

Minutes
GPMFC Executive Committee Meeting
Denver, CO
Monday, April 15, 2013

Present: Mike Romalis (Chair), Fred Wietfeldt (Sec/Treas), Chen-Yu Liu, Tanya Zelevinsky

Newly elected members present: Zheng-Tian Lu (Vice-Chair)

Graduate Student Representative: Gretchen Phelps

The meeting was called to order at 12:40 PM. The absence of a quorum was noted.

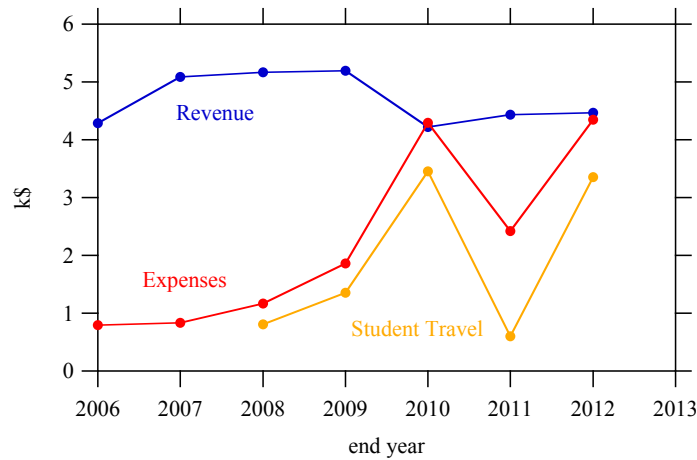
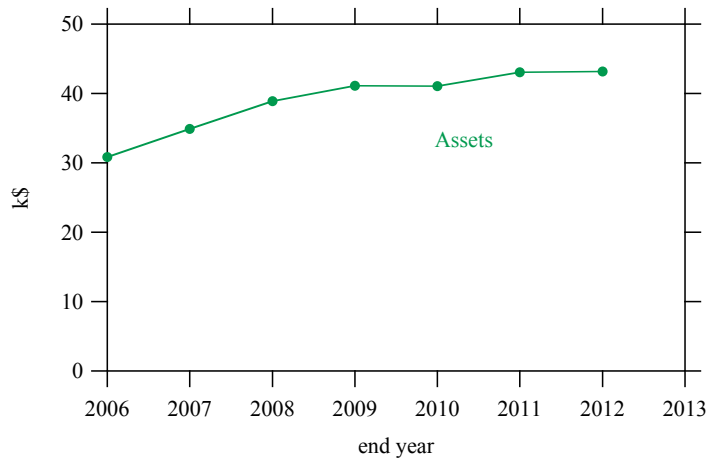
The newly elected members and graduate student representative were welcomed.

Election: Fred reported that 163 members voted online and 3 by mail in the 2013 election, out of 463 eligible members, for an overall participation rate of 35.9 %, a dip from last year but still good compared to the APS-wide level of about 25%. Our participation rate has been relatively stable in the 30-40% range for the past five years. In the last two years Fred has been sending extra reminders via the APS election system to try to improve the returns, albeit with minimal success. Newly elected are Vice-Chair Zheng-Tian Lu (ANL/U. Chicago), Secretary/Treasurer Marianna Safronova (U. Delaware), and At-Large Executive Committee Members Mike Snow (Indiana) and Jason Stalnaker (Oberlin).

Membership: Group membership once again hit an all-time high of 463, inching higher every year but still hovering below 1% (currently 0.93%) of total APS membership. Again, as last year, it was suggested that word-of-mouth is an effective recruiting method. Senior members should encourage their students and young colleagues to join the topical group. Questions that arose during the discussion are: What is the optimal size and focus of GPMFC? and: What do we really mean by "precision measurements"? Of course, we were not able to answer these questions but they are useful to consider as we seek to grow our membership.

Finances: Fred reported that total revenue closely matched expenses in 2012, with a net income of \$122, increasing the total assets of the Group by 0.3% to \$43,187. The largest expense was, as usual, student travel support. The topical group made six awards averaging \$559 each in 2012. All were for graduate students to attend the DAMOP meeting. For the past several years our strategy has been to make as many student travel awards as allow for an approximately balanced budget each year. The number of student travel proposals has been approximately that number, so almost all have been funded. The maximum award is \$600. The Pipkin award is in good shape as income on the endowment exceeds the annualized average award payout and expenses by almost a factor of two.

GPMFC Financial Picture



Program: Mike reported that GPMFC is co-sponsoring two invited sessions at this April meeting, including the memorial session for Stuart Freedman, and two invited sessions at the DAMOP meeting at Quebec in June. While our sessions at DAMOP have, in recent years, been the most successful in terms of attendance, it was generally agreed that we should continue to sponsor sessions at March and April meetings, and perhaps open it up to DNP as well.

