

**Student Activities Report to Members Council
From Student Activities Committee Meeting
June 25, 2022
Toronto, ON, Canada**

Members Present

Jared Larson, Chair
Mai Anh Dao, Vice-Chair
Chonghui Liu, Reg I
Liz Primeau, Reg II
Andy Hobson, Reg III
Bob Snow, Reg V
Jane Opoien, Reg VI
Shaun Nienhueser, Reg IX
Kellie Huff, Reg X
Dennis O'Neal, ABET BOD
Ashley Keller, Reg I Incoming
Kevin Summers, Reg VI Incoming
Jackie Hay, Reg VIII Incoming
Omar Rojas, Reg X Incoming

Members Virtual

Adam Parker, Reg IV
Pam Duffy, Reg VIII
Tracy McKeon, Reg XI
Walter Lenzi, Reg XII
Fu-Jen Wang, Reg XIII
Ade Awujoola, RAL
Yash Shukla, RAL Incoming
Mansour Zenouzi, ABET EAC Rep

Guests

Robin Bryant
Juliana Trigo
Connor Murray
Mark Miller
Andrew Sneed
Mahroo Eftekhari
Amr Suliman
Jim Arnold
Ben Oliver
Julia Timberman
Jake Taylor
Eileen Jensen
Devin Abellon
Amanda Kirkeby

Staff

Katie Thomson

Information Items

1. Executive Committee

- The total number of student members as of May 31, 2022 is 5,314.
 - May 31, 2021 is 4,845.
 - May 31, 2020 is 7,182.
 - May 31, 2019 is 8,067
 - May 31, 2018 is 7,593
 - May 31, 2017 is 8,093
- Review of all subcommittees were made.
- The Chair reviewed the status of this year's MBOs.

2. Centralized Training

- Live Zoom session scheduled for Friday June 15th from 9am – 11am EDT.
- On-demand videos have been created by each subcommittee and uploaded to the website.
- All SA Chairs and SBAs registered for Centralized Training (100 so far) 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 has one assignment in this year's accreditation cycle at New York Maritime College and Vinay Ananthachar has agreed to be the PEV for his first visit
- Mansour Zenouzi provided an update on the Engineering Accreditation Commission and Robert Bittle provided an update on the Engineering Technology Accreditation Commission.
- 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.
- The committee reviewed a list of faculty in architectural engineering and engineering technology programs who are ASHRAE members and who might serve as a program evaluators if invited to apply.

4. K-12/STEM Subcommittee

- Two chapters from Region X achieved the K-12/STEM leadership award
- 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 has been finalized and will be piloted in SY22-23 with prize money to come from the existing SA budget. The details will be added to the website with a December 31st deadline with submissions reviewed at the 2023 Winter Conference.

5. Post High Subcommittee

- Planning for an in-person Student Program at the 2023 Winter Conference in Atlanta.
- 43% of student branch status reports have been submitted. Staff and RVCs will reach out to branches that have not submitted to identify plans for the next academic year.
- Four nominations were reviewed for the SBA of the Year Award and the subcommittee voted unanimously for a winner.
- Brett Stinson (student member from Portland State University) won the ASHRAE Student Paper Competition and competed at the CLIMA REHVA HVAC World Congress in Rotterdam where he placed second overall.
- Virtual Career fair wrapped up in February 2022 after the winter conference. Since travel is opening up again the committee does not intend to do this next year when in person career fairs resume.
- Student Membership
 - The total number of student members as of May 31, 2021 is 5,314 (9.68% increase from May 2021)
 - Branches – 10 pending branches bringing the total to 18 new branches for SY21-22

Region	Student Branch	School	Chapter	Location
RAL	Academy of Business and Engineering Science (ABES) Student Branch	ABES Engineering College	India	Ghaziabad, India
RAL	Alamain Student Branch	Arab Academy for Science, Technology and Maritime Transport (AASTMT) - Alamain Campus	Alexandria	Alamain, Egypt
XII	Barbados Student Branch	St. Michael School & University of the West Indies	ASHRAE Caricom	Bridgetown, Barbados
RAL	Federal University of Technology Akure Student Branch	Federal University of Technology	ASHRAE Nigeria	Akure, Nigeria
RAL	International Institute of Management and Technical Studies (IIMT) College of Engineering Student Branch	IIMT College of Engineering	India	Greater Noida, India
VIII	MIAT College of Technology Student Branch	MIAT College of Technology	Houston	Houston, TX
RAL	Nnamdi Azikiwe University Student Branch	Nnamdi Azikiwe University	ASHRAE Nigeria	Awka, Nigeria
RAL	TPGIT Student Branch	Thanthai Periyar Government Institute of Technology	Chennai	Vellore, India
XIV	University of Sheffield Student Branch	University of Sheffield	UK Midlands	Sheffield, England
RAL	VIT-AP University Student Branch	Vellore Institute of Technology - Andhra Pradesh University	ASHRAE Deccan	Amaravati, India

