

2019 GMAG Business Meeting Minutes, APS March Meeting, Boston

Location: Boston Convention and Exhibition Center, Session J36, Room 205C, March 5, 2019, 5:45pm – 6:45pm

GMAG Exec Comm Attendance:

Chair: Stephen Hill

Vice Chair: Geoff Beach

Past Chair: Chris Leighton

Secretary/Treasurer: Yumi Ijiri

Members-at-Large: Peter Fischer, Christian Binek, Vanessa Sih

Absent: Eric Fullerton (Chair-Elect), Elke Arenholz, June Lau, and Sara Haravifard (members at large).

Visitor: Jeff Lewandowski, Associate Publisher at APS

Chair Steve Hill began the meeting at 6 pm with an overview of the agenda.

Secretary/Treasurer report by Yumi Ijiri

2018 Meeting Minutes

Yumi reported that the minutes of the 2018 Business meeting can be found online for GMAG members to view: <http://www.aps.org/units/gmag/governance/minutes/upload/march18.pdf>

Election Results

The Election for 2019 officers ran November 7, 2018 – December 17, 2018. GMAG had 1198 members at that time and 24.0% of the membership voted. Julie Borchers was elected as Vice Chair. Yayoi Takamura and Luc Thomas were elected as Members-at-Large. Their terms begin at the close of the March Meeting. The business meeting attendees gave the three new officers a round of applause.

Yumi thanked all the candidates for their willingness to serve and thanked the Nominating Committee for putting together the slate of candidates: Peter Fischer (Chair), June Lau (GMAG Exec Comm member), Kristen Buchanan (GMAG member) and Robert Stamps (Council appointed member). She thanked as well the outgoing Executive Committee members for their dedicated service: Chris Leighton (Past Chair), Christian Binek and Peter Fischer (Members-at-Large). The audience applauded the outgoing members.

Membership status

GMAG had 1178 members as of January. That is an increase from 1131 members one year ago. 593 members are students. GMAG had 577 student members last year. APS total membership is 55,158. During the March Meeting 2018 membership drive, we got 43 new names for the 1-year free membership.

Financial Statements

Yumi reported on the financial statements through 12/31/2018, thus not including the cost of March Meeting activities in 2019. The net assets for 2018 were \$74,263.44. Revenue of \$19,131.80

came from Membership dues + GMAG's share of the March Meeting + investment income. Total expenses in 2016 were \$15,457.16. Net revenue was \$3,674.64.

Reminder of Outreach Grants

Call for Outreach Proposals: Outreach grants for up to \$5000 are available. Applications are accepted anytime by the GMAG Chair Eric Fullerton and will be considered by the Exec Comm. You can find more details on the Call for Outreach Proposals in the Newsletter and on the GMAG website: <http://www.aps.org/units/gmag/outreach/index.cfm>.

Sponsorships and Other Requests

We continue to contribute \$1000 to the APS International Research Travel Award Program, with Sara Haravifard acting as a reviewer representing GMAG. At the International Conference on Magnetism in San Francisco, we sponsored best poster awards for \$2000. At the Joint MMM/Intermag Conference in Washington DC, we sponsored 3 student travel grants for a total of \$2250. We anticipate being asked to sponsor something at MMM 2019 in Las Vegas.

Questions about the report: Peter Fischer asked if with rising GMAG membership and steady general APS membership, we were close to getting another slot for possible fellow selection. Yumi replied that she hadn't calculated the number recently, but thought we weren't yet close and still will have three slots.

Jeff Lewandowski, Associate Publisher

Jeff Lewandowski, the Associate Publisher of APS, stopped by to announce the launch of Physical Review Research, an all open-access journal, accepting papers in all fields. In response to questions, Jeff clarified that Physical Review Research will have selectivity on par with Phys. Rev. A, B, C, etc vs. the much more selective Phys. Rev. X. The price per article will be on par with some other journals (~\$2,200), but with some discounting at the start.

Program Report from Chair Steve Hill

Steve started with a statistics summary (more details on the ppt slides):

- 840 abstracts placed vs 886 in 2018
- This is 8.3% of the Meeting total vs. 9% last year
- 94 total GMAG sessions: 65 FT sessions, 7 symposia, and 22 additional co-sponsored with other units as lead (vs 88 total, 67 FT sessions, 11 symposia and 10 co-sponsored last year)
- 8 Focus Topics sponsored/co-sponsored: 59 invited talks, 65 focus sessions—very comparable to last year
- For the 7 symposia, 4 had GMAG as lead, even though we were allotted 5—10 nominations but a large number were incomplete

He noted the growing need for invited symposia nominations given a new change in invited symposia allocations from which it looks like GMAG will be given more slots for symposia in the future.

