McMaster Engineering Society
Semi Annual General Meeting I Agenda
March 26th, 2018
MDCL 1102
7:00pm

Approved Absences:

Quorum Count - Please sit with members of your Department

Department	Initial Count	Final Count
Bioengineering	13	15
B. Tech	12	13
Chemical	10	14
Civil	14	15
Computer Science	6	10
Electrical & Computer	10	13
Engineering Physics	13	11
First Year	10	15
Management	13	11
Materials	19	13
Mechanical	13	10
Mechatronics	14	12
Society	15	12
Software	12	13

Note: SAGM must contain a quorum of 3% of McMaster's Faculty of Engineering population - preferably ≥ 10 members per club/department.

Ratification of the Agenda

Participant (P): Motion to add concrete toboggan presentation.
Mitch: Friendly.
P: Add solar car presentation.
Mitch: friendly.
Dani: move Motion 3.14 to end of agenda.
Mitch: friendly.
P: motion to put hockey presentation on agenda.
Mitch: friendly.

Majority for
3 abstentions
1 opposition
Motion passes

Presentation 1: *McMaster EngiQueers*

Presented by: Rama Arafa

Rama: President. VP Finance couldn't be here. Promote inclusion of LGBTQ+ students. Social events, education, advocacy, ally support. Two main events. Much & mingle, chill environment. First one Mario Kart, pizza. Second one board games, pizza. Fundraising, Valentine's day donated $90 to Rainbow Railroad. Organization aims to bring LGBTQ+ to safety. Main future event, Toronto Pride 2018, June 24th. Expecting 30-50 people, marching alongside other engineering schools. If you're interested, Facebook page. Want to get involved, come to munch & mingle, march in Pride with us, follow us on social media. Executive team applications are out now. Expenses, main was Pride registration, $700. Get some of that back because we ask people who march with us to donate $10. Munch & Mingle $180 total. Bought some stickers, in the future selling them.

Presentation 2: *McMaster Engineering Custom Vehicle Team*

Presented by: Daniel Sheogobind

Daniel: Captain. Group that creates and maintains unique vehicles for faculty. Focus on cars, see ourselves as learning team. Mechanical design, hands-on problem solving. Not competition team, can get away with more. During year, have build days to work on cars. Weekly meetings. Take part in engineering events; Welcome Week, Santa Clause parade, May @ Mac. Have lecture nights where I research stuff, make PowerPoint, talk for an hour to teach members new things. Examples of past vehicles. Have one in my backyard right now. Moonwalker, two Toyota Corollas cut in half, bolted together. Actually drives. Going to make patch for it. Also have Carpool Mk. III. Hot tub. Almost at end of life, making new one soon. Santa Claus Parade 2017, actually able to bring cars off campus. Good, but it stalled and it was raining. Got rid of old scrap cars, made $350. Plum-mobile didn't happen, didn't budget time correctly. This term, no new building of vehicles, going to start in summer. One team member didn't get safety training for Hatch. Got it done. Also had to move old cars, stalled on starting to build (car pun). Next year, make car to replace Carpool, going to be a U. Modular, different attachments. Put in hot tub, bleacher seats, catapult. Acquire car over summer, do CAD work. Cash flow, MES allocated us $3,000, used less than $1,200 because we didn't buy a new car. Stuff we did use was for new tools. For a detailed budget can email me. Want to join, just have to show up for meetings, Thursdays 7pm second floor Hatch. No tryouts, can join any time. Follow us on social media.

Presentation 3: *MAC Formula Electric*

Presented by: Riley Dunn

Riley: 100 students, mostly engineering also commerce. Build a solar car. Budget, around $150,000 total. Car, 4-wheel drive, 200HP, 130kg. 0-100 in about 2 seconds, top speed of ~130km/h. Gearbox on each wheel, aerodynamic, battery pack, electrical components, tires. R&D all done by students. CAD, use MATLAB to analyze and optimize performance. Outreach to industry, GM, Linamar, McLaren. Some monetary, some help manufacture. Herschel sponsorship, not engineering-focused company. Competition, looking to compete at Formula North in Barrie this June. Formula Student Germany, top teams are in Europe, next goal.

Presentation 4: *McMaster Chem-E Car*

Presented by: Marwan & Jamie

Jamie: Car team with chemicals. Team of 15 people. Two reaction chambers, hydrogen fuel cell to power it, second reaction blocks the light sensor to stop the car. Competition, 1 hour before the run you're given distance and weight for car. Most of season spent testing different combinations of weight and distance. Last competition, regional, right on the dot. At regionals in Chicago, came first in both poster competition and challenge of reaching the line. Got us to nationals, didn't place as well. 25 out of 45. People from all over the world. Came third in poster competition, proud of that. Budget, sponsorship from an alumnus, some expenses.

