

**Student Activities Report to Members Council  
From the meeting of January 24, 2015, Chicago, IL**

Members Present

**Francis Lacharite, Chair**  
**Joe Chin, Vice Chair**  
**Ralph Draper, Region I**  
**Robyn Ellis, Region II**  
**Stephanie Mages, Region III**  
**Peggy Fritz, Region IV**  
**Russell Marcks Region V**  
**Jason Atkisson, Region VI**  
**Grant Page, Region VII**  
**Bill Simpson, Region VIII**  
**Kevin Ainsworth, Region IX**  
**Adam Davis, Region X**  
**Michael Nafzgar, Region XI**  
**Robin Bryant, Region XII**  
**Hassan Sultan, R-A-L**  
**Amir Karimi ABET EAC**  
**Charlie Culp, BOD ExO**  
**Doug Zentz, Consultant**

Guest

**Mark Miller**  
**Brian Jennissen**  
**Alison Kwok**  
**Chris Gray**  
**Mark Lawrence**  
**Karine Leblanc**  
**Michelle Diorello**  
**Nohad Boudani**  
**Isabelle Lavoie**  
**Kevin Marple**

Staff

**Justin Ledford**

Motions

That Student Activities Manual of Procedures be revised to include the creation of a subcommittee called "Chapter Chair Training and Development".

Background: Centralized Training was approved for Student Activities by Members Council during its Seattle Meeting. To create and implement this change, the Student Activities Committee changed its Manual of Procedures to create a new subcommittee to develop the logistics.

Fiscal Impact: None, this does not change the number of RVCs or meetings.

Vote: 16, 0, 0 CNV

Referred Motions

**Region II (Hamilton Chapter) – Motion 19.a (10/02/2014):**

That Society to create a student LinkedIn page to provide a platform for students to interact with ASHRAE.

Background: There are many challenges when connecting ASHRAE with students. These challenges include: students constantly changing contact info, a difficulty in students having to choose between attending a chapter meeting vs. a wide variety of on-campus clubs/events, and finding a way to connect students with the broader community of ASHRAE.

Fiscal Impact: ASHRAE HQ's time in implementation and coordination in keeping the content up to date.

Response to Members Council: **MOTION Failed 0-16-0, CNV**

Committee Response:

**The subcommittee agreed that a society level student activities LinkedIn site isn't a good idea at this time. Furthermore, the consensus from the subcommittee and advice to the student activities committee is if society decides it's appropriate to create an official LinkedIn site, then students should be included with general membership and not relegated to a separate students' only site. Discussion threads could then be created within the main ASHRAE site that are geared more toward students. Also, students should be able to network with professionals.**

Action Item Summary

EXCOM Action Items:

Action Item	Person(s) Responsible	Due Date
Start looking for successors in subcommittee chair positions and send the names to Francis	Committee Chairs	Complete
Create a new subcommittee called continuous training	Committee Chairs	June 2015

Complete centralized training	Committee Chairs + Doug+ guest	June 2015
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Grants Action Items:

Action Item	Person(s) Responsible	Due Date
Explore possibility for a Challenge Grant		January 2015
Start Discussion Board for monthly discussions	Sam/Russ/Staff	Aborted
Receive grant application prior to deadline	Grants Committee	June 2015

ABET Action Item

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

K-12/STEM Action Items:

Action Item	Person(s) Responsible	Due Date
Decided on materials for classroom demonstrations with videos and additional resources	Subcommittee	Ongoing June 2015
Chapter K-12/STEM Champion Role and Possibilities explored.	Subcommittee	Complete
Request PAOE Changes for STEM	Subcommittee	Complete

Champion.		
Develop focus group in order to explore new avenues to improve motivation and interest for STEM	Subcommittee	June 2015

Post High Action Items:

Action Item	Person(s) Responsible	Due Date
Assist K-12 Subcommittee with K-12 Champion role	Committee	Complete
Create subcategories in the PAEO for chapter, region, and society activity.	Committee	Complete
Develop a certification/award in collaboration with YEA in order to retain student	Committee/YEA	June2015