Nominating: Fred presented the email report submitted by Nominating Chair Eric Hudson. This year's committee consisted of Dan Stamper-Kurn (the outsider member), Haiyan Gao (the GPMFC member), and Eric. The committee worked hard to bring in more precision measurement people from both outside of AMO and those doing awesome work at primarily undergraduate institutions, and tried to push for better representation of underrepresented groups.

Fellowship: Fred presented Dima Budker's report that the deadline for nominations was April 1. Dima encouraged members to make nominations but he had not yet reviewed them. New Fellowship Chair Zheng-Tian Lu will soon review the nominations and form the Fellowship Committee.

2013 Pipkin Award: Mike reported that the award for 2013 went to Randolph Pohl, Max Planck Institute of Quantum Optics, for his precision measurements of muonic hydrogen and hence the proton charge radius. Mike noted that an entire session of this April APS meeting was devoted to interpretations and implications of that work so it clearly merited this award. Randolph also gave the award lecture at this meeting. The committee for the 2015 Pipkin Award will be formed in 2014.

2012 APS Unit Convocation: Eric Hudson attended this year representing GPMFC. He reported (via email) that he learned: the topical group can start a student prize for dissertation research; give small grants for workshops; and work with the APS to improve our website. He noted that virtually every APS unit present, except GPMFC, sent their Chair or a Chair-line representative, so we should consider that in future.

New membership drive: Chen-Yu Liu reported that 10 new members were signed during this April APS meeting at the GPMFC-sponsored invited sessions. New members signed up at the session get the first year free. This effort has been quite successful in attracting new members. She presented some data on the topical group's composition that she collected from APS (see attached). These data are very interesting but the effort was laborious so we should consider asking APS to collect them for us in future; also we can ask for other things such as the experiment-theory split. Tanya agreed to take over recruiting duties for GPMFC as Chen-Yu is now rotating off the Executive Committee. Many thanks to Chen-Yu and Tanya!

Ramsey Prize: Last fall, on behalf of GPMFC, Jun Ye submitted a proposal for a major APS prize named for Normal Ramsey to be awarded biennially alternating with the Pipkin Award. It was reviewed by the APS Prizes and Awards Committee (chaired by Haiyan Gao) and returned with comments. We must respond carefully to the comments and resubmit this year. Generally we are optimistic that this proposal will succeed.

APS Child Care proposal: The APS Committee on the Status of Women in Physics recommends that all APS Units subsidize child care at their meetings to help members with young children attend. GPMFC is participating for the first time this

April APS meeting. Fred noted that the DAMOP meeting does not participate yet, but last year's DAMOP Chair said they intend to soon.

Frequency/Size of Pipkin Award: Annual income on the Pipkin Award fund exceeds the average payout by almost a factor of two, so it is financially possible to increase the frequency and/or size of the award. This was discussed at last year's Executive Committee meeting (with mixed opinions) and we decided to bring it up again this year. It was discussed and generally agreed that, while this may be a good idea, it is not urgent and we would be wise to wait until the Ramsey Prize is approved and underway before making any changes to the Pipkin Award.

Student Programs: Two ideas were proposed to help encourage participation of students and other young scientists in the topical group:

1) Chen-Yu related a suggestion by Mike Snow to start a GPMFC Summer School. It would be ~ 1 week long and focus on some area of precision measurements, with a different focus each year. NSF and/or DOE funding could be pursued for this. There was general agreement that Mike should pursue this with a possible first summer school in 2014. It was also suggested that maybe a GPMFC topical group scientific meeting (similar to the meetings that GGR and GHP have) could be held contiguous with the summer school. APS could, in principle, provide some support for this.

2) Sponsor a graduate student event (with pizza!?) during our regular scientific meeting (April or DAMOP) and invite one or more distinguished GPMFC speakers to talk with the students.

New Committee Chairs: Due to the expected lack of a quorum the following committee chairs for 2013-2014 were approved by the Executive Committee in advance by email and reported by Fred:

Program Committee: Mike Romalis

Nominating Committee: Mike Snow

Fellowship Committee (per bylaws): Zheng-Tian Lu

Publications Committee (per bylaws): Marianna Safronova

Jun Ye was reappointed as Past Chair for 2013-2014.