He listed the eight focus topics along with the names of the organizers and the number of sessions and invited talks they helped plan this year and in recent years past.

Steve commented on prizes going to GMAG members:

- The Valley Prize for a young scientist went to Julia Mundy, Harvard, *For the pico-engineering and synthesis of the first room-temperature magnetoelectric multi-ferroic material.*
- The McGrody Prize for New Materials prize was for Topological Materials, and shared by Bogdan Bernevig-Princeton, Xi Dai-Hong Kong Univ of Science and Tech, and Claudia Felser, Max Planck Institute.

Discussion: Steve then asked the attendees about thoughts regarding the focus topics, in particular trying to capture the topic of topological insulators and related materials. The audience was generally receptive to adding topological into the 10.1.7 category which currently reads: Chiral Spin Textures & Dynamics, Including Skyrmions. There was some debate as to whether Chiral is included in the word Topological and could be just replaced with Topological. We discussed tweaking the titles for 10.1.5 (currently Spin Dependent Phenomena in Semiconductors and 10.1.8 (currently Low Dimensional and Molecular Magnetism) as well in order to capture some 2D magnetism work that is also falling through the cracks along with spin physics related to magnetic qubits. The audience agreed to small rewording changes for next year.

Report from Vice Chair Geoff Beach

Fellowship Committee Report

The deadline for nominations was June 1, 2018; 15 nominations were received. As Chair, Geoff coordinated the Fellowship Committee with the voting members being the Executive Committee members at large. GMAG was allocated three fellow slots based on regular member numbers; the three nominees for GMAG sent forward from the Fellowship Committee were Adekunle Adeyeye, Hendrik Ohldag, and Chun-Yeol You. All three were approved by the APS General Fellowship Committee. Thus, this year's GMAG sponsored APS fellows are:

Adekunle Adeyeye, National University of Singapore

"For contributions to synthesis and characterization of magnetic nanostructures and their applications in low power magnonic information processing"

Hendrik Ohldag, SLAC National Accelerator Laboratory

"For contributions to unique insight into complex magnetic materials with unprecedented spatial and temporal resolution using novel x-ray techniques"

Chun-Yeol You, Daegu Gyeongbuk Institute of Science and Technology

"For experimental and theoretical contributions to emerging magnetic interfacial phenomena, including magnetization dynamics of spintronic heterostructures"

[There was a problem with the citation text on the ppt slide.] Hendrik Ohldag came up to receive his award certificate and pin and pose for pictures. [Adekunle Adeyeye was unable to attend due to visa problems; Chun-yeol You received his award later in the week.]

Nominations moving forward are due on June 3, 2019. Refer to:
<http://www.aps.org/programs/honors/fellowships/nominations.cfm>
<https://aps-fellowship.fluidreview.com>

Geoff stressed the need for nominations from the community, particularly to represent the diversity of the GMAG members.

Student Travel Awards: 31 applications were received (39 in 2017, 29 in 2016). They were ranked via email by Exec Comm. members at large. Twelve awards were given out this year, \$250 each. All winners should be present at the Business Meeting to receive their award, and they have also provided service to GMAG and APS by helping out at the GMAG membership table and/or Contact Congress Booth. There was good participation from the awardees in these activities. Geoff read the students' names, and they came to the front to receive their checks and certificates and pose for a group picture.

The 12 Student Travel Awardees are:

- 1 Ankita Anirban, University of Cambridge
- 2 Vipul Chaturvedi, University of Minnesota
- 3 Samiran Choudhury, S.N. Bose National Centre for Basic Sciences
- 4 Sayak Dasgupta, Johns Hopkins University
- 5 Kai Ellers, Amherst College
- 6 David C. Harrison, University of Minnesota
- 7 Hengzhou Liu, University of South Florida-Tampa
- 8 Victor H. Ortiz, University of California, Riverside
- 9 Lauren Riddiford, Stanford University
- 10 Paul Sass, Rutgers University
- 11 Meiyong Xing, University of Texas at Arlington
- 12 Tiancong Zhu, The Ohio State University

[Samiran Choudhury was unable to attend the conference due to issues securing finances; Meiyong Xing was delayed due to flight cancellations from the weather.]

Final award/close from Chair Steve Hill

Outstanding Dissertation in Magnetism Award: Steve presented the 2019 Outstanding Dissertation in Magnetism Award to Javier Pablo-Navarro, University of Zaragoza, thesis title: "Development and optimization of advanced functional magnetic nanostructures grown by focused electron beam induced deposition."

Other Business Steve asked if there were any other comments from the audience.

The meeting was adjourned at ~ 6:40 pm.

Respectfully submitted,
Yumi Ijiri
GMAG Secretary/Treasurer