

Minutes of the Spring 2011 DPP Executive Committee Meeting

Hyatt Regency Hotel, Anaheim, California

Saturday, April 30, 2011

Members and Officers Present: Steve Allen, Tom Antonsen, Debbie Callahan, John Cary, Vincent Chan, Christine Coverdale, Cary Forest, Denise Hinkel, Hantao Ji, Karl Krushelnick, David Montgomery, Fred Skiff

DPP Administrator: Saralyn Stewart

Guests: Alan Chodos, Terri Gaier, Kate Kirby, Mike Lubell, James Riordon, Gene Sprouse, Mary Ann Sweeney

1. Welcome Remarks

Steve Allen called the meeting to order at 10:00 AM. Introductions followed along with an explanation of the agenda and Robert's Rules of Order procedure for the meeting.

2. Minutes of the Fall 2010 Meeting

Sunday, November 7, 2010, Chicago, Illinois (*written*) and

Business Meeting Minutes: Wednesday, November 10, 2010 (*written*)

Motion: (Chan/Ji) To approve the minutes of the Fall 2010 Executive Committee meeting.
Passed unanimously.

3. Chair's Report—Steve Allen

a) 2010 Invited Presentations on PoP website

Steve Allen discussed the results of the initiative from the 2010 DPP meeting to have all invited, review, and tutorial talks available on the American Institute of Physics Physics of Plasmas (PoP) website. Approximately 70 out of 100 talks were received. PoP considers this a success based on the percentage of written papers submitted from invited talks for the DPP special issue. Steve suggested we continue this initiative. There is no copyright issue since the online papers will be temporarily posted on the PoP website, for one year.

Action Item #1. Cary Forest should continue the initiative of having the 2011 DPP invited, review, and tutorial talks made available on the American Institute of Physics, Physics of Plasmas website.

Hantao Ji inquired about the possibility of video taping invited, review, and tutorial talks on the web. Steve mentioned, because of international interest, some of the talks at the 2011 APS April Meeting are streaming over the web. Vincent Chan said the APS April Meeting is being used as a trial for broadcasting.

Action Item #2: Cary Forest will obtain logistical and cost information from APS regarding web streaming for the 2011 DPP invited, review, and tutorial talks.

b) Landau-Spitzer Award

Steve discussed the new Landau-Spitzer award. The initial nomination deadline is July 1, 2011.

Action Item #3: Steve Allen will consult with the EPS officers about the deadline of the Landau-Spitzer Award.

c) 2011 Student Travel Grant Awards

Steve discussed the 2011 Student Travel Grant Program for the DPP meeting. At the 2010 DPP meeting, 12 students were awarded funding at a level of \$500 each + 5 extra from the Program Chair's discretionary fund.

There was discussion to consider increasing the amount of the award because \$500 was unlikely to cover the travel costs to the meeting for a student. It was agreed that the award should remain primarily need based.

Motion: (Antonsen/Callahan) To continue the Student Travel Grant Program in 2011 and authorize grants of up to a total of \$12,000 for students. The particular amount per student would be at the discretion of the program chair. **Passed unanimously.**

Motion: (Hinkel/Montgomery) To set the maximum individual student travel award amount per student to \$1000. **Passed unanimously.**

d) The Plasma Universe

700 copies of "The Plasma Universe" have been purchased and delivered to Saralyn Stewart to be used for the DPP outreach program

Action Item #4: Steve Allen to contact the DPP Education and Outreach committee chair, Paul Miller, to inform him of these available copies of "The Plasma Universe".

e) Annual Meeting Web App—John Cary

John Cary discussed a potential web app for the DPP meeting and its use at the upcoming Salt Lake City meeting. The web app from the current April APS meeting was described and compared to one used for the recent Particle Accelerator Conference (PAC) meeting in New York. It was thought to be a good idea to implement an app, including search features, at DPP in Salt Lake City.

Saralyn Stewart mentioned that the cost was about \$2500 for the APS April meeting web app.

Action Item #5: Cary Forest to contact Jim Egan of APS to inquire about setting up a web app for the DPP meeting in Salt Lake City which will include search features.

