

STUDENT ACTIVITIES COMMITTEE
Report to Members Council
From Meeting of June 22, 2024
Indianapolis, Indiana, USA

Members Present

Kellie Huff, Chair
Shaun Nienhueser, Vice-Chair
Ashley Keller, Reg I
Elizabeth Primeau, Reg II
Natalie McDonald, Reg IV
Bob Snow, Reg V
Kevin Summers, Reg VI
Mariel Meegan, Incoming Reg VII
Jackie Hay, Reg VIII
Corey Chinn, Reg IX
Justin Albo, Reg XI
Juliana Trigo, Reg XII
Fu-Jen Wang, Reg XIII
Alkis Triantafyllopoulos, Reg XIV
Yashkumar Shukla, RAL
Dennis O'Neal, ABET BOD
Eileen Jensen, BOD ExO

Members Virtual

Omar Rojas, Reg X
Arunabha Sau, Incoming Reg V
Michel Hayek, Incoming RAL

Members Absent

Andy Hobson, Reg III
Nancy McBee, Reg VII
Mansour Zenouzi, ABET EAC
Robert Bittle, ABET ETAC

Guests

Andreas Hoess
Buzz Wright
Alexander Armstrong
Julia Timberman
Jason Alphonso
Jon Kuderer
Erich Binder
Keiron Anan
CL Liu
Bria Poe
Robert Romeo
Jacob Saxinger

Staff

Katie Thomson

Referred Motions

1. **Fall 2023 CRC Motion, Region X Golden Gate Chapter – Amended Motion 25 (August 19, 2023; PAOE Subcommittee September 26, 2023):** That new PAOE points be given for establishing or maintaining a chapter scholarship fund.

Background: The goal of the PAOE points are to guide the chapters to be successful.

From the PAOE newsletter: “The PAOE system was created to provide guidance to Chapter leaders in planning your chapter activities. The goal of the 2023-2024 PAOE system is to offer a roadmap for successful Chapter operation...” Students play an important role in a chapter as they will become our future members. Many students need financial support throughout their higher education. Chapters should be encouraged to establish and maintain a scholarship fund in order to be able to support our future leaders.

Fiscal Impact: None. PAOE are modified annually.

Staff Impact: None. PAOE are modified annually.

CRC Vote: 10-4-0 CNV

PAOE Subcommittee Vote: 7-1-0 CNV

RP Vote to Refer Motion to Student Activities: 17-0-0 CNV

RP Comment: RP already awards points by dollar raised for all funds of the RP Campaign, including Scholarships. If this motion includes Scholarships outside of the ASHRAE RP, it is better suited for the Student Activities Committee.

SA Answer: Passed

SA Vote: 15-0-0 CNV

SA Comments: Student Activities Committee is supportive and recommends a minimum barrier on number of students or amount of financial support provided. The wording may also want to include awards as well as scholarships. SA would like to be involved in discussions on how points are awarded through representation on the PAOE subcommittee.

2. **Fall 2023 CRC Motion, Region X Golden Gate Chapter - Motion 26 (August 19, 2023):** New PAOE points for event held by a Chapter where the profits are used for scholarships.

Background: The goal of the PAOE points are to guide the chapters to be successful.

From the PAOE newsletter: “The PAOE system was created to provide guidance to Chapter leaders in planning your chapter activities. The goal of the 2023-2024 PAOE system is to offer a roadmap for successful Chapter operation...” Students play an important role in a chapter as they will become our future members. Many students need financial support throughout their higher education. Chapters should be encouraged to organize events where the proceeds go to funding a scholarship fund.

Fiscal Impact: None. PAOE are modified annually.

Staff Impact: None. PAOE are modified annually.

CRC Vote: 10-4-0 CNV

PAOE Subcommittee Vote: 5-3-0 CNV

RP Vote to Refer Motion to Student Activities: 17-0-0 CNV

RP Comment: RP already awards points for events that raise donations for all funds of the RP Campaign, including Scholarships. If this motion includes Scholarships outside of the ASHRAE RP, it is better suited for the Student Activities Committee.

SA Answer: Defeated

SA Vote: 4-9-1-CNV

SA Comments: Student Activities Committee is supportive of awarding PAOE points for chapter events focused on student engagement but does not feel it is advantageous to give PAOE points for funds raised from chapter events.

- 3. Spring 2024 CRC Motion, Region VIII Central Oklahoma Chapter – Motion 24-8-1 (April 26, 2024:** Move to allow Student Members access to the online versions of the ASHRAE Handbooks as part of the Student Membership benefits effective July 1, 2024.

