

2016 GMAG Business Meeting Minutes, APS March Meeting, Baltimore

Date: Tuesday, March 15, 2016, 5:45pm-6:45pm

Location: Baltimore Convention Center, Room 314, Session J15

Refreshments and drinks served.

GMAG Executive Committee Attendance:

Chair: Jonathan Sun

Chair Elect: Suzanne te Velthuis

Vice Chair: Chris Leighton

Past Chair: Yves Idzerda

Secretary/Treasurer: Tiffany Santos

Members-at-Large: Ilya Krivorotov, William Ratcliff, John Cumings, Jonathan Friedman, David Lederman

Absent: Yuri Suzuki

Meeting started at 6:05pm.

Secretary/Treasurer report by Tiffany Santos

Election Results

2015 Election was held later than usual: April 23- May 21. GMAG had 861 members at the time and 27.8% of the membership voted. The winner for Vice Chair was Chris Leighton, and the winners for Member-at-Large were Ilya Krivorotov and David Lederman. Their terms began immediately at the close of the election.

2016 Election was on schedule and ran December 14 – January 22. GMAG had 988 members at the time and 27.0% of the membership voted. The winner for Vice Chair was Stephen Hill. The winners for Member-at-Large were Christian Binek and Peter Fischer.

GMAG thanked the outgoing Executive Committee members for their dedicated service: Past Chair Yves Idzerda, and Members-at-Large William Ratcliff and Yuri Suzuki.

Membership status

GMAG has 984 members as of January 14. This is an increase from the 908 members we had one year ago. 455 members are students. APS total membership is 53,096. Posters for the membership drive were designed and printed by GMAG member Hendrik Ohldag with the help of APS graphic designers. Thank you to Hendrik. Hendrik encourages people to take posters.

Financial Statements

This report includes financial statements through 12/31/2015 and thus does not include cost of March Meeting activities in 2016. The net assets for 2015 is \$69,747.92. Revenue of \$21,986.59 came from Membership dues + GMAG's share of the March Meeting + investment income. Total expenses in 2015 was \$26,255.68. Expenses were higher than previous years, mainly due to the funding of 2 outreach grants (\$5000+\$4900) and sponsorship of the Best Student Presentation Award at the Joint MMM/Intermag meeting in January 2016 (\$2250), which is a new sponsorship for GMAG. Net revenue was -\$4,269.09.

There was applause for spending more money this year!

2015 Meeting Minutes

2015 Business Meeting minutes can be found online:

<http://www.aps.org/units/gmag/governance/minutes/upload/march15.pdf>

The Best Student Presentation Award Sponsorship

GMAG sponsored the Best Student Presentation Award for the first time at the Joint MMM/Intermag Conference in San Diego in January 2016: \$1000 for the winner + \$250 for each of 5 finalists. The winner was Natalia Rinaldi-Montes (University of Oviedo): *"Breakdown of the Antiferromagnetic Order in Transition Metal Oxide Nanoparticles: A Matter of Size"*. The Executive Committee has decided to sponsor this award again at the upcoming 2016 MMM Conference.

Program Report from Chair Elect Suzanne te Velthuis

Here are the statistics for GMAG's sorting category #10 "Magnetism":
911 abstracts placed out of 921 submitted under category 10. This is 10% of the total number of abstracts submitted to the March meeting, ~9000. There are a total of 80 sessions: 65 Focus Topics, 2 regular and 13 symposia. There are 55 invited talks.

GMAG is allotted 5 invited symposia, and nominations were solicited from the membership. There were 8 nominations this year, down from 15 nominations for each of the 2 previous years. The symposia are selected by vote of the GMAG Executive Committee. We ended up having 13 total symposia, 8 of which were co-sponsored. GMAG gives a special thanks to the focus topic organizers.

There was a comment that there should be more collaboration with the quantum focus group – spins in the quantum regime.

Other GMAG activities at the March meeting include: Laura Heyderman was nominated by GMAG and received the Beller Lectureship. GMAG is sponsoring 4 tables for Lunch with the Experts. GMAG is hosting a Jobs Mixer for the first time: Session Q4, Wednesday 5:45-6:45pm, Hilton Baltimore Pickersgill.