Presentation 5: *Phase One*

Presented by: Melissa Lam & Abhayraj Jain

Melissa: Co-president. Phase One, community of coders. Goal to help people learn more about tech, hardware and software. Four main areas, workshops, codenights, outreach, DeltaHacks. Codenights, informal, learning about things, helping with side projects and homework. Workshops more formal, teach new languages and concepts, have industry professionals come in. End of January, worked with comp sci society and software engineering club to hold panel discussion and do mock technical interviews and resume critiques. Outreach, connect with high school students. Worked with canCODE this past year, gets

high school students interested in the field. Some university students hosted conference on campus for them, helped canCODE host own hackathon. Partnered with IEEE.

Abhayraj: DeltaHacks, biggest annual event. Aim to drive social change, bring together students and ideas. Hackathon, innovation marathon. Opening ceremonies, 24 hours to work on project, judging and closing ceremonies. All about social change, try to reach out to other faculties as well. Diverse group applying, a lot of first-timers, varying years. Have mentors come in to help. This year got $5,000 from MES. Most used in DeltaHacks, $40,000 event. Rest went towards pizza and other events. DeltaHacks, a lot on transportation, other things. Looking for executives, go to our Facebook or email us.

Presentation 6: *Concrete Toboggan*

Presented by: Jonathan Mackinnon

John: build, manufacture, race concrete sled. Skis are concrete. Race down a hill. Team is 30 people, went to Waterloo. Exposition, competition day, social event. Four technical components. Superstructure, skis, braking, steering. Theme component, spirit, display, costume. This year, had whole carbon fiber braking system. Competition, out of 25 finished 11th overall. Superstructure and innovation finished 7th overall. Sponsorships from MES, Engineering Faculty, construction companies. Team members pay fees. MES sponsored $6800. Went mostly towards competitor's fee. Faculty gave us $3,000, went to hotels. We were able to fundraise, refunded some of the team fees. Next year, Alberta for competition.

Presentation 7: *Solar Car*

Presented by: Thomas Sweeney

Thomas: build & race solar powered electric vehicle. Represent McMaster at conferences and events. Team, about 70 people, 3 sub-teams of electrical, mechanical, business. About 200 people came out to info sessions. Have info sessions every September, training lasts about 6 months to get up to speed. Do outreach, Beasley project where we go to downtown elementary school and teach student about Arduinos and electrical things. Mentor local FIRST robotics teams. Represent Mac at conferences around GTA. Students from teams, a lot get hired for co-op, get leadership experience, hands-on experience. This year, working hard on new car, race in July from Nebraska to Oregon, about 3,000km. Next year, improve Gen 7 vehicle. Hopefully race at World Solar Car. Annual average budget about $155,000, this year around $50,000. MES got $3000, full budget is on our website, can email us with questions.

P: programming?
Thomas: mostly use C to program. MATLAB. Excel macros, some Java.

Presentation 8: *McMaster Engineering Hockey*

Presented by: Dave McShannon & Brendan

Dave: support well being & mental health of students, organize pickup hockey nights to destress. $2 for weekly games at local rink. Organized intramural hockey team, separate entity in terms of expenses. Engineering Hockey team for tournament by ESSCO, won tournament this year in Ottawa. Budget $3,1000. All to pickup hockey, money for $2 went to ice times. Looking for same budget next year.

P: is the team co-ed?
Dave: yes, have girls on play-fun team as well as play-competitive team.
P: do you teach hockey?
Dave: you need equipment.
Brendan: can come and learn to play.

Motion 1: Seismic Design Team Special Projects Funding

Motioned by: Brenden Suh
Seconded by: Saranjan Mahadevan

Whereas McMaster Seismic Design Team is a team consisting of primarily engineering students,
BIRT McMaster Seismic Design Team receive $1500 from the Special Projects Fund to attend the annual Earthquake Engineering Research Institute's Seismic design competition in LA 2018.