Background: In order to join as a student member, the student must be studying or have an interest in an HVAC&R industry related field. A student member could be working on a senior cap-stone project, an undergraduate research project sponsored by ASHRAE, or one of the many equipment grants that is awarded by ASHRAE. However, these students do not have free access to the ASHRAE Handbooks as reference for the work they are performing, and many times this is ASHRAE related work. Access to these online files provides the necessary resources for HVAC&R related work that students are performing. This benefit encourages students to join ASHRAE and encourages the student to remain a member of ASHRAE after graduating.

Note that Student Branch Advisors receive the same benefit as student members and ASHRAE's system cannot separate benefits between the two.

Fiscal Impact:

(\$12,500.00) current student purchases of printed handbook, (\$65 per copy)

(\$1,000.00) current student purchases of PDF handbook, (\$65 per copy)

(\$1,500.00) current student purchases of online subscription (\$52 per subscription)

Staff Impact: None.

CRC Vote: 16-0-0 CNV.

SA Answer: Passed

SA Vote: 14-0-0-CNV

SA Comments: The Student Activities Committee is supportive of offering the Handbook Online subscription as a benefit to student members.

Information Items

1. Executive Committee
 - Review of all subcommittees were made.
 - The Chair reviewed the status of this year's MBOs.
2. Centralized Training
 - Virtual session scheduled for July 11th after Annual Meeting.
 - On-demand videos have been created by each subcommittee and uploaded to the website.
 - All SA Chairs and SBAs registered for Centralized Training will be encouraged to watch the videos in advance so that the live session can focus on questions and best practices.
3. ABET Subcommittee
 - Two new PEVs went through ABET training this Spring and have been approved for visits.
 - ASHRAE does not have any assignments in this year's accreditation cycle but is working with ASME and ASCE to get our program evaluators assigned for their visits.
4. K-12/STEM Subcommittee
 - The High School Design Competition will run again in SY24-25 with a December 30th deadline.
 - Six chapters earned the K-12/STEM Chapter Leadership Award for SY23-24.
 - K-12/STEM marketing material is being reviewed and will be updated.
5. Grants Subcommittee
 - The Undergraduate Program Equipment Grant application form and scoring rubric have been updated for the SY24-25 round to adjust for the increased funding of \$25,000 for the top application.
 - Funding has been requested from Life Members Club to continue the travel grants program in SY24-25.
6. Design Competition Subcommittee
 - 51 Design Competition projects were submitted this year.
 - HVAC Design Calculations – 22
 - HVAC System Selection – 10
 - Setty Family Foundation Net Zero Energy Design – 13
 - Setty Family Foundation Applied Engineering Challenge – 4
 - Building EQ - 2
 - 23 Design Competition submissions were judged at Society Level with four rising star nominations. The Winners of each category were selected on June 22nd and will be notified in early August.
 - The 2025 Design Competition location (Manchester, England, UK) and building type (medical office building) were finalized and the competition details are on the website.
 - The 2025 Applied Engineering Challenge is focused on an innovative carbon capture and utilization module that integrates with existing HVAC&R systems.

7. Post High Subcommittee

- Four nominations were reviewed for the SBA of the Year Award and a winner was selected.
- The subcommittee has begun planning for the in-person Student Program on Saturday and Sunday of Winter Conference in Orlando.
- Student Membership
 - The total number of student members as of May 31, 2024 is 6,160 5,986 (2.9% increase from May 2023)
 - Branches – Sixteen pending branches bringing the total to 34 new branches for SY23-24

Region	Student Branch	School	Chapter	Location
RAL	Al al-Bayt University Student Branch	Al al-Bayt University	Jordan	Mafraq, Jordan
RAL	BUET Student Branch	Bangladesh University of Engineering and Technology (BUET)	Bangladesh	Dhaka, Bangladesh
RAL	CUET Student Branch	Chittagong University of Engineering and Technology (CUET)	Bangladesh	Chittagong, Bangladesh
XIV	Cyprus Student Branch	University of Cyprus	Cyprus	Nicosia, Cyprus
RAL	DIT, Dehradun Student Branch	DIT University	India	Dehradun, India
XII	ETITC Student Branch	Escuela Tecnológica Instituto Técnico Central	Colombia	Bogota, Colombia
XIII	HKMU Student Branch	Hong Kong Metropolitan University	Hong Kong	Hong Kong, China
RAL	Kafr El-Sheikh Student Branch	Kafr El-Sheikh University	Cairo	Kafr El-Sheikh, Egypt
RAL	KDU Student Branch	General Sir John Kotelawala Defence University	Sri Lankan	Dehiwala-Mount Lavinia, Sri Lanka
IV	Kennesaw State University Student Branch	Kennesaw State University	Atlanta	Marietta, Georgia
XIV	Milano Student Branch	Politecnico di Milano	Italy Section	Milan, Italy
RAL	MIST Student Branch	Military Institute of Science and Technology (MIST)	Bangladesh	Dhaka, Bangladesh
RAL	TTU Student Branch	Tafila Technical University	Jordan	Tafilah, Jordan
XII	Uninorte Student Branch	Universidad del Norte	Colombia	Barranquilla, Colombia
XII	Universidad Industrial de Santander Student Branch	Universidad Industrial de Santander	Colombia	Bucaramanga, Colombia
RAL	University of Lahore (UOL) Student Branch	University of Lahore	Central Pakistan	Lahore, Punjab, Pakistan

