects promote the art and science of heating, ventilating, air conditioning and refrigeration to serve humanity and promote a sustainable world. The Student Activity Grant subcommittee would like to fund additional projects that promote ASHRAE.

Vote: 15-0-0; 3 absent; CNV.

Fiscal Impact: \$20,000 annually.

Motion 2: The Student Activities Committee moves that the Student Activities MOP be revised such that the Senior Undergraduate Project Grant name be changed to Undergraduate Equipment Grant.

Background Information: The current name is Senior Undergraduate Project Grant. This name is confusing to the subcommittee, grant applicants, and students. The revised name is a closer match to the intent of the grant.

Vote: 15-0-0; 3 absent; CNV.

Fiscal Impact: \$0 although there will be nominal time for IT changes to the website and internal documents. Approximately 2 hours.

Action Item Summary

EXCOM Action Items:

Action Item	Person(s) Responsible	Due Date
Improve centralize training from feedback	Russ/Joe	June 2017
New Chair MBO's	Russ	Ongoing

Grants Action Items:

Action Item	Person(s) Responsible	Due Date
Improve Senior Undergraduate Project Grant Program visibility amongst all members	Grants Subcommittee	Ongoing for 2016-17 round

ABET Action Item:

Action Item	Person(s) Responsible	Due Date
Explore current and possible ABET Evaluators	Staff	Ongoing

K-12/STEM Action Items:

Action Item	Person(s) Responsible	Due Date
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Publish STEM kit information on Student Zone	K-12/STEM Subcommittee/staff	August 2017
Increase the number of K-12 school visits	K-12/STEM Subcommittee	Ongoing
Promote STEM champion role and STEM awards to Chapters	K-12/STEM Subcommittee	Ongoing
Produce reporting mechanism to monitor K-12 Activities at chapter and regional levels	Staff	Ongoing

Post High Action Items:

Action Item	Person(s) Responsible	Due Date
Provide RVC's with information regarding inactive student branches so that they can encourage chapter follow up for reinstatement	Post High Subcommittee/Staff	January 2017
Review current promotional items and marketing material	Post High Subcommittee/Staff	January 2017

Design Competition Action Items:

Action Item	Person(s) Responsible	Due Date
Review incorporating the Presidential Theme into the Applied Engineering Challenge	Design Competition Subcommittee/Staff	Ongoing for 2016-17 Competition
Design Competition Details to be released in July	Design Competition Subcommittee/Staff	July 2016
Review possible climates for the 2018 competition	Design Competition Subcommittee/Staff	January 2017

Centralized Training Action Items:

Action Item	Person(s) Responsible	Due Date
Review format and increase attendance for 2017	Centralized Training Subcommittee/Staff	June 2017

1) Subcommittee Reports

a) Executive Committee:

Student Members

- The total number of student members as of May 31, 2016 is 7,213.
 - May 31, 2015 is 6,324
 - May 31, 2014 is 5,868.
 - May 31, 2013 is 6,247
 - May 31, 2012 is 6,452
 - May31, 2011 is 6,415
- Review of all subcommittees were made.
- The Chair reviewed the status of this year's MBOs – see attachment A.

b) Grants Subcommittee

- Subcommittee reviewed application form and judging criteria
- Proposed name change to minimize confusion about what is funded and who should apply
- Discussed raising the profile of the grants by providing examples on the website

c) ABET Subcommittee Report

- Bill Murphy Reviewed the current status of the succession list for ABET Representatives. Dennis O'Neal, dean at Baylor, was contacted about serving as the board alternative starting in 2016 when Murphy Rolls off and Mike Brandemuehl will come on as voting director.
- Karimi reported that he will conclude his term on the EAC at the July meeting. He has been assigned as a PEV for a visit this fall to a Facilities Engineering degree program.
- Cassel reported that he has been given his visit assignments for this fall and will conclude his term on the ETAC in July, when he will switch over to the EAC.
- Zenouzi has been in communication with ABET and has received his assignment for this fall.
- The committee discussed ways that ABET and ASHRAE as a whole can interact more effectively. Murphy reported that there is a shortage of evaluators and that ASHRAE members could assist with this effort.

d) K-12/STEM Subcommittee Report

- A best practices guide was produced to be combined with Post-High best practices.
- Subcommittee has developed two STEM kits as part of an initiative to increase K-12 visits. Funding for supplies will come from the SA budget and there will be a max of one kit per chapter. Information about the kits will be added to the Student Zone.
- It was discussed that it would be useful to have a database of ASHRAE-wide K-12/STEM activities to easily identify which chapters are participating and how often. Katie will create a form site page and create a link on the K-12 website to be ready for Fall CRC's.

e) Post High Subcommittee Report

- Student branch status reports were reviewed and RVC's will reach out to branches that have not submitted.
- Two nominations were reviewed for the SBA of the Year Award. The committee voted 5-3-1 for Ardiyansyah Yatim.
- Subcommittee will review and update marketing material and promotional items.
- A best practices guide for Student Branch officers is in progress.
- RVCs to identify 5 new student branches in their respective regions and bring feedback about resistances encountered.
- The subcommittee discussed the production of a student-focused video to promote the value of student membership.
- The Race to Zero Competition was discussed and there was unanimous support to become a 2017 sponsor with a commitment of \$3,500. This funding will come out of the 2016-17 Student Activities budget.
- Student Membership
 - The total number of student members as of May 31, 2015 is 7,213 (14% increase from May 2015)
 - Branches – 13 total new and pending branches in 2016-2017