Mesh: National competition team, 60 other teams, usually in West Coast around earthquake region of north America. Over 50 members, multidisciplinary group. Passionate about structural design. 60 teams apply, only 30 teams make it, we made it.
Saranjan: every year make proposal for building to be built in earthquake-prone region. Several considerations and constraints to be taken into account. Once proposal is submitted and we're selected, each team designs building to be tested on shake table. At competition, judged for presentation, poster, ability to meet constraints. Extra points for architectural renderings and accurate predictions. Models, CAD renderings. 2015 competed in Boston, video. Project timeline, Sept. – Dec is recruitment and organization, dividing into subgroups. Proposal gets accepted, work on design, constructing, optimizing, testing. Team has two captains, Mesh and myself. Several sub-team captains.
Mesh: several graduate advisors, faculty advisors. Seismic hosts a lot of workshops, SAP, CAD, REVIT workshops. Send students to competition, networking opportunities with companies and international universities.
Saranjan: focus on attracting first years. May @ Mac, Frosh Week, have posters and are there to answer questions. Hold workshops.
Mesh: general info nights. Expenses, last year's. Most accurate than this year's, we haven't booked flights and hotel yet. Planning on doing by end of week. Last year, almost $12,000. This year, more, hotels are more expensive so looking at AirBnB.
Saranjan: Sponsorship and funding, get money from faculty. Industry funding, construction companies. ECCS gives us $1,000, this year looking at getting conference funding. Get department funding. Estimate for this year is almost $13,000. Each is around $500 a student with current budget.

P: what other additional fundraisers have you had?
Mesh: most part, wanted to host workshops for students. Haven't done much fundraising, trying to secure other funding sources so it's secure for future, will be able to go into future competitions.
P: pictures of model?
Saranjan: not this year's, have last year's model.

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Majority for
0 opposed
1 abstention
Motion passes

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Motion 2: Seismic Design Team: Team Status

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Motioned by: Brenden Suh
Seconded by: Saranjan Mahadevan

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Whereas the McMaster Seismic Team has been actively engaging engineering students and going to competitions.
Whereas team status would grant further resources for the Seismic team to succeed.
BIRT the McMaster Seismic Team be granted Team status.

Mesh: would like to become team.

P: have you previously applied to be team?
Mesh: applied for affiliate, first time going for team.

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Majority for
1 opposed
2 abstentions
Motion passes

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Motion 3: McMaster USRE Affiliate Status

Motioned by: Sophia Emerson
Seconded by: Alexandre D'Souza

Whereas USRE is currently the only engineering society at McMaster that creates a community for undergraduate researchers.
Whereas McMaster USRE has helped build a more transparent hiring process for summer research assistants.
Whereas McMaster USRE is comprised primarily of students from the Faculty of Engineering
BIRT McMaster USRE becomes an MES affiliate.

Sophia: just want to gain affiliate status. Club, create community for undergraduate researches within faculty over the summer. I did research, found there wasn't a community. Want to find ways for students to interact outside of lab. A lot of professors hire students to do hiring, process wasn't transparent, wanted to create better experience for students. Started in January 2017, have been full club with executive starting back in September. Over year, several events. Student mixers over summer, barbeques, Boston Pizza. Professional development workshops, started with poster showcase and ice cream social. Opportunities fair, over 300 students, professors were showing what research positions were available. More ideas for events, Eng Talks, 3-minute thesis competition for undergrad students. Executive applications are due this Friday, new club so lots of opportunity to get involved.

Majority for
0 opposed
0 abstentions
Motion passes

Dani Lake: motion to make Jocelyn Lee chair of meeting.
Mitch: seconded by JMac. No discussion. (majority for, 5 opposed, 17 abstentions, motion passes).

Motion 5: Driving is Expensive

Motioned by: Mitchell Kurnell
Seconded by: Quinn Shobbrook.

Whereas travel to conferences and competitions is often more conveniently done in a car, whereas the MES reimbursement rate is currently very low.
BIRT the MES reimbursement amount for mileage be changed to follow the Government of Canada standard and the following changes be made to Section K, subsection 2 of the MES policy manual:

K...
2...
2.7. Gasoline/mileage reimbursement for eligible travel (determined by VP Finance) expenses will be ~~$0.12~~ $0.55 per kilometer in accordance with the Government of Canada's "Reasonable per-kilometre allowance" and will be updated annually in accordance with the Government. Supporting map data stating total shortest distance travelled must be submitted.

Mitch: currently, $0.12/km is kind of enough to cover gas, but per km allowance should cover things like wear and tear on vehicle. Oil, tires, insurance. Wanted to change it, $0.12/km really isn't a lot especially when driving to and from competitions.

P: so every time government changes rate will we change?
Mitch: government does change every year. Can propose amendment, friendly change.
P: can MES afford this?
Mitch: will probably come out of open conference funding. Might limit amount of people going to conference, but might also encourage people going together.
P: maximum amount someone can get?
Mitch: determined by VP Finance. If you drive across Canada, VP Finance can technically say no. Way government does it, $0.55/km for first 5,000km.
P: only driving? What if you take a train, other form of transportation?
Mitch: currently, would submit form with receipts and reimbursed based on receipt amounts.