MBO Update

MBO #	Description	Measurable Metric	Initiative #	Goal #	Completion % /Date
		(how do we determine success?)			
1	Improve RVC performance by introducing KPI measures of their effectiveness	Each RVC is assigned: - RVCs Create MBOs for SY2023-2024 - Attend at least 90% of the subcommittee meetings - Share challenges and successes between Regions - Improve and revise Centralized Training Videos - 100% attendance at winter and annual meeting - Increase number of Scholarship applications - Have fun!	3,4	2a	MBOs: 80%; SubCom Meeting: 50%; Winter Meeting: 95% (missing 1); CT videos 100%, Annual Meeting, 80%

<p style="text-align: center;">2</p>	<p>Increase Post-High awareness and participation from students by measuring success with the student program at the winter conference in Q3 and other KPIs by the end of Q4</p>	<p>Post high sub-committee is assigned:</p> <ul style="list-style-type: none"> • Plan Chicago Student Conference • Host 2 virtual round table sessions with more than 50 students in attendance - Host 3 virtual student DLs with more than 50 students in attendance - Improve student branch status reporting to greater than 80% and review reports - Marketing for student branches revitalization <ul style="list-style-type: none"> - Improve quantity and quality of SBA of the Year award applicants - Create and maintain a Student Activities Instagram account; get 300 followers by June 30th, 2024 - Tips/Tricks for fundraising and budgeting for students coming to the ASHRAE Winter Conference 	<p>2, 3,4</p>	<p>All</p>	<p>WC 100%; Round tables: 100%; DL 75%; Student branch reporting: 60%; Marketing: 100%; SBA: 100%; IG: 35%; Tips/Tricks: 100%</p>
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<p style="text-align: center;">3</p>	<p>Increase awareness of K-12 activities by improving and increasing participation in the high school design competition.</p>	<p>K-12 Stem Sub-committee is assigned:</p> <ul style="list-style-type: none"> - Update High School Design Competition Scoring Matrix - Plan and run K-12 STEM Event at Winter Program: improve on what we learned at Winter 2023 - Prepare 2024-25 High School Design Competition - Create a video for the High School Design Competition, similar to what we provided on the Centralized Training Page - Create new promotional materials, actively promote, and receive at least 3 applications for Youth Outreach Award - Create new promotional materials, actively promote, and receive at least 3 applications for SA Achievement Award - Increase STEM Leadership Award 	<p>1,2,3,4</p>	<p>1,2,3</p>	<p>HS Matrix: 100%; K-12@WC: 100%; HS Video 0%; Marketing: 50%; STEM Award 90%</p>
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4	Increase the amount of award applications for SA awards	<p>Grants subcommittee assigned:</p> <ul style="list-style-type: none"> - Submit Motion for change for Grant 1st place award to be \$25,000 - Increase travel grant applications to 45. - Increase grant applications to 80. - Have at least one application per region (Grant and Travel) - Promote and acquire five applications submitted by trade schools. 	1,2,4	1,2,3	<p>100% Motion; Increase travel Applications 171%; Increase in applications 110%; Diversity in application location: 93%; trade schools: 0%</p>
5	Improve the amount and quality of grant submission by changing the award amount and increasing awareness of grants and travel grants	<p>Design Competition sub-committee is assigned:</p> <ul style="list-style-type: none"> - Review and update the judging guidelines. - Evaluate how we can promote diversity and inclusion in our competition offering. - Evaluate the general judging process for more transparency. 	1,2,3,4	1,2,3	<p>100% on qty, 87% on 1 per region</p>
6	Improve the judging process of the design competition and include DEI	<p>Review and update judging guidelines in Q4, evaluate how we can promote DEI in the competition for 2024-2025 by Q2, and evaluate the process for more transparency in Q4</p>	All	All	100%