Design Competition Action Items:

Action Item	Person(s) Responsible	Due Date
OPR Design Comp	Grant	February 2015
Secure Judges for ISBD	Grant/Staff	April 2015
Design Competition Details to be released earlier this year than in the past.	Subcommittee/Staff	July 2015

1) Subcommittee Reports

a) Executive Committee:

Student Members

- The total number of student members as of December 31, 2014 is 6,072.
  - December 31, 2013 is 6,271
  - December 31, 2012 is 6,143
  - December 31, 2011 is 6,482

- December 31, 2010 is 6,315
- December 31, 2009 is 5,730

\*These numbers are of active students and students in grace

- Recommendation to Honors and Awards was made for the Student Activities Achievement Award
- Recommendation to Honors and Awards was made for the Youth Outreach Award
- Review of all subcommittees were made.
- Centralized training will be held at ASHRAE HQ on the Sunday of the Annual Meeting.
- An outline is currently being developed.

b) Grants Subcommittee

- 35 applications have been submitted
- Budget for this year is \$110,000. In that budget the top 2 schools travel expenses must be included.
- 5 Judges scored the applications, the top 24 schools out of 35 will receive a grant not exceeding \$5,000 for a total of \$109,000 out of \$146,373.44 requested from the 35 applicants.
- The committee agreed to invite the 2 top schools (University of Algarde and University of Windsor) to the next winter meeting to give presentations to the students attending.

c) ABET Subcommittee Report

- David Cassel replaced Lorraine Kapka as the Accreditation Rep/ABET ETAC and brings a wealth of experience to the committee.
- William Murphy summarized the ABET BOD Report outlining the ABET restructuring efforts.
- Karimi reported on the EAC Visits including a visit to Siberia, Russia. This year will be his fifth and last year serving as an Accreditation Rep.
- The committee is seeking interest from Filza Walters to talk over this position next year.
- Staff has contacted ASCE to insure more action on the MOU is not needed.

d) K-12/STEM Subcommittee Report

- The K-12 STEM Leadership Award was revised to have the requirements be the officers and the K-12 STEM Champion in lieu of SA chair.
- The ASHRAE Club was discussed, the pilot program morphed into a class instead of club for students likely to attend a 2 year technical college. Conclusion is the club is great for industry, but not entirely a primary ASHRAE focus. Would like to keep it going and ask for future activities.
- Best practices/guidelines for the SA Committee are being drawn up for K-12/STEM activities.
- RVC-SA competition was proposed to promote RVCs to perform an activity to their chapters.

E. Post High Subcommittee Report

- Student branch status and financial reports which are deemed mandatory for a branch to be considered “active” will be enforced this year. This will improve the information of active/inactive branches.
- The Student Program for the Winter Meeting is Attachment B.
- Over 440 students registered for this meeting, the most for any Winter Meeting. All Student Activities were completely full.

Student Membership

- Total Numbers – 6,072 (includes students in grace) as of December 31, 2014
- Branches – 17 New Branches 2015-2016

Region	Student Branch	Location	Sponsor Chapter
XII	Universidade de Brasilia Student Branch	Brasilia, Brazil	Brazil
I	University of Buffalo Student Branch	Buffalo, NY	Niagara Frontier
III	Catholic University of America Student Branch	Washington DC	National Capital
RAL	Datta Meghe College of Engineering Student Branch	Maharashta State, India	Mumbai
RAL	Nagarjuna College of Engineering and Technology Student Branch	Karnataka, India	Bangalore
X	University of San Diego Student Branch	San Diego, CA	San Diego
XIII	Silpakorn University Student Branch	Nakhon Pathom, Thailand	Thailand
IX	Wichita Area Technical College Student Branch	Wichita, Kansas	Wichita
VII	West Virginia University Student Branch	West Virginia	Morgantown, West Virginia
II	Cegep de Rimouski Student Branch	Rimouski, Quebec	Quebec
IX	Colorado School of Mines Student Branch	Golden, Co	Rocky Mountain