6. Grants Subcommittee

- Subcommittee reviewed online application form and judging criteria for 2022-23 round.
- Updates have been made to the application form to simplify the judging process.
- Student travel grants (five up to \$1,000 each) sponsored by Life Members Club were awarded for travel to the Student Program in Las Vegas.
- \$2,000 of the equipment grant budget will be set aside for SY22-23 to use to continue for travel two grants (\$1,000 each) to attend the Student Programs in Atlanta at the 2023 Winter Conference.

7. Design Competition Subcommittee

- 64 Design Competition projects were submitted this year
 - Design Calculations – 17
 - System Selection – 10
 - ISBD – 13
 - Applied Engineering Challenge – 24
- 35 Design Competition submissions were judged at Society Level with four considered as Rising Stars. The Winners of each category were selected on June 17th and will be notified in early August.
- Information for the 2023 Design Competition and Applied Engineering Challenge have been published on the website.
- The goal is to release the 2024 Design Competition information in January 2023 with discussions ongoing regarding location and building type.
- 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. Several teams included a recommendation letter from the owner commenting on the value of the evaluation. This competition will be continued next year.

MBO Update

2021-22 Student Activities Committee MBO's

Jared Larson, Chair

Number		Who	Description	Financial Assist Req'd?	MBO Comments	Completion % /Date	
1	General	each of our other committee members. Our task is to ensure they					
	A	Each RVC	Have at least one - one on one call with each chapter chair by September 30, 2021	No			
	B	Each RVC	Attend at least 90% of the subcommittee meetings	No		No	
	C	Each RVC	100% attendance at winter and annual meeting.	No		Incomplete (due to Covid)	
	D	Each RVC	Have Fun!!	No		Yes avec Succès!	
2	Post high SubCommittee	in HVAC related careers - create awareness, provide opportunities, and receive feedback.					
	A		Create / host 4 virtual congress sessions	No		complete April 2022	
	B		Plan a virtual Career fair (providing its approved)	YES \$9500 usd	funding was approved in July 2021	complete Feb 2022	
	C		Review and revise the student program with a focus on networking skills, resume building tips.	No		complete Feb 2022	
	D		Develop tools for students searching and applying for jobs. Are students aware of what an HVAC career path looks like?	No		complete April 2022	
3	K-12 Stem Subcommittee	Provide a culture of equity for students to engage K-12 students toward Engineering, with a focus on HVAC related field.					
	A		Promote the integration of the children's book. the subcommittee is to develop a few concepts of how this may be promoted, so that chapter members can understand the intent.	No		complete March 2022	
	B		complete the high school competition details	No		Complete October 2021	
	C		Develop a toolkit to help promote HVAC careers to K-12. (is it a flyer, video, mentorship program...)	No		No	
	D	Each RVC	Increase the STEM Leadership award to one per region.	No		no	
	E		Develop an HVAC specific Stem kit	No		No	
	F		Build a list of future stem kits (preferable HVAC or building science themed), and add to existing	No		Yes	
4	Grants Subcommittee	connections with industry with the aim to attract students into HVAC.					
	A		Update showcase flyers before september 1, and send one or two out every second week until deadline	No		No	
	B		Reach out to 10 universities who currently are not ASHRAE members	No		NO	
	C	Each RVC	Promote the travel grant - get at least one applicant per region	No		1 region missing.	
	D		Send out a survey to all applicants, and potential applicants to determine if the program creates any disadvantages.	No		Yes	
	E		should we rename this to Applications subcommittee, move BEQ and AEC into this subcommittee. Both have summer deadlines	No		Yes	
5	Design Competition	Provide an environment of equity in the competition, and engage all members.					
	A		review the complexity of the competition. will this improve DEI? will we lose participation?	No		Yes	
	B		investigate whether BEQ competition be moved to grants? or left out of a subcommittee move it into the full committee.	No		Yes	
	C		international competitions that also compete, should we amalgamate?	No		Yes	