Motion: (Montgomery/Hinkel) To spend up to \$5000 for development of an app for the Salt Lake City meeting. **Passed unanimously.**

4. Review Action items—Steve Allen

1) Landau Spitzer award - Steve Allen to consult with EPS officers about the timing for the first award and appoint three members to the selection committee. **Not done yet.**

Action Item #6: Steve Allen will appoint three DPP selection committee members to serve on the Landau Spitzer Award Committee.

2) Hantao Ji and Cary Forest will draft a statement concerning the 2010 Decadal Study in Astrophysics for subsequent review by the DPP Executive Committee. **Not done yet.**

Action Item #7: Hantao Ji and Cary Forest will draft a statement concerning the 2010 Decadal Study in Astrophysics for subsequent review by the DPP Executive Committee.

3) Cary Forest to send a letter to laboratory leaders encouraging them to nominate qualified women for APS Fellowship. After discussion it was felt that this would be more appropriately done by the past chair rather than by the current chair of fellowship committee.

Action Item #8: Cary Forest will send a letter to laboratory leaders encouraging them to nominate qualified women for APS Fellowship by February 2012.

4) The committee of Troy Carter, Hantao Ji, and Ron Cohen will complete a draft document documents on Climate Change and Energy Sustainability for submission to NSF. **Not done.** It was felt that this was no longer necessary.

5) Saralyn Stewart will include instructions that discourage forwarding of email messages to other members about division elections, which include their unique voting URL. **Carried over.**

Action Item #9: Saralyn Stewart will include Election Ballot Instructions to DPP members, discouraging forwarding their personal email message, which includes a unique URL address to vote.

6) Cary Forest and Fred Skiff will decide if the nomination website needs improvement. **Done.** Decision was that this was not necessary.

7) Steve Allen will appoint three new members to the Katherine Weimer selection committee. **Carried over.**

Action Item #10: Steve Allen will appoint one new member to the Katherine Weimer selection committee to serve as co-chair for 2011.

8) Fred Skiff should try to get a plenary talk on plasma physics at the 2012 April APS meeting. **Carried over.**

Action Item #11: Fred Skiff will present a proposal for a plasma plenary talk at 2012 APS April Program Committee Meeting. This should be possible since the Sherwood Meeting will join the 2012 April APS Meeting.

9) Cary Forest will present a specific “social network” proposal at the Spring ExCom meeting. **Done.** See later.

10) Dan Dubin proposed that DPP scan classic plasma physics publications that are out of print and post PDF versions on a website. Dan will present a concrete proposal at the Spring DPP ExCom meeting in Anaheim. **Not done**

Action Item #12: Dan Dubin proposed that DPP scan classic plasma physics publications that are out of print and post PDF versions on a website. Dan will present a concrete proposal at the next DPP ExCom meeting.

11) Mark Koepke will contact Steve Allen for nominations for his replacement. **Done.**

12) Saralyn Stewart and Bill Heidbrink will work with Ian Hutchinson to prepare an announcement about the Maxwell Prize campaign to present on Thursday morning (DPP 2010 meeting). **Done.**

13) The committee of John Cary, Tom Melhorn, Steve Allen, and Toshi Yamaguchi will make a recommendation at the Spring ExCom meeting concerning international participation. **Done** John Cary reported and produced information regarding international participation at EPS and APS meetings. The U.S. and European participation at these meetings was roughly equivalent (~15%). Discussion ensued with regard to whether this needed to be improved and if so how to proceed since the present system was largely ineffective. Suggested abstracts provided by the EPS to the DPP program committee are often not accepted because at DPP more emphasis is given to the abstract of the proposed talk. A suggestion is to add three Europeans to the DPP program committee to enhance international participation on a trial basis – and if this works to attempt this with Asian representatives as well.

Motion: (Montgomery/Forest) The representative to the EPS program committee should be the past chair of DPP. **Passed unanimously.**

Motion: (Forest/Chan) To appoint 3 members of the EPS program committee (i.e., heads of the subcommittees on MCF, ICF, and basic plasmas) to the DPP program committee to enhance international participation. **Passed unanimously.**

Action Item #13: Steve Allen will contact EPS to determine if appointing the three chairs of the EPS PPD program subcommittees for MCF, ICF, and basic plasmas to the APS DPP program committee will enhance international participation at APS DPP annual meetings.

