



The American Physical Society

Topical Group on Precision Measurement and Fundamental Constants

Newsletter No. 37

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Fred E. Wietfeldt, Tulane University
Secretary-Treasurer, GPMFC

2012 DAMOP Meeting

The 2012 meeting of the APS Division of Atomic, Molecular, and Optical Physics will be held at the Hyatt Regency Orange County, Garden Grove, California, from June 4–8, 2012. The Hyatt is one mile from Disneyland-Anaheim. The deadline for contributed abstracts is Friday, January 27. Go to <http://www.aps.org/units/damop/meetings/damop12/index.cfm> for information and registration.

GPMFC will co-sponsor two invited sessions at DAMOP. The details of these will be announced soon.

Topical Group Annual Meeting

The 2012 annual meeting, business meeting, and executive committee meeting of the Topical Group will be held during the DAMOP meeting in Anaheim, CA, June 4–8, 2012 (see above).

2012 APS March Meeting

This year GPMFC will have a presence at the March APS meeting. The Topical Group will co-sponsor, with the Forum on the History of Physics, an invited session entitled *History of Metrology: The evolution from physical to electronic measurements*. Invited speakers will include Robert Crease (Stony Brook University), James Faller (JILA), John Hall (NIST), Terry Quinn (BIPM), and Richard Steiner (NIST).

The March APS meeting will be held February 27–March 2, 2011 in Boston. Go to <http://www.aps.org/meetings/march/info/index.cfm> for information and registration.

GPMFC Travel Support for Young Scientists

Each year, the Topical Group provides partial travel support to several graduate students and post-docs to present contributed papers at scientific meetings in the area of precision measurement and fundamental constants. Support is available to attend either the GPMFC annual meeting (at DAMOP in 2012) or any other meeting in which GPMFC is sponsoring a contributed session.

To be eligible for support, the applicant must (1) be a graduate student or postdoc at a college, university, or national laboratory and engaged in research in the area of precision measurements and fundamental constants; (2) be a member in good standing of the APS and GPMFC; and (3) have submitted an abstract to present a contributed talk or poster in a session of the regular meeting, or in a GPMFC-sponsored session of

another meeting. To apply, send a request by email to the Secretary-Treasurer of the Topical Group, Fred Wietfeldt (few@tulane.edu), with a copy of your abstract attached, on or before the deadline for submitting abstracts to the meeting. If you are also applying for support from another APS unit, please state that in your application. Support is limited to a maximum of \$600 per traveler.

Future Programs

One of the main goals of the Group is to present interesting and engaging programs that reflect both the diversity of interests of our membership and the common themes of precision measurement. Our program committee seeks topics for next year's meetings, and your suggestions are welcome, particularly in interdisciplinary, cross-cutting, or new areas. Members with ideas for future program topics should contact the Program Committee Chair Jun Ye (jun.ye@nist.gov).

2012 APS Fellowship Nomination

The Topical Group is entitled to propose candidates for Fellowship in the APS. The Fellowship Committee is chaired by Michael Romalis (romalis@princeton.edu). Please consider nominating a worthy and accomplished colleague for this honor. Nomination instructions and the online form can be found at <http://www.aps.org/programs/honors/fellowships/nominations.cfm>

2012 GPMFC Election

In the upcoming year we will be electing two new Members-at-Large of the Executive Committee and a new Vice-Chair who is in the succession for Chair. Please contact the Chair of the Nominating Committee, Holger Mueller (hm@berkeley.edu) to suggest nominees.

Upcoming Conferences and Meetings of Interest

ITAMP/B2 Institute Winter Graduate School on AMO Physics

<http://www.cfa.harvard.edu/itamp/winterschool.html>

January 8–20, 2012

Tucson, Arizona

2012 AAPT Winter Meeting

<http://www.aapt.org/Conferences/meetings.cfm>

February 4–8, 2012

Ontario, California

APS April Meeting 2012

<http://www.aps.org/meetings/april/index.cfm>

March 31–April 3, 2012

Atlanta, Georgia

Conference on the Intersections of Particle and Nuclear Physics

<http://www.aps.org/meetings/meeting.cfm?name=CIPNP12>

May 28–June 2, 2012

St. Petersburg, Florida

2011-2012 GPMFC Executive Committee (year term ends in parentheses)

Chair:

Jun Ye (2012)
NIST/ University of Colorado-JILA
junye@jilau1.colorado.edu

Member-at-Large:

Kristan Corwin (2012)
Kansas State University
Corwin@phys.ksu.edu

Chair Elect:

Stuart Freedman (2012)
University of California, Berkeley
sjfreedman@lbl.gov

Member-at-Large:

Chen-Yu Liu (2013)
Indiana University, Bloomington
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Vice Chair:

Michael Romalis (2012)
Princeton University
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Member-at-Large:

Mark Raizen (2013)
University of Texas, Austin
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Past Chair:

Blayne Heckel (2012)
University of Washington
heckel@phys.washington.edu

Member-at-Large:

Bill Marciano (2014)
Brookhaven National Laboratory
marciano@bnl.gov

Secretary/Treasurer:

Fred Wietfeldt (2013)
Tulane University
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Member-at-Large:

Holger Mueller (2014)
University of California, Berkeley
hm@berkeley.edu

Member-at-Large:

Michael Chapman (2012)
Georgia Institute of Technology
michael.chapman@physics.gatech.edu