

2019 Mini-GEM Steering Committee Meeting

December 8, 2019 – Holiday Inn Golden Gateway, San Francisco

Present: - Paul Cassak (Chair), Vania Jordanova, Allison Jaynes, Yihua Zheng, Adam Kellerman (via Zoom), Lynn Kistler, Lisa Winter, Steve Petrinesc, Hyunju Connor, Raluca Ilie, Chris Mouikis, Shin Ohtani, Chih-Ping Wang, Seth Claudepierre, John Lyon, Matthew Cooper, Agnit Mukhopadhyay, Brian Walsh, Chia-Lin Huang (via Zoom), Matina Gkioulidou, Alex Glocer, Joe Borovsky, Howard Singer, James McCollough, Thomas Elsdon

1. Welcome/Agenda (Paul Cassak)

2. NSF GEM Program Director report (Lisa Winter)

- New NASA/NSF proposal call for developing next generation software for data-driven models of space weather with quantified uncertainties
- Still soliciting GEM proposals, three proposals already selected this year
- Winner of NSF/Early Career Research award: Raluca Ilie

3. Meeting Organizer report (Chia-Lin Huang)

- Received good feedback from CEDAR-GEM joint day meeting on June 22, 2019 (Saturday) in Santa Fe
- The 2020 back to back meeting with SHINE in Hawaii: Contract is being finalized and signed
- There will be a joint GEM-SHINE day on the Saturday between the two summer workshops
- The summer workshop in 2021 will be in June 20-25, decision on location has not been made yet
- Looking for a design of a new GEM logo for the 30th anniversary

4. Student report (Matthew Cooper)

- They hosted the annual student townhall in the morning; got about 40% response from student day; working on updating the student tutorials

5. Liaison report (Howard Singer)

- The next annual Space Weather Workshop will be held in Boulder, CO, during April 20-24, 2020

6. Focus Group (FG) Proposals (Paul Cassak)

- Before starting the discussion, Paul reminded everyone about the voting rules and implicit bias
- There were six FG proposals submitted this fall; two FG ended in 2019 and 9 are remaining; there is no limit on the number of active FG in GEM beyond workshop logistics
- Discussed each proposal individually in order of receiving (discussion details redacted):
 - i. Cross-scale processes in the magnetotail plasma sheet and auroral ionosphere (XPSI) (Lead: Andrei Runov)
 - ii. Space weather forecasting with machine learning (Lead: Matthew Argall)
 - iii. Multi-scale heating and acceleration processes during plasma transport across the magnetopause (Lead: Xuanye Ma)
 - iv. The impact of the cold plasma in magnetospheric physics (Lead: Gian Luca Delzanno)
 - v. Cross-population kinetic- to global-scale interactions in the inner magnetosphere (X-Pop) (Lead: Kareem Sorathia)
 - vi. Self-Consistent Inner Magnetospheric Modeling (Lead: Chao Yue)

- Decided to accept only two FG, as two are concluding
- Discussed how to handle FG ii. on ML; agreed to offer them to organize a single instructional session during next summer workshop to broaden participation
- Voted (every voting member gets to vote for top two choices) - two new FG were selected, (iv) on cold plasma and (vi) on inner magnetospheric modeling

7. Metrics and Validation Resources Group (Cassak)

- The applications received from Alexa Halford and Josh Rigler to serve on the new GEM M&V resource group were discussed and accepted

8. Subcommittees (Paul Cassak)

- A subcommittee was formed to plan the GEM-SHINE joint day meeting on the Saturday before the 2020 summer workshop, consisting of Joe Borovsky, John Lyon and Brian Walsh, together with Paul Cassak and Vania Jordanova and representatives from SHINE
- Discussions were held about how to continue the GEM Messenger newsletter as Peter Chi has rotated off from his role as the Communications Coordinator: it was decided that the Chair and Vice-Chair will administer the newsletter, after the meeting organizers help with the transition from Peter Chi; new platforms outside of UCLA will be looked into

9. Student Poster Award Feedback Issue (Hyunju Connor)

- We have heard that students are getting hurtful criticism on student poster award evaluations
- It was emphasized that judges are already asked to give constructive feedback to students when judging their posters; an e-mail reminder to all judges before the summer workshop might be helpful to avoid any issues

10. Continue GEMStone? (Paul Cassak)

- Peter Chi as Communications Coordinator used to organize the GEMStone annual report; with his departure from this role, we need to decide whether/how to continue this report. CEDAR and SHINE do not have similar reports.
- It was decided that the GEMStone is still of value to the community and should continue
- The RACs will be responsible for compiling the reports from the FG Leads in their area
- Two at-large members of the SC will be responsible for collecting the reports from the RAC and from the Liaisons and compiling them into an annual GEMStone report:
- Allison Jaynes and Lynn Kistler volunteered for 2020

11. Discussion items tabled until next meeting:

- Anti-Harassment Policy, Code of Conduct – just received anti-harassment information from UNH a few days before the meeting; we will look into and discuss at a future meeting
- FG Term Logistics – we voted to allow FGs to ask for a fifth year and need policies for doing so; will discuss by email or at our next SC meeting (March/April)
- SC Term Logistics – we voted to change the terms and need to decide how to implement
- Should we require at least two candidates for open SC positions? We will discuss by email or at our next SC meeting (March/April)

12. Other items?

13. Meeting adjourned