5. Secretary-Treasurer Report—Karl Krushelnick Financial Report and 2011 Projection

A presentation was given showing DPP budget history and present levels of expenditures and balance. The present DPP balance is about \$680,000. The finances of the division are healthy although there have been losses at the most recent two APS meetings (Atlanta and Chicago). However the 2011 site, Salt Lake City, is a much cheaper venue and it is estimated that this meeting will not lose money.

Registration Fees in Salt Lake City

The history of the registration fees was also presented and it was noted that the registration fee has not increased for several years. The possibility of an increase of about 3.5% was discussed. The need to co-ordinate registration fees with the GEC was also discussed. An increase in registration fees (~ 3.5%) is shown below.

DPP10/09	<u>Preregister</u> (+3.4%)	<u>Onsite</u> (+3.4%)
APS member	\$385 (\$400)	\$435 (\$450)
Non-member	\$505 (\$525)	\$555 (\$575)
Retired	\$125 (\$130)	\$135 (\$140)
Unemployed	\$125 (\$130)	\$135 (\$140)
Student	\$75 (\$80)	\$125 (\$130)
1 day member	\$190 (\$200)	\$215 (\$225)
1 day non-member	\$250 (\$260)	\$275 (\$285)

Women in Plasma Physics Lunch Fee in Salt Lake City

Discussion will be held later during the Women in Plasma Physics report.

APS DPP Job Fair

Discussion will be held later.

There was a presentation on the status of the award funds by Karl Krushelnick.

Alan Chodos of APS spoke with reference to a letter sent out by APS to each division with regard to award fund status. The APS has lowered the level of return to these award funds to 5.5% and has decided that a ratio of 25:1 will be required before the fund will be considered fully endowed. This means that travel costs for the recipient will not be paid for unless a 25:1 ratio is achieved. It was reported that currently, neither the Maxwell Prize nor the Dawson Excellence Award met the 25:1 condition. However, at a ratio of 20:1 the Maxwell Prize and the Dawson Excellence Award can be paid from the endowment fund, however travel expenses for recipients must be paid for from the DPP general account, upon recipient's request. There was discussion as to whether the prize would be fully endowed at a ratio of 25:1 or at a ratio of 20:1 and pay travel costs directly from DPP.

7. APS Public Affairs Office Report—Mike Lubell

Mike Lubell reported on the research funding situation in Washington and the results of a survey of Americans' attitudes towards science.

8. APS Reports

a) Executive Officer Report—Kate Kirby

Kate Kirby reported that the APS was healthy and growing. There are over 50,000 members of which 20% are international and 25% are students. There will be an opportunity for the DPP Chair to report to the APS Council during the DPP November meeting in Salt Lake City. Kate described the success of PhysTEC (Physics Teachers Education Coalition) as well as a program to double the number of physics Ph.D.s of under-represented minorities from the present low level of about 35 per year.

There was discussion about possibly moving the April meeting 2 weeks earlier to accommodate university schedules.

b) APS Journals Report—Gene Sprouse

Gene Sprouse, APS editor in chief provided a presentation. The APS journals are growing at 3% per year with 78% of the content from outside the U.S. Consequently, the APS editorial office is expanding and hiring more editors and staff.

Gene described the creative commons license system in which authors pay to keep the copyright of their papers in perpetuity. The cost for this will be \$1700 for Physical Review, \$2700 for Physical Review Letters and \$1500 for Physical Review X – which was announced as a new online only open access journal. PRX will begin accepting papers for review in May 2011. Stewart Prager of PPPL will be on the editorial board of PRX.

c) Prize and Award Endowments—Alan Chodos

This was discussed earlier during the Secretary/Treasurer report.

9. Selecting Public Information Items—James Riordon

James Riordon of the APS Media Relations made a presentation. He described the recent increase in science news which has been aided by the use of the internet. He suggested a new tactic to obtain newsworthy stories was to send emails directly to all participants at DPP and request articles.

Action Item #14: Cary Forest will connect David Hill, 2011 DPP Public Information Committee chair, and James Riordon to co-ordinate the DPP press releases.