Majority for
3 opposed
3 abstentions
Motion passes

Motion 6: Consistency in the Constitution

Motioned by: Mitchell Kurnell
Seconded by: Quinn Shobbrook

Whereas the MES Constitution currently lacks consistency in its footer.
BIRT all occurrences of the footer of the MES Constitution which read as "McMaster Engineering Society Policy Manual" be changed to reflect the true purpose of the document as shown on pages i-iii of the Constitution which read "McMaster Engineering Society Constitution".

Mitch: really trivial, but constitution changes have to be done at SAGM. Footer says policy manual, not that, want to make it say constitution.

Majority for
0 opposed
2 abstentions
Motion passes

Dani: motion to make Mitchell chair again.
Liam: seconded.
(Majority for, 11 opposed, 2 abstentions, motion passes).

VP Tasty

Presented by: Queen's Pizza

Motion 4: MES Group Status for Mac Design League

Motioned by: Shreyas Gangwani
Seconded by: Richard

Whereas Mac Design League provides exceptional learning opportunities regarding CAD modelling, 3D printing, and networking with industry professionals from our annual "Designathon" competition.
Whereas Mac Design League has been an MES affiliate club for the 2017-2018 academic year.
BIRT Mac Design League receive an official Group Status from McMaster Engineering Society.

Shreyas: President.
Richard: Vice President.
Shreyas: here to motion for MES group status. Affiliates for just over a year. Feel we should be considered for group status. MDL, revolves around CADing and 3D Printing. Primarily we run workshops, run MDL Challenge, CAD Helpline for first years, main event is Designathon. Workshops, ran set of 5 workshops where we built a tank. Ranged from part modelling, animations, assembly, rendering, 3D printing. A lot of interest, place for us to grow. Planning to expand into manufacturing design and UI/UX workshops for next year. MDL Challenge, associated with workshops, challenge afterwards for a month where students can apply what they learned. Designathon, 2-day design competition. Similar to hackathon, instead of code you CAD, 3D print and present to judges. Questions students work on are given from industry. Photos from last Designathon, designing, lots of food, 3D printing on last day. Designathon and MDL team.
Richard: in 2017, kept events small. 50 students registered, 40 participants, no external sponsorships. 2018, tripled size, 150 registered, 120 participated, $7,000 in sponsorship. Feedback has been very positive. Designathon 2019, goal is to double size of event, 300 students register. Would like to expand to other universities. Estimated budget is $20,000. Want to increase experience for students. Can visit our website. We want to become MES group, want to be able to provide students with benefits. By becoming group, can get annual funding and get more exposure for engineering students. Want to join MES community.

P: applying for group status, have you done affiliate?
Shreyas: yes, we have been affiliates for 1 year.
P: sponsorship was $7,000, budget was $20,000?
Shreyas: that was sponsorship for 2018, already happened. Designathon 2019, budget planned is $20,000. Conservative budget for this year, next year want to increase prizes, quality of food. Mainly funding will be from external sponsorships.
P: have you contacted companies? Feedback from this year?
Shreyas: companies who came to event and were gold-level sponsors this year said they want to be platinum next year, people who want to continue working with us. We'll be doing main sponsorship push 6-8 months before event to reach out to other companies.
P: at Mac, only certain number of 3D printers. How to increase people participating while having limited resources?
Shreyas: have regular 3D printing timeslots, also added section with 'design basket', if you want to make physical prototype have glue guns, materials. Don't have to 3D print whole part, can print small prototype, make another prototype out of other materials. Didn't fill up all 3D printing timeslots, people only printed things unique to part. If we get enough sponsorship and funding we might be able to buy more. Potential for future.
P: companies sponsoring, printers?
Richard: in talks with some companies to get more printers at events. Still in progress.
P: other universities, plan for this year?
Shreyas: increased team size. Used to have 13 exec members, now we have 20. One member is responsible for outreach, during summer will contact other universities. Potentially 2-3 years down the road can host Designathon at other universities.

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Majority for
0 opposed
2 abstentions
Motion passes
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Motion 7: Increase Accountability for Conference and Competition Chairs

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Motioned by: Jocelyn Lee
Seconded by: Michael Meier
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Whereas conferences and competitions can be bid for and held at McMaster on behalf of ESSCO and the CFES
And whereas these conferences and competitions can have budgets up to $150,000
And whereas in some cases, the MES is responsible for paying for any deficits caused by these conferences
BIRT the following be added to the Policy Manual:

B. Structure & Organization
6. Appointed Position
6.# Conference or Competition Chair(s)
Conference or Competition Chair(s) are to be established as seen fit by the executive. If there are multiple conferences or competitions being planned at McMaster at the same time, all chairs shall hold appointed positions on the MES. At the SAGM immediately following the conclusion of the conference or competition, a final presentation shall be given by the chair(s). Upon **completion** of this presentation, the chair(s) will have completed their term as an appointed position on the MES.