II	Universite Laval Student Branch	Quebec City, Quebec	Quebec
II	Centennial College Student Branch	Ontario, Canada	Toronto
II	Lakehead University ASHRAE Student Branch	Thunder Bay, Canada	Toronto
XII	Multitec Student Branch	Buenos Aires, Argentina	Argentina
RAL	University of Split Student Branch	Split, Croatia	Danube
XII	Florida Technical College Student Branch	Pembroke Pines, FL	Gold Coast

### Design Competition Subcommittee Report

- Each of the design competitions were reviewed and the focus of the competitions will be defined to provide the student direction of what the committee wants in the designed.
- A new matrix was developed for the sustainable competition.
- The applied engineering challenge will be finalized with the President Elect theme by February 1, 2015.
- 165 students have registered for the Design Competition (Up from 91 at this time last year)
- Approximately 60 schools are represented by the 165 students.
- Representatives from 12 out of a total of 13 winning teams attended the 2015 Winter Meeting Student Program to accept awards.

### **Other Business**

- A. ASHRAE Gold Status Member Award; to create a way for a young ASHRAE member to differentiate themselves from the crowd. Student Activities, YEA and Membership Promotion discussed this award and will further the development, guidelines and implementation to present at the Annual Meeting for 2015. See attachment for notes.
- B. The Chair reviewed the status of this year's MBO
- C. The Committee voted to revise the Student Activities MOP to include a new subcommittee called Chapter Chair Training and Development to create and implement Centralized Training.
- D. The 2015-2016 PAOE points were discussed by the committee and revisions attached.

**Attachment A**

<b>2014-2015 MBO's Student Activities Committee – Francis Lacharité , Chair</b>			
<b>MBO #</b>	<b>Description</b>	<b>Who</b>	<b>Due</b>
<b>1</b>	<b>Create a Sustainable Design Competition</b>	Stud Design	
	a. Sustainability in incorporating the Presidential theme into the Applied Engineering Challenge component of the competition each year to the extent it is possible.		1-May-15
	b. Review the scoring criteria and rubrics in order to make it consistent between judges and have a more technical approach of the judging.		1-Sept-15
	c. Sustainability in the choice of the design competition theme. OPR selection will be structured in order to make the process quicker.		1-May-15
<b>2</b>	<b>Increase the number of K-12 school visits</b>	K-12	Ongoing
	a. Promote the STEM Champion chapter position in the student activity team through RVC(at CRC)		
	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.		
	c. Promote the STEM award to Chapter president through RVC (at CRC) and raise the level of awareness		
	d. Developed the high school club project in order to have a more direct impact on STEM activity. Create an etiquette guide in order to interact with minors.		
<b>3</b>	<b>Improve Senior Undergraduate Project Grant Program visibility amongst all members</b>	Grants	1-Feb-15
	a. Highlight and promote society presentation by grant recipients at society conferences		
	b. Identify and test new, creative ways to increase student contact of Grant program		
	c. Modify the scoring of the grant in order to advantage		20 June -15



	undergraduate project that affect K12 and STEM activity		
<b>4</b>	<b>Increase number of new student branches with the goal of one new or reactivated branch per region</b>	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>5</b>	<b>Increase Student retention to 7.5%</b>	Post High	Ongoing
	a. Define the amount of student that transfer VS graduating member.		1 Feb 15
	b. Create a student advisor Congress to collect information and improved the quality of service to our members		Complete
	c. Improve communication and coordination trough conference call and annual meeting with YEA and membership committee		Ongoing
	d. Strongly promote smart start program to the student present to the Student program at the winter meeting in order to retain involved student and measure the impact of this activity on retention		Winter meeting
<b>6</b>	<b>Manage the effectiveness of the Student Activities Committee</b>	Committee	Ongoing
	a. Make each member (RVCs and Vice Chair) complete MBOs and then measure against their MBO at the winter meeting and by continuing reports		
	b. Have more preparation done prior to conference call. Agenda done at least one week in advance and send to the subcommittee in preparation for the call.		