

## **Minutes of GMAG Business Meeting, APS March meeting 2014**

Location: Room 110/112 Denver Convention Center, Denver, Tuesday March 4th, 2014, 5:45.

Meeting started at 6:00 pm

Attending:, **Past Chair:** Paul Crowell **Chair:** Mark Stiles, **Chair Elect:** Yves Idzerda, **Vice-Chair:** Jonathon Sun, **Vice chair elect:** Suzanne te Velthuis **Secretary/Treasurer:** Shireen Adenwalla, **Members-at-large:** Kristen Buchanan, Chris Hammel, Ollie Heinonen, Yumi Ijiri, William Ratcliff, John Cumings, Jonathan Friedman.

Absent: Tiffany Santos , Secretary, Yuri Suzuki, Member at large.

Mark Stiles calls the meeting to order.

### 1. Recognition of new APS Fellows by Mark Stiles

Mark Stiles said that we will start with the pleasantest part of the meeting. GMAG sent four nominations for fellows to APS and all four were accepted. The new GMAG sponsored fellows are :

- **Dmitry Garanin**, Lehman College

Citation: For his theoretical work that shaped research on molecular magnets and helped to develop a deep understanding of their magnetic properties.

- **J. Ping Liu**, University of Texas

Citation: For pioneering work in research on advanced permanent-magnet materials, including innovative work on bottom-up approaches to fabrication of nanocomposite magnets with reduced rare-earth content via novel techniques.

- **Josep Nogues**, Univ. Autònoma de Barcelona

Citation: For his significant contributions to the understanding and development of exchange bias in thin films, nanostructures, and nanoparticles.

- **Valentyn Novosad**, Argonne National Laboratory

Citation: For creative contributions to the fundamental understanding of the physics of nanomagnets, emphasizing magnetization reversal mechanisms, coupling effects, and dynamics of geometrically confined spin vortices.

All fellows were congratulated and presented with APS Fellowship certificates. In addition they were invited to have the privilege of shaking Mark Stiles' hand. All did.

Mark would like to recruit everyone in the audience to nominate those who have done good work in magnetism. The nomination deadline is June, so please keep that in mind.

### 2. Presentation of Dissertation Awards by Mark Stiles

Each year GMAG awards a few dissertation awards in magnetism. The level of competition is very high, and every year there are a few that stand out as being truly spectacular. The two awardees get a certificate, an invited talk, an honorarium and (once again) the privilege of shaking Mark's hand. Mark Stiles presented the two

dissertation award winners with a certificate and a \$500 check. He said that the winners will be giving an invited talk at this meeting and one should take the opportunity to attend their talks. We had numerous nominations and it was a difficult decision. The two winners and their invited talks are

**Radhika Barua**, Northeastern University

*Pathways for tailoring the magnetostructural behavior of FeRh-based systems (Z7.00001)*

**Chetan Dital**, Boston College

*Electronic Phase Separation and Magnetic Phase Behavior in the Ru-doped Spin-Orbit Mott Insulator Sr<sub>3</sub>Ir<sub>2</sub>O<sub>7</sub> (A4.00007)*

### 3. Students travel awards presented by Mark Stiles

Each year GMAG awards 10 travel awards with a \$250 contribution towards travel to APS.

All the student travel award winners were presented with a check for \$250 by Mark Stiles. The names and institution of the travel award winners are

**Ali C. Basaran**, University of California, San Diego

**Alun Biffin**, University of Oxford

**Michelle Elizabeth Jamer**, Northeastern University

**Se Kwon Kim**, Johns Hopkins University

**Xiaohui Liu**, University of Nebraska-Lincoln

**Steven A. Moore**, Temple University

**Cuneyt Sahin**, University of Iowa

**Simranjeet Singh**, University of Central Florida

**Sergei Wallace**, University of Alabama

**Seonghoon Woo**, Massachusetts Institute of Technology

Stephen Moore, Seonghwan Woo and Kim were not present to receive their checks.

4. The minutes of the March 2013 Business meeting were unanimously approved.

### 5. Election results

Mark Stiles announced the election results. The election for new committee members ran from January 3<sup>rd</sup> 2014 through February 4<sup>th</sup>, 2014. There were 279 ballots cast, a 30.3% response rate, of which only one was paper. Suzanne te Velthuis was elected to Vice Chair, Tiffany Santos to Treasurer/Secretary and John Cumings and Jonathan Friedman to the Executive Committee as Members-at-Large.