10. Prize and Awards Committee Reports

a) Maxwell Prize Endowment—Ian Hutchinson

There was discussion regarding endowing the Maxwell Prize and Dawson Excellence Award.

Motion: (Skiff/Ji) To increase the Maxwell Prize fund up to \$200,000 by adding \$27,000 from the DPP general account. And to approve a ratio of 20:1 to pay the value of the prize to the recipient from the endowment fund, leaving the cost of the certificate and travel expense costs (upon recipient's request) paid directly from the DPP general account. **Passed unanimously.**

b) MNR Outstanding Doctoral Thesis Award—Ambrogio Fasoli

Written report submitted.

c) Maxwell Prize—Steve Obenschain

Written report submitted.

d) John Dawson Excellence Award—Mike Mael

No report.

e) Weimer Award—Mary Ann Sweeney

The committee has several excellent nominations but needs an additional committee member to enable a final decision to be made. Steve Allen will appoint a new member (see action item #10).

11. Education and Outreach, and Plasma Physics Support—Paul Miller

Written report submitted. An estimated budget for E&O events in Salt Lake City was approved.

Motion: (Forest/Antonsen) To approve the estimated budget request for DPP E&O activities in Salt Lake City. **Passed unanimously.**

c) Distinguished Lecturer Program—Mark Koepke
Written report submitted.

12. 53rd Meeting: DPP 2011 Meeting Report—Cary Forest
The discussion returned to the conference fees for the Salt Lake City meeting.

Motion: (Forest/Montgomery) To approve raising the DPP registration fee as proposed by Karl Krushelnick. **Passed unanimously.**

a) Annual Meeting Initiatives
Mini-Conferences

No mini-conferences have been proposed yet. The deadline for proposals is May 11, 2011.

Town Meetings

University Fusion Association general meeting would be scheduled on Monday evening of the DPP meeting. Town meetings proposals haven't been received yet.

Exhibits / Poster Session

There was brief discussion about industrial exhibits. There is an agreement between GEC and DPP that GEC will coordinate the industrial exhibit space.

Job Fair Arrangements

The AIP will no longer organize a Job Fair during the DPP meeting. AIP will provide job information via the internet. The ExCom believes the Job Fair is an important service provided to the DPP membership and it should be continued. The cost for a Job Fair (~\$30,000) is roughly split between the employers and the DPP.

Action Item #15: Steve Allen, Karl Krushelnick and Cary Forest will serve on an ad hoc committee to determine how to proceed with organizing a job fair at the DPP annual meeting in Salt Lake City.

b) Public Information Committee

This was discussed earlier.

c) Discretionary Funds Request

Program and facilities, Travel grants, Pure discretionary

Cary Forest requested a \$20,000 discretionary fund for use by the program chair for the annual meeting in Salt Lake City, an increase of \$5,000 over last year.

Motion: (Krushelnick/Montgomery) To approve a one time additional \$5,000 for the RFid experiment at the 2011 DPP annual meeting for the chair's discretionary fund. This is in addition

to \$5,000 for program and facilities, \$5,000 for travel grants, and \$5,000 for pure discretionary.
Passed unanimously.

d) Banquet Entertainment—Steve Allen

Steve Allen then discussed the banquet speaker, Professor Alan Nathan from the University of Illinois, for the DPP annual meeting. Professor Nathan's talk title is "Physics and Baseball."

e) Production Schedule—Saralyn Stewart

Written report submitted.

13. Update: Colocation DPP and GEC in 2011—Cary Forest

Cary Forest reported on preparations for the upcoming annual meeting. There was a site visit to Salt Lake City. Cary is working on an invitation to a recent Fields Medalist from France, Cedric Villani, to give a tutorial talk at this meeting.

Cary also discussed the plan to use RFid (radiofrequency identification) tags to determine the extent of social interactions between participants at the DPP and GEC meetings. The data obtained will be shared with an Ohio University group, Automatic Identification and Data Capture Lab...the ID tags will be donated to the Ohio group after the annual meeting. David Newman, University of Alaska, will record much of the data analysis. The cost is anticipated to be less than \$10,000 for the ID tags to measure interaction.

Action Item #16: Cary Forest will contact Kate Kirby to discuss using RFid tags during an APS endorsed meeting.