The Conference or Competition Chair(s) shall:
a)   Be in charge of organizing an ESSCO or CFES conference or competition at McMaster, after successfully winning a bid
b)   Be ratified at the SAGM immediately following their successful bid
c)   Report to the Vice President Finance and Administration

Jocelyn: friendly changes, mostly typos. Bringing more of a tie back to MES, conferences can be very expensive. Setting up official line of communication between VP Finance and conference chairs.

P: can you clarify ratification at SAGM after receiving bid at ESSCO?

Jocelyn: usually bids at all times of year, ratify all at once.

P: what kind of responsibilities would they have on MES side?

Jocelyn: don't want to be adding extra work, just want to make sure we have official link so they can chat with VP Finance about budget.

P: ESSCO for competitions, ESSCO has Director of Sports host competition. How does that work for bidding?

Jocelyn: ESSCO doesn't have official bid to host Hockey, Soccer. Would be discussed later.

P: what happens if there's ratification and it fails? Can't really do anything, but now responsible for people we didn't choose?

Jocelyn: bidding, need two things. Support from MES, and support from faculty. Only after that can you bid. If at SAGM chairs aren't ratified, MES signs a contract that we'll host it, so likely they would pick new chairs.

P: wouldn't ratification be after conference?

Jocelyn: happens after. Bid for conference, get ratified, conference/competition happens after.

Majority for
0 opposed
4 abstentions
Motion passes

Presentation 9: NSBE

Presented by: Tyvaughn

Tyvaughn: current president. Three main focuses, academics, social, recreational. Events this year, The Hunt 2017, professional development conference. Hosted at faculty hall, had workshops. Resume critiquing, mock interviews. Over 100 students registered, roughly half of that turned out. Third year going on, increase in registration every year. The Hunt is biggest event, most expensive. Breakdown of budget. Biggest sponsor is faculty, also have ECCS, MES, and external sponsorships. Also hosted video game tournaments, NBA 2K games, Catan nights. Got together in third floor Hatch room. General meetings, discuss upcoming events and plans for future. Black History Month, participated in wider campus events. End of year, happened last week, take members and go to conference that happens in US as part of NSBE. Lasts 3 days, focused on business and engineering. Networking, social development. Brings out companies, Google, Amazon, Facebook. Interviews. Every year we look at what is needed. Next year, expand the Hunt, include students in high school and elementary school. Work with black boys code, from US, also creating black girls code. Trying to start chapter in Hamilton, partnered with them to help find chapter leader, hopefully bring them to the Hunt. Want to expand on technical base, give students technical background. Want to use Makerspace to do workshops on PCB, 3D Printing, etc.. Main goal for next 3-4 years is establishing NSBE scholarship for incoming students who have financial need. Been talking with MSU, MES for funding. Have several donors lined up, just logistics need to be sorted out.

Executive Accountability Presentations

VP Student Life – Dani Lake

Dani: Policy manual description of what I'm supposed to do. Did do everything on this, sent out MESsengers. Will happen next year, improved upon. Did everything else, if you have questions we can go back later. Helped out here and there, had people come to me asking how to do things. Positions I supervised did great job this year. Did general exec things, going to meetings, picking up random work. Platform points. Didn't do all of them, some not as feasible as thought. Wanted to help set up alumni program, really hard to do it. Long-term project, not feasible in one year. Collaborate with company events, hard to get it with social events, still have ISAAC. MES card was gone over at last SAGM. Clubs and Teams workshops, turned out to be more answering questions, and MES shared drive with how-to's. Other things

went over last time. Website redesign, website isn't the nicest. Had a few people working on it over the year, progress was slow. Going to stress website when passing onto next year's exec. One of my failures. It is a big weak spot of MES, is being worked on. Pictures of my dog.

P: elaborate on Hatch stuff? In the slides, but what has been done?
Dani: more so with Hatch operating committee. Weekly-ish meetings, started about halfway through each term, been a little slow. Mike will talk a little more about what's actually been going on. Questions better suited for Mike.
P: dog's name?
Dani: Winston.
P: talked about helping out here are there, little things, what did you actually do with that?
Dani: don't think there was one big thing I accomplished. Some things, helped out Kat and Amy with Kipling this weekend. Helped with Toga pub, making sure waivers were handed out. Little things, if I listed them all it would be very long.
P: clarify, responsibilities with Hatch?
Dani: biggest thing going to operating committee meetings, give perspectives from students on building. Getting access for club's office, biggest thing I worked on, involved reaching out to clubs and figuring out which exec members would have access.