Report from Vice Chair Chris Leighton

Fellowship Committee Report

The deadline for nominations was June 1, 2015. 16 nominations were received. There was a lively discussion among the committee. The Fellowship Committee consisted of Chris as Chair + the 6 Members-at-Large.

The 2015 GMAG sponsored APS fellows are:

Johan Akerman, University of Gothenburg and KTH Royal Institute of Technology, Sweden

Citation: For advancing the understanding of dynamics induced by spin-transfer torque, including the experimental confirmation of magnetic solitons, and for contributions to the development of magnetic random access memory.

Manuel Bibes, Centre National de la Recherche Scientifique, France

Citation: For seminal contributions to the materials physics of multiferroics and electric field control of magnetism.

Julie Grollier, Centre National de la Recherche Scientifique, France

Citation: For measurements of spin-transfer torque dynamics and the development of devices to implement biologically inspired computing.

Roland Kawakami, The Ohio State University, USA

Citation: For pioneering advances in understanding the magnetic properties of graphene, including mechanisms of spin lifetime and spin transport, and the role of adatoms in magnetic moment formation.

Roderich Moessner, Max Planck Institute, Dresden, Germany

Citation: For pioneering contributions to the theoretical study of new types of magnetism, particularly in topological spin liquids, including the resonating valence bond liquid; and of emergent monopoles in spin ice.

The deadline for nominations this year is June 1, 2016. Nominations can be submitted at:

<http://fellowship.aps.org>

Student Travel Awards

30 applications were received by email. They were ranked by the Executive Committee. There are 10 awards this year, \$250 each. The awardees came to the front of the room to receive their award certificates and checks.

The 2016 Student Travel Award recipients are:

Lakshmi Bhaskaran, Florida State University, USA

Dax Crum, University of Texas Austin, USA

Han Kyu Lee, University of California Irvine, USA

Michael Page, The Ohio State University, USA

Mariona Piris, Universidad Complutense de Madrid, Spain

Narayan Poudel, University of Houston, USA

MacCallum Robertson, Lawrence Berkeley National Laboratory, USA

Zhengjun Wang, West Virginia University, USA

Jie Zhang, IBM, USA

Chi Zhang, The Ohio State University, USA

Dissertation Award

Jonathan Sun announced the 2016 GMAG Student Dissertation Award winner:

Joseph Sklenar, Northwestern Univ. & Argonne National Lab, P18.00011: Spin-torque ferromagnetic resonance in arbitrarily magnetized thin films. He came to the front of the room to receive his award certificate and checks (\$500 award + \$250 travel assistance).

Status of the 2015 Outreach Grants

Jonathan Sun presents the status. There were 2 Outreach grants awarded last year. One to Prof. Ravi Hadimani at Iowa State University and the other to Prof. Axel Enders at the Univ. of Nebraska-Lincoln.

There have been no grants awarded yet for 2016. Proposals are accepted on a rolling basis. See the GMAG Newsletter for details on how to apply.

Proposed Changes to the GMAG Bylaws

Member-at-Large John Cumings presents the proposed changes to the Bylaws. All units were encouraged to update their bylaws when APS implemented a new governance structure in 2015. GMAG wants to update the Bylaws without changes to its unit practices. The APS Governance Committee reviewed and recommended required changes and also made some minor additional ones. The proposed changes are posted on the GMAG website for member review. John shows an example of one of the minor changes. The Executive Committee voted and unanimously approved the proposed changes. A vote by the membership, via online ballot, will promptly follow the March meeting. Adoption of the changes needs 2/3 of those voting to pass it. The new Bylaws will take effect immediately upon approval by membership vote.

The floor was opened up for discussion, and there were no comments from the members in attendance.

Other Business

No other business.

Applause for Jonathan Sun for being a wonderful Chair.

Meeting ends at 6:45pm.

Respectfully submitted,
Tiffany Santos
GMAG Secretary/Treasurer