

**Student Activities Report to Members Council  
From Student Activities Committee Meeting  
February 3, 2023  
Atlanta, GA, USA**

**Members Present**

Mai Anh Dao, Chair  
Kellie Huff, Vice-Chair  
Ashley Keller, Reg I  
Elizabeth Primeau, Reg II  
Andy Hobson, Reg III  
Adam Parker, Reg IV  
Bob Snow, Reg V  
Kevin Summers, Reg VI  
Jackie Hay, Reg VIII  
Shaun Nienhueser, Reg IX  
Omar Rojas, Reg X  
Tracy McKeon, Reg XI  
Walter Lenzi, Reg XII  
Fu-Jen Wang, Reg XIII  
Yashkumar Shukla, RAL  
Dennis O'Neal, ABET BOD

**Members Absent**

Nancy McBee, Reg VII  
Aleksandar Andjelkovic, Reg XIV

**Guests**

Marcus Dibattista  
Max Meyhoefer  
Jonathan Smith  
Russell Marcks  
Julia Pellegrini  
Samuel Taylor  
Lionel Davis  
Mariel Meegan  
Julia Timberman

**Staff**

Katie Thomson

## Information Items

1. Executive Committee
  - Review of all subcommittees were made.
  - The Chair reviewed the status of this year's MBOs – see [Attachment A](#).
  - Current PAOE points were discussed and recommendations for changes for SY23-24 were made – see [Attachment B](#)
2. Centralized Training
  - Live webinar session to be scheduled in June ahead of 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
  - ASHRAE had one assignment in this year's accreditation cycle at New York Maritime College and Vinay Ananthachar was the PEV for his first visit.
  - The biggest change came from the Engineering Accreditation Commission (EAC) which voted to provisionally approve changes in program criteria to include diversity, equity, and inclusion explicitly in the program criteria.
  - ASHRAE is still not a cooperating society with ASME but ASME will assign our newest program evaluator (Dr. Nick Roberts from Utah State University) to an accreditation visit this fall. We are hopeful that ASME will continue this courtesy until we can be recognized as a cooperating society.
4. K-12/STEM Subcommittee
  - The subcommittee is developing a second children's book (K-6) with Danielle Passaglia with support from the Publications and Education Committee.
  - Various translations of the first book are being developed to focus on our DEI initiatives.
  - A 3D modeling competition for high school students was piloted in SY22-23 with prize money to come from the existing SA budget. There were four submissions reviewed by the subcommittee and the winners will be notified in March.
  - K-12/STEM marketing material is being reviewed and will be updated.
5. Post High Subcommittee
  - One nomination was reviewed for the SA Achievement Award but the subcommittee agreed that the individual did not merit the lifetime achievement award.
  - In-person Student Program on Saturday and Sunday of Winter Conference. See [Attachment C](#) for details.
  - Student Membership
    - The total number of student members as of Dec 31, 2022 was 6,066 with 4,408 active and 1,658 in grace (25% increase from Dec 2021)
    - Branches – Nine pending branches bringing the total to twelve new branches for SY22-23

Region	Student Branch	School	Chapter	Location
RAL	NFC Faisalabad Student Branch	NFC Institute of Engineering and Fertilizer Research	Faisalabad	Faisalabad, Punjab, Pakistan
RAL	Federal University of Technology Minna Student Branch	Federal University of Technology Minna	ASHRAE Nigeria	Minna City, Nigeria
RAL	Al-Zaytoonah University Student Branch	Al Zaytoonah University of Jordan	Jordan	Amman, Jordan
XI	University of Manitoba (U of M) Student Branch	University of Manitoba	Manitoba	Winnipeg, Canada
RAL	VPKBIET Baramati Student Branch	Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati	Pune	Baramati, India
RAL	Sudan Univeristy of Science and Technology (SUST) Student Branch	Sudan University of Science and Technology	Sudan	Khartoum, Sudan
X	Gateway Community College Student Branch	Gateway Community College	Central Arizona	Phoenix, AZ
RAL	AlHussein Technical University (HTU) Student Branch	AlHussein Technical University	Jordan	Amman, Jordan
II	York University Student Branch	York University	Toronto	Toronto, Canada

#### 6. Grants Subcommittee

- 77 applications were reviewed and scored. 33 projects will be funded for SY23-24 for a total of \$158,000 and \$13,000 will be used to fund travel for the top two scoring teams to present at the 2024 Winter Conference in Chicago.
- Plans to create new marketing material (videos and flyers) to promote the grants program to more schools
- Received 39 applications for the Winter Conference travel grants funded by Life Members Club. Five \$1,000 grants were awarded.

