

Minutes of the Fall 2011 DPP Executive Committee Meeting
Marriott Salt Lake Downtown Hotel, Salt Lake City, Utah
Sunday, November 13, 2011

Members and Officers Present: Steve Allen, Tom Antonsen, Debbie Callahan, John Cary, Cary Forest, John Goree, Denise Hinkel, Hantao Ji, Karl Krushelnick, David Montgomery, Tom Mehlhorn, Jon Menard, John Sarff, Fred Skiff

DPP Administrator: Saralyn Stewart

Guests: Lee Berry, Dylan Brennan, Alan Chodos, Terri Gaier, Greg Hebner, Eric Held, Ted Hodapp, Kate Kirby, Mark Koepke, Steve Knowlton, Mike Lubell, Paul Miller, Brian Moseley, Mark Nornberg, Ross Spencer, Mary Ann Sweeney, Becky Thomas, James Van Dam

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. Approval of the Minutes of the Spring Executive Committee Meeting

Karl Krushelnick presented the minutes from the Executive Committee meeting held on Saturday, April 30, 2011, Anaheim, California (*written*)

Motion: (Mehlhorn/Forest) To approve the minutes of the Spring 2011 Executive Committee meeting. **Passed unanimously.**

3. Chair's Report

a. Steve Allen discussed the election results and introduced the new members of the DPP Executive Committee.

Mark Koepke (West Virginia University)	Vice Chair (11/2015)
John Goree (University of Iowa)	Member (11/2014)
Stephen Knowlton (Auburn University)	Member (11/2014)
Rajesh Maingi (Oak Ridge National Lab)	Member (11/2014)

The departing Members of the Executive Committee are: Debra Callahan (LLNL), Jonathan Menard (Princeton U), John Sarff (Wisconsin).

b. The new Landau Spitzer award was discussed. The first award is to be presented at the EPS DPP meeting in June 2012 in Stockholm, Sweden. The EPS members of the award committee have been determined. They are Richard Dendy, Jurgen Meyer ter Vehn, Christoph Hollenstein.

c. The Plasma Universe

Seven hundred copies of "The Plasma Universe" were printed and delivered to Saralyn Stewart. These are now available for education and outreach purposes, as well as a general resource for the division.

4. Action Items

Steve Allen went through the written list of Action Items from the Spring 2011 meeting.

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.

Done. About 2/3 of talks from the Chicago APS meeting were available on the web-site. This is similar to the number of invited talks which result in submitted papers for the special issue of *Physics of Plasmas*.

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

There was some preliminary investigation of this.

Action #1 Fred Skiff and Cary Forest will obtain logistical and cost information from APS regarding web streaming for the 2012 DPP invited, review, and tutorial talks.

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

Done. The deadline is March 25, 2012.

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".

Done.

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.

Done. There was an issue with the availability of the web app for iPhone from iTunes in time for the conference. This was resolved although it was necessary for the iPhone web app to be downloaded from a separate site (not iTunes).

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

Done. The APS members are Fred Skiff, Ronald Parker and Ricardo Betti.

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.

Done. There is a new procedure for policy statements issued by the APS as well as for those from individual units. Consequently this needs to pass through the APS council.

Hantao Ji described the difficulties that researchers in Laboratory Plasma Astrophysics have since this field requires cross agency collaboration for funding. He would like to raise the profile of the field.

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

Carried over. To be done by February 2012.

Action #2 Cary Forest will send a letter to laboratory leaders encouraging them to nominate qualified women for APS Fellowship by February 2012.

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

Done.

10. Steve Allen will appoint one new member to the Katherine Weimer selection committee to serve as chair for 2011.

Done.

11. Fred Skiff will present a proposal for a plasma plenary talk at 2012 APS April Program Committee Meeting.

Done. Ellen Zweibel was suggested for a talk on the topic of Cosmic Rays

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 Executive Committee meeting.

Carried over. Dan Dubin is no longer on the Executive Committee. There was discussion of this proposal and it was agreed that further investigation was required.

Action #3 John Goree will present a proposal for scanning classic plasma physics publications that are out of print and posting PDF versions on the DPP website at the next DPP Executive Committee meeting. Thesis dissertations and other out-of-print publications/textbooks are to be considered as well.

Mark Koepke will discuss the possibility of posting classic plasma physics papers on the DPP web-site at the next APS publications committee meeting. He will also contact APS with regard to posting notices of new plasma physics textbooks on the DPP web-site.

13. Steve Allen will contact EPS to determine whether by appointing three members of the EPS program committee as chairs of the DPP program subcommittees, for MCF, ICF, and basic plasmas, international participation at DPP annual meetings will be enhanced.

Done. EPS decided not to have program members from Europe on APS program committees.

However the APS is committed to have significant international representation and Fred Skiff will attend next EPS program committee meeting in Spain.

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

Done. There will be a \$10,000 cost to the division for improved DPP press releases.

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.

Done. The Job fair was organized through APS this year, but it was felt that this could still be improved.

Action #4 Cary Forest will appoint a new subcommittee to investigate improvements for APS job fair at APS/DPP meeting in Providence RI in 2012.

16. Cary Forest will contact Kate Kirby to discuss using RFID tags during an APS endorsed meeting.

Done.

17. Cary Forest will report on the 2011 APS April Meeting numbers and impact.

Done.