Region	Student Branch	Location	Sponsor Chapter
II	Algonquin College	Ottawa, Canada	Ottawa Valley
RAL	Dayananda College of Engineering	Karnataka, India	Bangalore
RAL	REVA University	Karnataka, India	Bangalore
RAL	Sai Vidya Institute of Technology	Karnataka, India	Bangalore
XIII	Universiti Teknikal Malaysia Melaka (UTeM)	Melaka, Malaysia	Malaysia
RAL	Nazeer Hussain University	Karachi, Pakistan	Pakistan
RAL	Australian College of Kuwait	Kuwait City, Kuwait	Kuwait

XIII	Institute Technology and Science of Bandung (ITSB)	Bekasi, Indonesia	Indonesia
RAL	Federal University of Agriculture (FUNAAB)	Abeokuta, Nigeria	Nigeria
RAL	COMSATS Institute of Information Technology (CIIT) Sahiwal	Sahiwal, Pakistan	Northern Pakistan
RAL	University of Zagreb	Zagreb, Croatia	Danube
XII	Fortaleza	Fortaleza, Brasil	Brasil
RAL	University of Karachi	Karachi, Pakistan	Pakistan

Design Competition Subcommittee Report

- 67 Design Competition projects were submitted this year.
 - Applied Engineering Challenge - 18
 - Design Calculations – 20
 - System Selection – 13
 - ISBD – 16
- 47 Design Competition submissions were judged at Society Level with six considered as Rising Stars. The Winners of each category are:
 - Applied Engineering Challenge
 - First Place – Regina University
 - Second Place – Bandung Institute of Technology
 - Third Place – Gazi University
 - Rising Star – None
 - Design Calculations
 - First Place – University of British Columbia
 - Second Place - Texas A&M
 - Third Place – North Carolina Agricultural and Technical State
 - Rising Star – Eastern Washington University
 - System Selection
 - First Place – California State Polytechnic University, Pomona
 - Second Place – Pennsylvania State University
 - Third Place – Ferris State University
 - Rising Star – None
 - Integrated Systems and Building Designs
 - First Place – University of Central Florida
 - Second Place – Tianjin University
 - Third Place – Portland State University

- Rising Star – University of Wisconsin - Madison
- Committee reviewed the 2017 Design Competition Package, Drawings, Judging Checklist, and new website verbiage. Information for the Design Competition will be ready to be published on the website in July 1st and the AEC will be available on September 1st.

Attachment A

2015-2016 MBO's Student Activities Committee – Joseph Chin, Chair			
MBO #	Description	Who	Due
1	Review Design Competition	Student Design	
	a. Review incorporating the Presidential Theme into the Applied Engineering Challenge.		Ongoing for 2016-2017 Competition
	b. Streamline the judging procedures so that they are clearer from the chapter level up to the Society level for judging		Complete
	c. Review the Design Competition schedule and determine if the competition schedule is applicable to the majority of students that would compete.		Complete
2	Increase the number of K-12 school visits	K-12	
	a. Promote the STEM Champion chapter position in the student activity team through RVC(at CRC)		Continuing through 2016-2017
	b. Continue the promotion of classroom visitations through the RVC (at CRCs) and local chapter SA Chairs to general membership. Illustrate to membership how important and easy it is to conduct a K-12 classroom visit.		Continuing through 2016-2017
	c. Promote the STEM award to Chapter president through RVC (at CRC) and raise the level of awareness		Continuing through 2016-2017
	d. Make connections with at least one other organization with STEM related activities in each Region to create a partnership and combined efforts		Continuing through 2016-2017
3	Improve Senior Undergraduate Project Grant Program visibility amongst all members	Grants	1-Jane-16
	a. Highlight and promote the Grants program by inviting two grant recipients to present at the Winter		Complete

	Conference Student Program		
	b. Identify and test new, creative ways to increase student contact of Grant program		Continuing through 2016-2017
	c. Determine if the new Grants scoring rubrics are aiding to select proper Grant recipients		Complete
4	Increase number of new student branches with the goal of one new or reactivated branch per region	All	Ongoing
	a. Provide RVC's with information regarding student branches that have disbanded in the past 5 years so that they can encourage chapter follow up for reinstatement.		
	b. Review the current materials available to SA chairs to help with establishing new branches. Discuss with chairs that have recently established branches and have them provide feedback on any additional materials or information that may be required		
5	Increase Student retention to 7.5%	Post High	Ongoing
	a. Define the amount of student that transfer VS graduating member.		1 Feb 16
	b. Continue to host a student advisor Congress at the Winter Conference to collect information and improve our efforts to support students		Complete
	c. Continue to collaborate with YEA and MP. Communication and coordination through conference calls and face to face meetings at the winter and annual meeting with YEA and membership committee		Continuing through 2016-2017
	d. Strongly promote smart start program to the students present to the Student program at the winter meeting in order to retain involved student and measure the impact of this activity on retention		Complete
	e. Review current promotional material and develop new material that will be attractive to students.		Complete

	f. Along with MP and YEA, complete the "Developing Leader Path" to assist young and new members with their involvement in ASHRAE		Continuing through 2016-2017
6	Student Activities Committee General	Committee	Ongoing
	a. Each member (RVCs and Vice Chair) shall complete MBOs and then measure against their MBO at the winter meeting and by continuing reports		Complete
	b. Sub committee chairs to have agendas sent 2 days prior to their conference calls.		Complete
	c. Complete the SA Best Practices guide for Chapter Chairs.		Complete
7	Training	Excom	Summer annual meeting
	a. Review the effectiveness of the newly developed SA centralized training. Modify the presentation and training as required		Complete
	b. Increase the attendance at SA Centralized training by 50%. This will require support from the DRCs & RVCs to stress the importance of the training the SA Chair		Complete
	b. Redefine the CRC training to have a more hands on and applied format customize to each region.		Consultant assigned to review in 2016-2017