



THE ENGINEERING SOCIETY
OF QUEEN'S UNIVERSITY

Council Meeting Agenda

Engineering Society of Queen's University

Friday, September 18th, 2020

4:00 pm, Video Conference

- I. Attendance
- II. Adoption of the Agenda: Motion 1
- III. Adoption of the Minutes: Motion 2
- IV. Break
- V. Speakers Business
- VI. Presentations
 - i. QCLI
 - ii. QVFT
 - iii. Queen's ReCon
 - iv. QCTF
 - v. MetSoc
 - vi. NSBE
- VII. New Business: Motions [3-8]
- VIII. Statements and Questions by Members.

Speaker: Thomas Wright
Secretary: Jessica Sanderson

Minutes: September 18th, 2020

Council Start Time: 4 pm

I. Attendance:

Name	Position	Voting
Spencer Lee	President	Yes
Alex Koch-Fitsialos	VPSA	Yes
Ben Zarichny	VPOps	Yes
Thomas Wright	Director of Governance	No
Thomas Mulvihill	Policy Officer	No
Brian Seo	Director of Clubs & Conferences	No
Jessica Sanderson	Clubs Officer	No
Nathaniel Pauze	QCTF Co-rep	No
Ted Brownlow	QCTF Co-rep	No
Raed Fayad	QCTF Co-rep	No
Judah Cooper	QCLI Representative	No
Aishat Usman	MetSoc Co-rep	No
Susanna Zhang	MetSoc Co-rep	No
Nicolas Wilkinson	ReCon Representative	No
Patrick Singal	QVFT Representative	No
Genevieve Norris- Roozmon	NSBE Representative	No

Motion List and Minutes

II. Motion 1

Whereas: An agenda was made;
& whereas: we need to approve it;

BE IT RESOLVED THAT:

Council approve the agenda of the Council meeting of Friday, September 18th, 2020, as seen on the Engineering Society website.

Moved by: Thomas "Practice Council" Wright
Seconded by: Alex "Makes perfect Council" Koch-Fitsialos

No opening, debate, or closing. All for. Motion passed. No abstentions.

III. Motion 2

Whereas: It's been many months since the AGM;
& whereas: Del made the minutes for it and they need to be approved;

BE IT RESOLVED THAT:

Council approve the minutes of the Annual General Meeting of Friday, March 20th, 2020, as seen on the Engineering Society website.

Moved by: Thomas "How many minutes since AGM?" Wright
Seconded by: Jessica "Too many to count" Sanderson

No opening, debate, or closing. All for. Motion passed. No abstentions.

IV. **Break**

V. **Speakers Business**

VI. **Presentations**

i. **QCLI:**

Presented by Judah Cooper, President.

queensbrainwaves.com

About: Neurotech research team.

Benefits: Working with elec, mech and comp skills, research opportunities, industry connections, and data science.

Ratified by AMS this year, worked on development of EEG in early 2020. Bitbrain partnership.

Q: Spencer Lee (EngSoc President); Insurance issues with human trials and research, how are they testing?

A: Judah Cooper; Been in contact with council pre-Covid, but online data sets for now. Will look into this post Covid.

Q: Spencer Lee; (EngSoc President); How do you know that there is interest and what do you expect it to be?

A: Judah Cooper; A lot of interest already, as tech improves, demand will rise.

ii. QVFT:

Presented by Patrick Singal, Managing Director. qvft.com

About: First of its kind, undergrad vertical farming, goal is to start a vertical farm at Queen's. 20 members now, interdisciplinary. Uses 95% less water than traditional farming.

Covid plan: 2D design into 3D CAD model but revised to finish 3D CAD model.

Software team is working on sensors and hope to start building physical prototype next year.

ZIPGROW offered a \$200,000 vertical farm at Queen's, hopes to install in the next year.

Long-term, iterate on prototype and produce lettuce and kale, and give back to community.