#### 7. Design Competition Subcommittee

- The 2024 Design Competition location (Sao Paolo, Brazil) and building type (central public library) were finalized and the competition details will be added to the website in February.
- The ISBD competition has been renamed for 2023 to Setty Family Foundation Net Zero Energy Design with additional funding for travel and prize.
- The Building EQ Competition was piloted this year with nine submissions received. This collaboration with Building EQ committee allowed student groups to select a building to perform an energy audit, access the ASHRAE building EQ portal, and provide recommendations for improvements.

**Attachment A: MBO Update**

2022-23 Student Activities Committee MBO's

Mai Anh Dao, Chair

	Who	Description	Completion % /Date
<b>General</b>	<b>Hold paramount our relationships with chapter chairs, and then to each of our other committee members. Our task is to ensure they are equipped and have support.</b>		
	Each RVC	RVCs Create MBOs for SY2022-2023	In progress
	Each RVC	Attend at least 90% of the subcommittee meetings	In progress
	Each RVC	Share challenges and successes between Regions	In progress
	Each RVC	Improve and revise Centralized Training Videos	In progress
	Each RVC	100% attendance at winter and annual meeting	In Progress
	Each RVC	Increase number of Scholarship applications	In progress
	Each RVC	Have fun!	In progress
<b>Post high SubCommittee</b>	<b>Provide equity within our programs to engage post high students in HVAC related careers - create awareness, provide opportunities, and receive feedback.</b>		
		Create / host 2 virtual congress sessions / round table sessions	50%
		Improve student branch status reporting to greater than 80% and review reports	In progress
		Review and revise the student program - Atlanta	In progress
		Update SBA Award to address timing, application process, and criteria issues	Completed
		Plan Atlanta Student Conference	In progress
		Marketing for student branch revitalization	In progress
		Host 4 virtual student DLs	75%
<b>K-12 Stem Subcommittee</b>	<b>Provide a culture of equity for students to engage K-12 students toward Engineering, with a focus on HVAC related field.</b>		
		Evaluate how we can promote diversity and inclusion in our K-12/STEM efforts	In progress
		Receive at least three applications for each: § Youth Outreach Award § Student Activities Achievement Award	Not complete
		Develop 2nd children's book	In progress
	Each RVC	Increase the STEM Leadership award to one per region.	In progress
		Develop an HVAC specific Stem kit	In progress

		3D modelling comp. Submission from multiple region	100%
<b>Grants Subcommittee</b>	<b>To increase student's interest and awareness in HVAC, make connections with industry with the aim to attract students into HVAC.</b>		
		Update showcase flyers and send until deadline	100%
		Receive one applicant from each ASHRAE Region	100%
	Each RVC	Promote the travel grant - get at least one applicant per region	100%
		Review the selection process for the Travel Grants	100%
		Send out a survey to all applicants, and potential applicants to determine if the program creates any disadvantages.	In progress
		Should we rename this to Applications subcommittee	Tabled indefinitely
		Inform Chapter Chairs about undergraduate and trade school grant eligibility	In progress
		Increase grants application to 70	Completed - 77
		Complete development of Travel Grant	Completed
		Evaluate how grants can serve more diverse programs that support this industry.	In progress
		Promote and acquire five applications submitted by trade school	In progress
<b>Design Competition</b>	<b>Provide an environment of equity in the competition, and engage all members.</b>		
		Review and update the judging guidelines (to be shared with the students)	In progress
		Evaluate how we can promote diversity and inclusion in our competition offering	In progress
		Evaluate the general judging process for more transparency	In progress
		Create a judging process for BEQ competition	In progress

## Attachment B: PAOE Recommendations

### ADD

SA5.5 - 50 points; (300 points maximum) – For each ASHRAE 3D Highschool Modeling Competition entered

SA6.18 – 10 points; (50 points maximum) – For promoting undergraduate equipment grants to Student Branch Advisors and/or Student through email, social media or in person

### AMEND

SA6.2 – ~~50~~ 10 points; (~~no~~ 100 maximum): For each current student member that renews their ASHRAE student membership

Change 50 points to 10 points; change no maximum to (100 points maximum)

SA6.5 – 50 points; (300 points maximum): For each ASHRAE Student Design Competition, BEQ, AEC, Student Paper entered

Add: BEQ, AEC, Student Paper

SA6.7 – 25 points; (25 points maximum): For promoting Society or Regional level scholarships to Student Branch Advisors and/or Student through email, social media or in person

Add: or in person

### MOVE AND AMEND

SA~~5.3~~ – ~~25~~ 100 bonus points: If all chapter officers + K12 STEM Champion (or SA chair) participate (this qualifies for the K-/STEM leadership award)

Move SA5.3 to SA9.4

Change 25 points to 100 points

**Attachment C: 2023 Winter Conference Student Program**

<https://www.ashrae.org/conferences/2023-winter-conference-atlanta/2023-student-program>



 **2023 ASHRAE**  
WINTER CONFERENCE

**STUDENT PROGRAM**



**#myashrae**

Find more information visit [ashrae.org/2022winter](https://www.ashrae.org/2022winter)