

Mathematics Society Council Minutes

November 13, 2013

The regular meeting of the Mathematics Society Council was called to order at 6:17 PM. The Speaker was in the chair and the Secretary was present.

The following voting members were in attendance, on time:

- Stéphane Hamade (President; Feds Math Councillor)
- Catherine Sun (VPA)
- Jazbel Wang (VPE)
- Matthew Cheung (VPF)
- Haris Hyder (VPO)
- Josh Tsai (AS; Speaker)
- Isabel Ji (AS; Secretary)
- Sean Hunt (PM, AM, C&O; Senator at-large)
- Febrian Sidharta (Stats; CRO; Feds Math Councillor)
- David Wang (Business)
- Kevin Shi (SE)
- Xujin Ma (Stats)
- Katherine Liu (First-Year)
- Keegan Parker (First-Year)
- Tristan Potter (First-Year)
- Michael Tu (SE)
- Andy Baek (First-Year)
- Bryan Qiu (First-Year)

The following voting members were not in attendance:

- Paul Song (AS)
- Willis Liu (Math Studies)
- Taruna Kaur-Singh (Business)
- Elizabeth McFaul (Business)
- Abby Hu (Business)
- Sumit Singh (CS)
- Jessica Chau (Business)

The following non-voting members were in attendance:

- Elana Hashman (CSC President)
- Simone Hu (MathSoc Executive Assistant)

The following guests were in attendance:

- David Xu (Student at-large)
- Cheryl Pflug (Feds Accounting Manager)
- Ifaz Kabir (PMC, VPF)
- Helen Hu (Proposer - UWMBN)
- Mikey Jiang (Student at-large)
- Gayle Goodfellow (Representative of the Dean)
- Alice Wu (Proposer - UWMBN)

- Wayne Chang (Proposer - UWMBN)
- Aidan McKay (Proposer - UWMBN)
- Aili Huang (Proposer - UWMBN)
- David ____ (Proposer - UWMBN)

Cheryl Pflug, Feds Accounting Manager, presented the results of the MathSoc financial audit. The auditors recommended more communication between the Feds accountants and the MathSoc President and VPF. Send any inquiries to cpflug@uwaterloo.ca.

David Xu and Mikey Jiang presented a proposal to install digital signage in the CnD.

Sean moved to task the Space Committee to consider the digital signage proposal and report back by the next council meeting.

The motion was adopted.

Helen Hu, Wayne Chang, Aidan McKay, Alice Wu, and Aili Huang presented a proposal for the formation of a new MathSoc club, the University of Waterloo Math and Business Network.

Sean moved a motion, which after debate and amendment, was to move the adoption of the following resolutions:

Whereas the University of Waterloo Math and Business Network has proposed to become a MathSoc club, and does not fit the present definition of a club; and

Whereas at present, the Math Graduation Committee and the Women in Mathematics Undergraduate Committee do not operate in accordance with their respective policies; therefore be it hereby

Resolved, MathSoc Council is generally supportive of the UWMBN becoming an established part of MathSoc;

Resolved, a special committee is established to:

- 1. Investigate the current structure of the Math Graduation Committee and the Women in Mathematics Undergraduate Committee;*
- 2. Determine the best form of relationship between MathSoc and the University of Waterloo Math and Business Network;*
- 3. Assist the UWMBN in developing their proposal to MathSoc Council; and*
- 4. Recommend whatever status changes and policy amendments the committee feels are needed to allow for MGC, WiMugrad, and UWMBN to have the best possible relationship with Council and the students that they serve;*

Resolved, the committee shall consist of _____, as chair, and the President, the Clubs Director, _____, and _____.

Resolved, the committee shall consult with MGC, WiMugrad, UWMBN, and the existing clubs; and

Resolved, *the committee shall report back to Council before the end of January 2014.*

The motion was adopted.

Sean was selected as chair of the special committee. Kevin and Tristan were selected as the two other members of the committee.

Stéphane seconded Elana's motion to allocate \$108 to the CSC to supplement the purchase a 750GB SSD using MEF funds. The motion was adopted.

Febrian moved to take from the table the previous motion to change MathSoc Policy 1, Elections Procedure Part 1.5.6: Resolution from

The elections shall be resolved through the Schulze STV Method, as described by Martin Schulze in the 2011 paper Free Riding and Vote Management under Proportional Representation by the Single Transferable Vote. The Schulze STV Method generates an ordered ranking of all possible sets of candidates of size equal to the number of available seats. For each term, the highest set in the ranking containing only candidates eligible for that term shall be the winning set; in the event of multiple such sets, if any are disqualified (per the definition in the paper) by other such sets ranked equally, then they shall be discarded. If there are still multiple sets remaining, then the winning set shall be selected by use of the tiebreaking vote; the sets shall be ordered by the tiebreaking vote, and then the first set in lexicographic order under the tiebreaking vote shall be the winning set.

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The elections shall be resolved through the BC STV Method.

For each term, candidates that are not eligible for that term shall be excluded from calculation.

For election for single seat, if there is a candidate that gathers the majority of the highest ranked votes, the candidate shall be elected; if there is no such candidate, the candidate with the lowest amount of votes shall be excluded from the calculation and their vote shall be distributed to the next highest ranked candidate in the vote. This method shall be repeated until there is a candidate with the majority of the votes.

For elections of multiple seats, the quota to be elected is number of votes/(number of seats available + 1). If there is a candidate that gather more votes than the aforementioned quota, the candidate shall be elected and their votes' weight shall be discounted to $1 - \text{quota}/(\text{elected candidate's number of votes})$ and redistributed to the next highest ranked candidate in the vote; if there is no such candidate, candidate with lowest amount of votes shall be excluded from the calculation and their vote shall be distributed to the next highest ranked candidate in the vote without any discount. This method shall be repeated until all seats are filled or there is equal number of candidates with seats available.

Should there be a tie, the highest ranked candidate in the tiebreaking vote shall be elected.

The motion was defeated 1-3.

Stéphane moved to appoint _____, _____, and _____ to the VPF Selection Committee, which will be tasked to recommend a Winter 2014 VPF candidate to council. The motion was adopted.

Matthew was selected as chair of the VPF Selection Committee. Febrian and Simone were selected as the other two members of the committee.

Isabel moved to task the President with preparing and distributing a survey to gather Math students' opinions on the addition of a Fall Reading Week. The motion was adopted.

Sean moved to strike the sentence "Expenditures of membership fees must be approved by Council" from the first paragraph of MathSoc Policy 6, Clubs Policy Part 6.3.1: Budget.

Sean moved to postpone the motion until the next Council meeting. The motion was adopted.

Febrian moved to amend sentence in the first paragraph of MathSoc Policy 1, Election Procedure Part 1.3.1: Nominations from

Five members shall be required to endorse a nomination for a Representative seat, and ten members shall be required.

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*Five members shall be required to endorse a nomination for a Representative seat, and ten members shall be required **to endorse a nomination for an Executive seat.***

The motion was adopted 12-0.

Febrian moved to dispose of the ballots used during this meeting. The motion was adopted.

The meeting was adjourned at 9:14 PM.