VP External Relations – Jocelyn Lee

Jocelyn: Had website stuff, didn't really happen because of redesign. Professional Development, a lot of it was professional development coordinators. External organizations, looked at memberships with ESSCO, CFES, how we're benefiting. Conferences, weren't able to do this because website wasn't up. Had event hosted by people who went to Congress. This upcoming Tuesday, delegates who went to FYIC will be hosting event. Outreach stuff, wasn't a lot. Got $700 to use, did social media campaign for National Engineering Month. Extra stuff I did, small list. Mandates for the year, screenshot. Can ask specific questions if you would like.

P: one of your plans was to stop doing MES mailout, why?
Jocelyn: not necessarily stopping it. More a discussion, changed policy so that Director of PR, appointed position this year, will be responsible for it.
P: standard outline for what kind of events should be hosted after conferences for reimbursement?
Jocelyn: currently up to VPX, first year doing it. For now, VPX organizes it, maybe next year we'll put it into official policy.
P: mentioned at last SAGM that ESSCO was working on getting Patch database. Status?
Jocelyn: live. ESSCO.ca, a few patches are on there right now, can look at them.
P: said FYIC event was on Tuesday, but it's on Wednesday.
Jocelyn: yes.
P: button maker, ever considered in investing in patch maker?
Jocelyn: we were given a free button maker.
P: mentioned that you helped with two conferences. Which ones?
Jocelyn: helped plan bid for OEC and Conference on Sustainability in Engineering.
P: past year, CFES and ESSCO memberships were up for review. In event MES decided to remove either, what would have to happen in terms of who has a say?
Jocelyn: there is policy surrounding that. It would be a motion at council, motion would have end result BIRT that the MES leave the organization. Not necessarily at SAGM.

VP Finance and Administration – Liam McDermott

Liam: amount spent over 2 years. Large, I had to pay co-op for previous year. Recap from SAGM one. Worked on previous VP Finance's books. Review engagement. Collected student fees. Found proper data on membership fees, the amount of people we collect fees from. Also got printable cheques. Saving time. Created cash advance form. Groups who need money can borrow, interest-free, pay back to us at later date. Form holds them accountable. Student Space Enhancement committee. MES Census. Faculty wants to do

census on student engagement, going to work with them. Platform not completed, census is being worked on in the future. Student Space Enhancement Committee, little behind schedule. Looked into getting TVs, plan at last council meeting is asking for $20,000 for TVs, whiteboards, more tables and chairs for more people. Financial literacy and awareness, Desmond & Julian, got delayed, but EOHSS approval for graduating students, financial awareness. Showing budget soon for financial awareness, did not create a document explaining each budget line. Spent over $300,000 on co-op fees for 2016-2017. This year, spent $65,000 on surplus campaign items. Changes to student fees, did increase it to keep up with inflation. CPI, consumer price index, measurement of inflation. Executive chose to increase by $1.66 to maintain current levels of purchasing power. Budget, some clarification. Budget won't show Fireball and Kipling sales. Also, books have yet to be closed. Not final budget for year, even when books are closed numbers will be different because there will be disagreements with accountants during review engagements. Show budget. Various expenses, incomes. Again, things will change as more expenses come in. Comparison chart on how money was spent. Biggest is co-op.

P: on financing report, audit cost almost twice what was projected.
Liam: had to pay for Nick's audit from previous year, so two audits.
P: surplus was around $30,000, why are we increasing student fees?
Liam: books haven't closed, still a lot of expenses to come in. Also, deficit, spent money from our surplus, $65,000. Will actually have deficit this year.

VP Academic – Luka Samac

Luka: Platform. Merge ARC and SAAP. Ran trial this year, going to be making suggestions to next VP Academic in terms of policy. Events with alumni, kind of fizzled out because working with alumni office was difficult. Alumni advisory board, aimed to have alumni come back and critique programs and courses, couldn't happen because of politics and policy we have at McMaster, things that were outside of my control that I didn't know about until I was in my position. Website, had idea of creating a database of courses that Mac Eng offers, listing resources. Faculty didn't like the idea of us having their products on our site. We can't advertise it for them, especially if we make a mistake. MSU somehow got around that and they have something on their website for resources. Macdemics does it. MATLAB, faculty is super onboard. Motioned at curriculum policy meeting, it was passed unanimously, to get rid of Maple.

P: can you explain in more detail what that point was about?