DPP and GEC will have separate registration and separate banquets for the two meetings.

14. 2011 April APS Meeting—Cary Forest

The contribution and attendance during the APS April Meeting from plasma physics was low, although this should improve next year with the Sherwood Meeting joining the April Meeting. Questions remain with regard to the participation of DPP at the April APS Meeting.

Action Item #17: Cary Forest will report on the 2012 APS April Meeting numbers and impact.

15. DPP Meetings

Terri Gaier reported the dates of the upcoming meetings.

- DPP 2011 (*November 14-18, 2011, Salt Lake City, Utah*)
- DPP 2012 (*October 29-November 2, 2012, Providence, Rhode Island*)
- DPP 2013 (*November 11-15, 2013, Denver, Colorado*)
- DPP 2014 (*October 27-31, 2014, New Orleans, Louisiana*)
- DPP 2015 (*November 16-20, 2015, Savannah, Georgia*)
- DPP 2016 (*TBA, San Jose, California*)

The meeting in Salt Lake City is likely to cost considerably less than Chicago (for example the wireless access cost is estimated at \$2,800 rather than \$30,000 in Chicago).

16. International Union of Pure and Applied Physics Commission—Mark Koepke

Written report submitted.

17. Coalition for Plasma Science Activities—Lee Berry

Steve Allen reported that the Coalition for Plasma Science requested a \$5,000 donation from DPP.

Motion: (Hinkel/Chan) To approve funding of \$5,000 from DPP to the Coalition for Plasma Science activities. **Passed unanimously.**

6. Additional Committee Reports

a.) Committee on Women in Plasma Physics—Mary Ann Sweeney

Written report submitted. In addition Mary Ann Sweeney provided further details. At the DPP annual meeting the Women in Plasma Physics luncheon and the childcare program will continue. The preferred option for the Salt Lake City luncheon is to have a plated lunch at the convention center.

Action Item #18: Mary Ann Sweeney will contact Amy Wendt who will coordinate with GEC to invite their members to attend the women's luncheon.

The 2011 childcare grant costs are estimated to total \$3,200, at up to \$400 each.

Motion: (Callahan/Montgomery) To approve a childcare program of up to \$4,200 (including childcare grants of up to \$3,200) and to approve the Women in Plasma Physics luncheon costs of up to \$3,200. **Passed unanimously.**

b.) Committee on Concerns of Junior Scientists—Dylan Brennan

No written report was received.

Action Item #19: Mary Ann Sweeney will contact Dylan Brennan regarding a joint evening session on concerns for women in science and for junior scientists.

c.) Fellowship Committee—Fred Skiff

Fred Skiff reported that the fellowship committee had made their recommendations to APS for 2011. There was a lack of female nominations. It was decided that an improved procedure for soliciting female nominations from lab directors is required.

d.) Nominating Committee—John Cary

No written report was received.

e.) Publication Committee—Peter Gary

Written report submitted.

18. Other New Business—Steve Allen

Vincent Chan provided a brief report on the APS Council meeting. Jill Dahlberg has been appointed as chair of POPA.

A new topical group on Climate Change has been formed within APS. 800 members indicated that they were interested in joining this topical group.

Additional initiatives also were to study the impact of research on economy and the importance of materials research in the energy sector.

Cary Forest next raised the possibility of a new APS plasma physics award for early-career scientists similar to those awarded by other groups. This would possibly be at a \$2,000 award level.

Action Item #20: Cary Forest, Denise Hinkel, and David Montgomery have formed an ad hoc committee to explore the possibility of an APS early-career award through DPP.

Cary Forest expressed concern about DOE OFES funding of basic plasma physics and to consider drafting a statement to emphasize the importance of universities in plasma physics research. In particular to address concerns raised by recent studies such as the ReNEW report, HEDSA, and the Plasma 2010 document.

Action Item #21: Steve Allen and Cary Forest will draft a document with regard to university funding for plasma science and will send it to the DPP ExCom for consideration.

19. Date for 2011 Fall Executive Committee Meeting—Steve Allen
Sunday, November 13, 2011, *Marriott Salt Lake City (start time 10:00 a.m.)*

20. Adjourn
The meeting was adjourned at 6:00 pm.