William Ratcliff chaired the nominating committee with the aid of Yumi Ijiri, Craig Fennie and Stefan Mangin.

Mark Stiles thanked the Past Chair, Paul Crowell, the outgoing Members-at-Large, Kristen Buchanan and Ollie Heinonen and the outgoing Secretary/Treasurer, Shireen Adenwalla

6. Secretary/Treasurer's Report. Shireen Adenwalla described the GMAG finances and membership. Membership has decreased (917 this year compared to 962 last year). Funds of \$71,876.71 were available in 2013 compared to \$62,458.56 in 2012, \$54,713.59 in 2011, \$47,610.47 in 2010 and \$41,253.26 in 2009

There was a net increase in our funds of \$9,418.15, which will be substantially reduced once the outreach funds of \$5,000 are paid out. Our revenue is \$20,363.55 (investment income, March Meeting income, and membership) and our outlay was \$10,945.40 (meeting meals/facilities, postage, travel, and others such as student awards or ITGAP support). Keep in mind that there will be an additional outlay of \$5000 for the outreach as well as some reimbursements for APS Sorters' meeting. The financial report was approved unanimously.

7. GMAG Program Chair's (Yves Idzerda) Report: GMAG is responsible for Sorting Category 10. Yves Idzerda said that magnetism related papers (Sorting Category 10) for the March 2013 meeting accounted for 9.3% of the March Meeting total, down from 10 % the year before, ~742 papers, down from ~774 of the previous year and was the second largest sorting category. These abstracts represented a total of 72 sessions including 63 sessions in the 8 Focus Topics with 51 invited talks, a healthy ratio, (excluding the three dissertation prize winner talks) and 2 additional contributed sessions. GMAG had 15 nominations for invited symposia (10,14,12 for 2013, 2012 and 2011 respectively), and were allotted 5. There were a total of 8 invited symposia, 5 of which were cosponsored with DCMP, with a total of 35 invited talks in these 7 symposia.

The list of symposia were shown (see Business Meeting presentation). Based on the number of abstracts, GMAG was allotted 5 symposia and another two were obtained via co sponsorship with DCMP, bringing the total to 7. There were 15 nominations for symposia and the list of 7 was decided by vote of the GMAG Executive Committee. There were more sessions than we have invited talks

There were a large number of sessions in frustrated magnetism. Yves Idzerda said that topic may have to break up into smaller sessions. He expected more in organic materials but the graphene talks were usurped into graphene sessions.

Axel Hoffmann asked about the graphene and Yves replied that all graphene abstracts were pulled out and sorted separately regardless of where they were sent.

Mark Stiles makes the point that there were only 9 empty slots. Since Yves Idzerda had to put together coherent sessions with no empty slots, he did a great job and deserved thanks.

8. In other not-so-good news: There was no nomination for the Beller Lectureship in time to meet the deadline. The Beller Lectureship invites an international speaker to give a talk.

There was no student lunches with experts this year, as there was no response from past GMAG Fellows. As incentive, note that GMAG pays for the lunch.

#### 9. Education and outreach

Mark Stiles announced that GMAG did get one proposals for the Education and Outreach grant we sponsor from NHFML in Florida. We don't know how to get information out to high school or teaching colleges, please let them know and have them submit a proposal. We take applications on a rolling basis. The executive committee has decided to modify the proposal announcement to make it absolutely clear

that anyone is eligible and that you do not have to be a GMAG member. Proposals will be screened by the executive committee.

Jonker said that we should make a big splash at the AAPT. Mark said he did communicate with the APS people. There were also suggestions to advertise in the AAPT bulletin.

There are two calls every year for international travel grant programs sponsored by APS, to collaborate with developing countries.

#### 10. Other business

GMAG's primary goal is to see is that the March Meeting runs as well as possible for magnetism talks and to recognizes people doing good work in magnetism(fellows and dissertation awards). We are doing well in our core business, but could do better when it comes to outreach. This is a good time to come up with any thoughts on what we could be doing better, and the community should feel free to communicate its thoughts to the Chair. Emails to [gmagchair@aps.org](mailto:gmagchair@aps.org) will go straight to the chair of GMAG.

And now Mark Stiles come to the most pleasurable part of the meeting, turning over the Chair position to Yves Idzerda.

Yves Idzerda wants to thank Mark Stiles, for making his job a lot easier and helping to sort out problems. He (YI) would like to move forward on the process of generating an award within the magnetism community. It would be a great time for input on what you (the magnetism community) think is appropriate for an award.

The meeting was adjourned at 6:40 pm.