Luka: platform point, lobby the faculty to restructure how students learn it, make better system. I felt that MATLAB was insufficiently taught, wanted something better. If you want a better understanding, math department kind of set up MATLAB to their courses as supplement. Didn't think of it as formal education. Faculty saw that it was in curriculum, thought that it was enough. Miscommunication, faculty was eager to fix things. Mitchell, Roberta, Becca, Leisha all helped with it. Faculty listened to the group of us. Agreed to extinguish Maple, all engineering professors agreed that it's not very useful anymore in industry. MATLAB, look at ways of teaching it. Make supplementary videos for reference. Bigger issue, looking at idea of having undergraduate engineering TAs for 1ZC3. If that's successful, MES created jobs. Also looking at creating bonus tutorial type things. Like Epic labs for 1D04, but with 1ZC3 and MATLAB.

P: MATLAB tutorials, students in first year will get taught MATLAB? How it works, formal education in class?
Luka: no, not the way it is right now. No way to implement system for students to have in-class instruction in courses we already have without increasing number of units.
P: increasing one of the math courses to 4-unit course with lab?
Luka: that was in discussion. Would have been 1ZC3, decided to go against it. Mostly faculty's decision, didn't want to burden students with another lab, more units, more money.
P: do you ever foresee another programming class for MATLAB? Replace one we have?
Luka: potentially. Don't think it will replace 1D04, that's strictly computation, not same sort of errors or programming style in MATLAB.

President – Michael Meier

Mike: outgoing president. Position, overarching, direction, vision kind of role. Involved in different services, activities in MES. Hatch center. Three things, room booking didn't happen. Became a hassle, wanted it on the MES website, that didn't happen. Project got out of hand, was busy in second term dealing with elections. Clubs office and storage spaces got done, storage spaces will be done for summer. Little room on first floor with some shelves, securing the shelves. Clubs office is ready, clubs and teams who requested it have been occupying it. Student Space Enhancement committee, that's up and going. Next, advocacy initiative. MSU health insurance, that was at SAGM I, moving on. Civil structure, it's coming back on campus. A lot of graduating students helped to set that up, going to be working over the summer. Also worked on elections. They sucked. MSU elections department had a lot of issues with Simply Voting system. Our elections were postponed this year, turnout took a toll. Reached out to MSU elections, student list, didn't really receive confirmation. Once voting day was supposed to open, no one was actually registered. Elections committee from MES got in contact with MSU election department. Didn't have a lot of communication on their end. Thought about backup plan, idea to use Avenue to Learn for quizzes. MSU Deputy Returning officer got back to us, she did our elections for us. Had to do everything from scratch again, why it was postponed so late. Same issue with some emails not being sent out, sorry, we did everything we could. Because there's problems with relying on other organization for something so important, getting own voting system. MSS (science) and MSSS (social sciences) are interested in joining us, we will be administrators of the system. Another point, stronger foundation. Restructuring first year representatives, reviewing that in council in two weeks. Working with program reps, didn't happen because elections/Hatch took precedence. Passing it along to Liam, working on making department reps better structured, more foundation. Redsuit revamp, postponed because of other things that have popped up. Going to continue working on that over summer, making sure it doesn't die after my term.

P: postponed, any update?
Mike: reviewed the comments from the townhall meetings. Comments from google form, website. Established a way of how I want to figure out the final plan. As I see it now, will come up with full plan, giving it to you guys, you shred it apart, I redo it. Not sure about means, but that's the plan.
P: timeline?
Mike: will probably bring it back to people in the Fall.
P: any progress on turning Hatch into 24-hour student space?
Mike: in first term, discussions with treasurer of faculty, she's in charge of assets that faculty owns including buildings. She said no, wanted to have more conversation with her during Hatch operating committee meeting. Had to talk about more pertinent things like safety training. Other things piled up. Something we still want to work towards.
P: know things going on with voting isn't your thing. Noticed that candidates running unopposed didn't have reject option
Mike: usually we have non-confidence and abstain. This year, after election was running, noticed there was no non-confidence option. Only for this election, decided to continue running it. Only got results at 5:30 today. Decided if abstain was high enough we would count as non-confidence.
P: lockers on second floor Hatch, what are they? How do we use them?
Mike: intended to be project lockers. Capstone, personal project, can rent it out. Looking at it again, thought it might not be the best use for it. That project fell aside, will be in transition for Liam for next year. Will be for students, not sure what exact purpose will be.
P: room bookings, planning on moving forward with it?
Mike: ideal, right now people just hoard rooms. Should be able to book it out, equal opportunity.
P: seems a lot of Hatch projects didn't happen. What really took focus away from it?
Mike: a lot of executive jobs are based on day-to-day things to make sure MES is staying afloat. Could have made a position within MES to work on Hatch, instead put it under myself and Dani. Just didn't have enough space in portfolios, didn't realize amount of work until we got into it. Projects we are working on, should hopefully be ready by September.
P: do you plan on having Hatch position on MES?
Mike: planning on having appointed position.
Liam: appointed positions, forgot about Hatch. Over next couple days will add to appointed positions, make post about it to advertise.
P: final turnout for general election?