Q: Spencer Lee (EngSoc President); One thing that you touched upon was about selling the produce that you grew. Just a note that EngSoc is a non-profit and there cannot be any businesses under EngSoc so any money gained could not be used as profit and would have to be donated.

A: Patrick Singal; Hoping to run student run business under ZIPGROW, efforts will be kept separate off EngSoc. Main goals are charity and education.

iii. Queen's Recon:

Presented by President Nicholas Wilkinson.

About: Seeks to connect engineers with companies and projects throughout the year.

Covid Plan: Plan to acquire five new clients by the end of the year, connect members with clients by Winter 2021.

Q: Spencer Lee (EngSoc President); Was the overlap with professional development and this club intended and noted for workshops etc..., if so, was there any intention to make them separate?

A: Nicholas Wilkinson; Not considered and will be investigated.

iv. QCTF:

Presented by Nathaniel Pauzé, Ted Brownlow, and Raed Fayad.

About: Cyber security capture the flag event. Participants use knowledge of math, logic, and comp sci to complete challenges.

Goal is to help gain hands on experience in the industry. They have enough money from Amazon to cover the costs for the event.

Covid Plan: Not affected by Covid. Plan to be held Nov 21-22nd 2020.

Q: Spencer Lee (EngSoc President); What topics would the competition revolve around because I am interested to see how our engineering membership would be interested in this?

A: Nathaniel Pauzé; Reverse engineering, cryptography, general computer, security, and software.

Q: Alex Koch-Fitsialos (VPSA); Is this event friendly to newcomers? What prior skills are needed?

A: Ted Brownlow; Yes, with an equal distribution of difficulties, hint system.

Q: Brian Seo (Director of C & C); Once the conference is established, how would you expand beyond the university scope?

A: Part of future expansion plan, reaching to other universities. Nothing prohibiting other students from joining online.

v. MetSoc: Presented by Susanna Zhang (President), and Aishat Usman (Vice President).

Goals: Talks, lecture series, mentorship program, conferences in metallurgical and material science field.

Covid Plan: Virtual speakers and conferences, promoting safe practices through public health, entirely virtual settings, regular online meetings.

Some goals are to maintain starting balance and students by end of 2020. Improve funding and start in-person meetings and socials. Industry focused fieldtrips in 2023 within and outside of Kingston.

vi. NSBE: Presented by Genevieve Norris-Roozmon, President.

Goal is to provide support and mentorship with Black-identifying Queen's Engineering Students. Host programs to develop student interest in engineering, promote participation at all levels of responsibility in the field of engineering. Monthly club events, and regular club events.

Covid Plan: Virtual mentorship, socially distanced events, sharing resources online, community established meets.

Free of charge membership but there is a NSBE membership fee which can be paid to access more resources.

Q: Ben Zarichny (VPOPS); Who handles finances?

A: Genevieve Norris-Roozmon; The president at the moment.

Q: Spencer Lee (EngSoc President); Any general membership interest?

A: Genevieve Norris-Roozmon; Already 9 mentors (upper year and alumni engineering students) matched with 9 mentees (incoming first years and upper years). We already have a handful of students interested in general membership.

Q: Jessica Sanderson (Clubs Officer); Could you please repeat the answer to Ben's question?

A: Genevieve Norris-Roozmon; The president handles finances.

VII. New Business: Motions [3-8]

Motion 3

Whereas: A new conference is doing cool stuff
& whereas: They need to be ratified;

BE IT RESOLVED THAT:

Council approve the ratification of Queen's Capture the Flag as an EngSoc affiliated conference as seen in Appendix "QCTF".

Moved by: Brian Seo

Seconded by: Nathaniel Pauzé

No opening, debate, or closing. All for. Motion passed. No abstentions.

Motion 4

Whereas: A new club is doing interesting stuff;
& whereas: They need to be ratified;

BE IT RESOLVED THAT:

Council approve the ratification of Queen's Cerebral Language Innovation as an EngSoc affiliated club as seen in Appendix "QCLI".