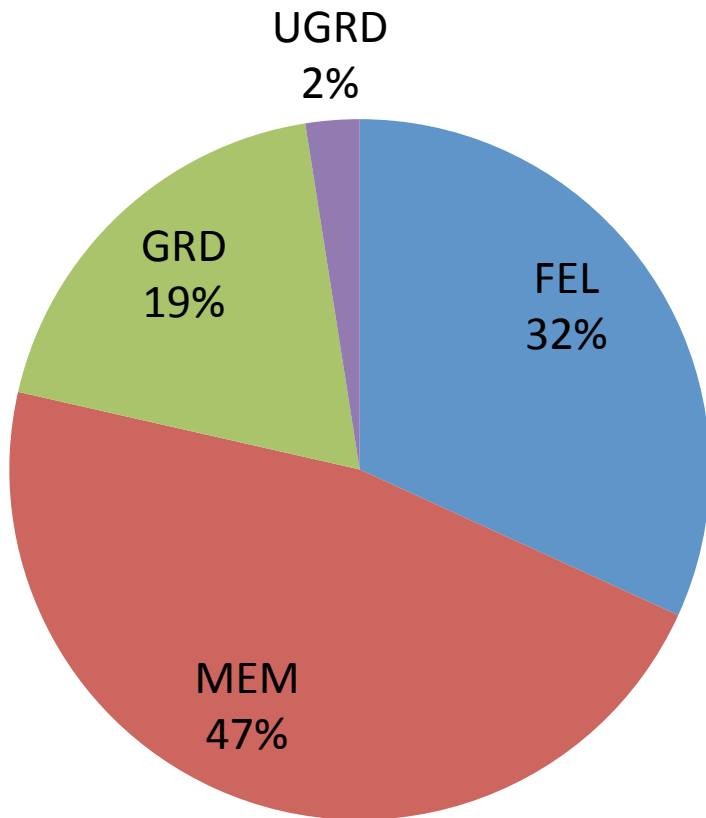
Meeting adjourned at 2:10 PM.

GPMFC Executive Committee

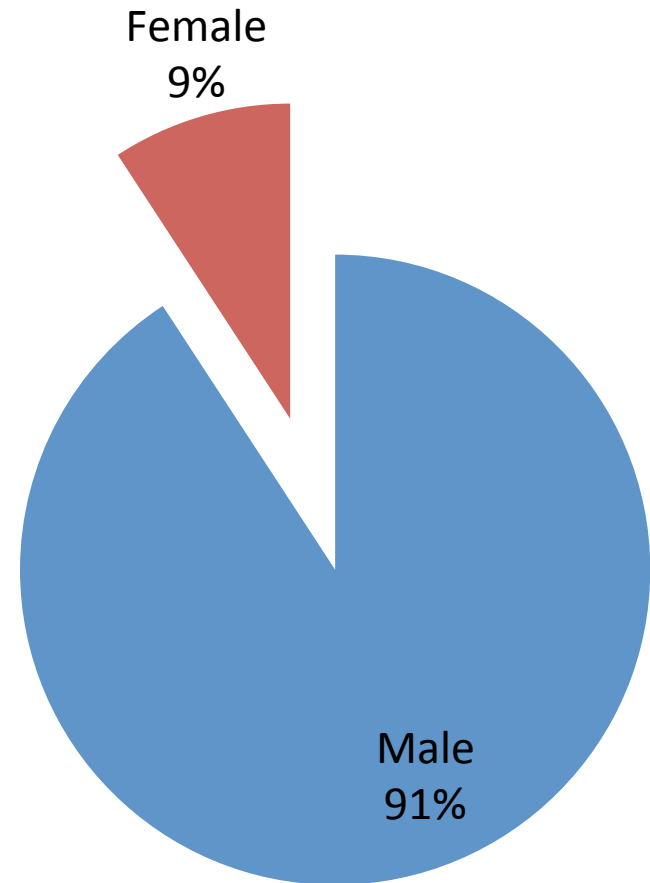
	2011 April APS	2012 June DAMOP	2013 April APS	2014 June DAMOP	2015 April APS	2016 June DAMOP
Chair	Jun Ye	Stuart Freedman / Michael Romalis	Michael Romalis	Dmitry Budker	Zheng-Tian Lu	
Chair-Elect	Stuart Freedman	Michael Romalis / Dmitry Budker	Dmitry Budker	Zheng-Tian Lu		
Vice-Chair	Michael Romalis	Dmitry Budker	Zheng-Tian Lu			
Past Chair	Blayne Heckel	Jun Ye	Jun Ye	Michael Romalis	Dmitry Budker	
Sec/Treas	Fred Wietfeldt		Marianna Safronova			
At-Large	Chen-Yu Liu		Mike Snow			
At-Large	Mark Raizen		Jason Stalnaker			
At-Large	Bill Marciano					
At-Large	Holger Mueller					
At-Large	Michael Chapman	Eric Hudson				
At-Large	Kristan Corwin	Tanya Zelevinsky				

GPMFC Member Distribution

GPMFC Distribution (2013)



Gender Distribution (2013)



Total: 460

GPMFC Member Distribution