Mike: for the larger general positions around 200-350 voters. Smaller department reps depended on size of program, all reached quorum.
P: 3% seems like low number to be minimum. Why is it so low?
Mike: that has been for 4+ years, don't know when it was initially established. Pre-2012. Probably has been contested, if that's something you want to see change in, talk to incoming executive, department representatives. That would have to go through a presentation and motion at council meetings.
P: talking about not liking people squatting in Hatch. Take into account that booking system won't fix that? People can book room for whole day?
Mike: want to do it same was Thode does it, limit to how much time each person can book out. System can track who's booking what hours.
P: positions that weren't filled, by-election?
Mike: by-election in coming weeks. AVP services, management rep. Want to apply, nomination form off MES website. Will run like regular election. Nominations open tomorrow, hand them in to CRO mailbox in D.W. Lounge, JHE H101.

Ratification of Incoming Council members

P: what happens with positions not being ratified?
Mitch: can still operate, supervisory role will ultimately be responsible for their actions/responsibilities until ratified at SAGM 1 next year.

Executive
VP Student Life – Kat Lemos (majority for, 0 opposition, 3 abstentions, ratified)
VP External – Melissa Cusack (majority for, 0 opposition, 2 abstentions, ratified)
VP Finance – Nicholas Aubry (majority for, 0 opposition, 1 abstention, ratified)
VP Academic – Ian Currie (majority for, 1 opposed, 0 abstentions, ratified)
President – Liam McDermott (majority for, 0 opposition, 9 abstentions, ratified)

AVPs
AVP Events – Leisha Fernando (majority for, 0 opposition, 11 abstentions, ratified)
AVP Clubs and Sponsorship – Erin Nunn (majority for, 0 opposition, 1 abstention, ratified)

Department Representatives
Engineering Physics – Desmond Kennedy
Mechatronics – Hassan Elaghoury
Materials – Amy Gullins
Electrical and Computer – Aya Aboughanem
Chemical – Cassandra Strothers
BEAMS – Kaylie Lau
Civil – Brendan Tomaiuolo
Software – Alexie McDonald
Society – Andrew Aslanidis
Computer Science – Natasha Varghese
B. Tech – Aras Siddiqui

Majority for
0 opposition
0 abstentions
Ratified

OEC 2019 Co-Chairs
Tommy Siuda & Keith Onderisin

Majority for
3 opposition
0 abstentions
Ratified

Motion 3.14: Pi Day Fundraising

Motioned by: Linford Rodrigues
Seconded by: David Hobson

BIRT the following are the fundraising goals:
$75 - previous AVPs get pied
$100 - previous VPs get pied
$125 - incoming AVPs get pied
$150 - incoming VPs get pied
$ 200 - previous and incoming president get pied
$ 300 - Culture Coordinators get pied with genuine pies
$ 3141.59 - whipped cream slip n' slide at SAGM
$ 1 - Lizzy gets to eat pie

Linford: we're culture coordinators. Raising more money for Pi day. Some goals. If you want pie people, certain goals, will be walking around with eng mugs. Donations go to Ronald McDonald house.

Clean up! Garbage bags will be provided and sent around the room. Please help clean the room and areas around you.

Final Quorum Count - Please sit with your Department Members!

Mike: there was a referendum for iBiomed, stay under MES or go. Voted to stay as program member within MES.

Motion to Adjourn Meeting

Motioned by: Michael Meier
Seconded by: Keegan Amy

Majority for
16 opposition
0 abstentions
Motion passes

MES Robert's Rules of Order:
Hand Signals Cheat Sheet!

General Rules:
- Raise your hand if you wish to speak
- You may only speak if recognized by the chair (CRO)
- The chair keeps a running speaker list, so, for the most part, the order in which you put your hand up is the order in which you will speak
- All "quick points" take precedence
- All "direct responses" will speak before the next "new point"
- Try not to repeat points other people have already made

New Point
Do you have something *new* to say that doesn't have anything to do with the current discussion? Use this!

Direct Response
Do you want to be involved in the current discussion? Do you have a direct response to something that has been said. Is your speaking point *a part* of the current discussion?
Use this!

"Quick" Point
Do you have a quick question that will be answered in one sentence?
Ex. Clarification ("what does that abbreviation stand for?"), Informational ("How much was budgeted for that?"), etc.

I Agree
Instead of repeating what someone else said and making the conversation circular, if you agree, simply put a thumbs up.

Circular Motion
(Try to avoid)
Make this hand signal if you think discussion is becoming circular (ie. people are repeating the same thing). If the chair recognizes enough signals, the discussion will be ended.