Moved by: Brian Seo

Seconded by: Judah Cooper

No opening, debate, or closing.

Q: Spencer Lee, President; How many members in this club currently?

A: 10 people in club now.

All for. Motion passed. No abstentions.

Motion 5

Whereas: A new club is doing intriguing stuff;
& whereas: They need to be ratified;

BE IT RESOLVED THAT:

Council approve the ratification of Queen's University Metallurgical and Materials Society Student Chapter as seen in Appendix "MetSoc".

Moved by: Brian Seo

Seconded by: Aishat Usman

Thirded by: Susanna Zhang

No opening or closing.

Statement by Spencer Lee, President, to MetSoc: I would just like to say thank you for how in depth your presentation was and that is why I did not have a question for it.

All for, motion passed.

Motion 6

Whereas: A new club is doing fascinating stuff;
& whereas: They need to be ratified;

BE IT RESOLVED THAT:

Council approve the ratification of Queen's Engineering Research and Consulting as an EngSoc affiliated club as seen in Appendix "ReCon".

Moved by: Brian Seo

Seconded by: Nicolas Wilkinson

No opening or closing.

Statement by Nicholas Wilkinson: If anybody has further questions they need cleared up, please ask, and I can provide more information.

All for, motion passed.

Motion 7

Whereas: A new club is doing impressive stuff;
& whereas: They need to be ratified;

BE IT RESOLVED THAT:

Council approve the ratification of Queen's Vertical Farming Team as an EngSoc affiliated club as seen in Appendix "QVFT".

Moved by: Brian Seo
Seconded by: Patrick Singal

No opening or closing.

Q: Spencer Lee, President: Wondering if able to use space in BioSci due to Covid, if not, what are your contingency plans?

A: Might not be possible this year, as we must wait on ZipGrow. Contingency plan would be to not install ZipGrow farm.

All for. Motion passed. No abstentions.

Motion 8

Whereas: there is still a global pandemic;
& whereas: the society must continue its operations;
& whereas EngSoc council is ready to resume in its full capacity;

BE IT RESOLVED THAT:

That council approve the Engineering Society Executive return all council and AGM powers to the Engineering Society Council, effective Tuesday September 22nd, 2020.

Moved by: Spencer "Council" Lee
Seconded by: Ben "Is" Zarichny
Thirded by: Alex "Back" Koch-Fitsialos

No opening or closing.

Q: Spencer Lee, President; Since we haven't ratified NSBE yet, once we gave up our abilities, would we not be able to ratify NSBE?

A: Thomas Wright, Governance; I think it goes into effect next council.

Q: Spencer Lee, President; So should it say next council then?

A: Thomas Wright, Governance; How about we change it to effective Tuesday, September 22nd?


All for. Motion passed. No abstentions.

Motion 9

Whereas: A new club is doing exciting stuff;
& whereas: They need to be ratified;

BE IT RESOLVED THAT:

Council approve the ratification of Queen's National Society of Black Engineers as an EngSoc affiliated club as seen in Appendix "NSBE".



Moved by: Brian Seo

Seconded by: Geneviève Norris-Roozmon

No opening or closing.

Geneviève Norris-Roozmon: Sorry if anything was unclear, there is more information in the charter if needed.

All for. Motion passed. No abstentions.

VIII. Questions and Statements:

Spencer Lee, President: I just wanted to say congratulations to all the teams that got ratified and I am excited to see all the work that you do. In that work, I would like to see you representing EngSoc and I am glad to see more teams joining in the fold and I hope you all have a great year.

Patrick Singal; QVFT: I was wondering if ratification will put the teams on the website?

Alex Koch-Fitsialos, VPSA: Yes

Brian Seo, Director of Clubs and Conferences: Congratulations and welcome to EngSoc for all the clubs that just got ratified. We will be in contact with you soon to catch you up to speed with what we have been working on.

Motion to close council; Moved by Ben Zarichny; Seconded by Spencer Lee; all for; motion passed.