18. Mary Ann Sweeney will contact Amy Wendt to discuss GEC women's luncheon and how this could be compatible with the APS women's lunch.

Done.

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

Done.

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

Done.

David Montgomery spoke for the committee. They determined that similar awards were presented by other APS divisions and such an award could be of value.

Action #5 Cary Forest, Denise Hinkel, and David Montgomery to make a proposal for an early-career plasma physics award and report to the executive committee.

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.

Carried over.

Action #6 Steve Allen and Cary Forest will draft a document with regard to university funding for plasma science and will send it to the DPP Executive Committee for consideration.

5. Secretary-Treasurer Report

a. Financial Report

Karl Krushelnick made a presentation on the present state of the DPP finances. The finances of the division are in good shape and the present balance stands at about \$680,000. There have been losses at the previous two APS conferences and so the registration fees for the 2011 meeting were raised by 3.5%. Initial estimates however suggest that the Salt Lake City conference should be much less expensive than Chicago or Atlanta conferences.

b. APS Job Fair

Karl Krushelnick discussed the recent decision of the American Institute of Physics to discontinue running the Job Fair at APS conferences. It was determined that the Job Fair was considered to be a valuable service for the membership of the DPP and that the membership wished to continue this. Outside companies were approached about the Job Fair at DPP but it seemed to be too small for them to consider. Subsequently it was decided that the APS

conference organizers (Terri Gaier) would be able to organize a scaled down Job Fair for this year which would allow the division to examine how it wished to proceed in subsequent years.

c. APS International Travel Grant Program Participation

The Division of Plasma Physics continues to participate in the International Travel Grant Program and members have been encouraged to apply via announcements in the electronic newsletter.

Action Item # 7 Karl Krushelnick and Saralyn Stewart to put Minutes and Newsletters on DPP web-site.

6. Ballot Statistics and History

Saralyn Stewart reported the number of votes in the recent election. There were 704 electronic ballots and 9 paper ballots.

7. 53rd DPP Annual Meeting

The Program Chair for the Salt Lake City meeting is Cary Forest. He described the upcoming conference and the co-location of the DPP with the GEC meeting this year. The invited talks from the conference will be available on the *Physics of Plasmas* web-site.

He discussed the mini-conferences and the plasma Town Meeting to be held. In addition Cedric Villani (a recent Fields medalist) will present a tutorial talk on aspects of Landau damping.

A mobile app of the conference program was made available for the first time (for Droid and iPhone).

He also described the RFID program to measure the social interaction between participants at the DPP conference and the GEC conference.

Action # 8 Cary Forest to send Saralyn Stewart information about results from the RFID study for the DPP website.

Mary Ann Sweeney noted that a childcare room has been set up for the conference and there were 6 child care grants provided this year.

8. Fellowship Committee Report

Fred Skiff reported on the activity of the Fellowship committee. There were 35 Fellow nominations of which 15 were selected. There was a lack of women nominated and an increased effort should be made to obtain nominations of women. However it was noted that the chair of the fellowship committee should not be involved in direct solicitation of nominations.

9. Education and Outreach Activities

Paul Miller submitted a written report.

Tuesday will be Teachers' Day with Workshops, and lunch with teachers and researchers. The Plasma Science Expo will be on Thursday and Friday and should be well attended with children from the area schools. On Thursday evening the public will be invited into the Expo.

Action # 9 Paul Miller to send to Saralyn Stewart acknowledgement of donors to the DPP outreach/education program to be posted on the web-site. The donors need to be asked whether they wish to be listed.

10. Distinguished Lecturer in Plasma Physics (DLPP) Program

Mark Koepke is leading an effort to restart the Distinguished Lecturer in Plasma Physics Program. He described how the program worked in the past. He has a list of institutions who have been interested in hosting DLPP speakers in the past.

11. Additional Committee Reports

a. Nominating Committee

John Cary reported on the activities of the nominating committee.

b. Concerns of Junior Scientists

A written report was submitted by Dylan Brennan.

c. Women in Plasma Physics

Mary Ann Sweeney gave a report on the statistics of the women in the DPP. The women in Plasma physics lunch was well attended and the speaker (Amy Keese) was well received.

Motion (Montgomery/Mehlhorn) Amy Keese should receive a \$600 honorarium for contribution to the Women in Plasma Physics lunch. **Passed unanimously.**

d. Katherine Weimer Award

Mary Ann Sweeney discussed the Weimer award this year. There was a considerable effort to encourage more nominations for this award and this resulted in an increase of nominations from 3 to 9. The winner this year was Yuan Ping from LLNL.

12. Public Information Committee

David Hill submitted a written report.

13. 2012 APS April Meeting and Sherwood Participation

Fred Skiff reported on preparations for the Sherwood meeting to be held along with the APS April meeting in 2012. The dates for this meeting are March 31-April 3, 2012 in Atlanta, Georgia.

14. 2012 Annual Meeting in Providence, Rhode Island (Oct 29-Nov 2)

The local organizer for the Providence meeting will be Anne White from MIT.

15. DOE Fusion Energy Sciences Report

Jim Van Dam, the new Research Division director at FES, presented information regarding developments within the DOE Fusion Energy Science Program. There was a recent ITER Science and technology advisory council meeting. The construction phase for ITER has begun and first plasma for ITER is anticipated in 2018-2019.

Ed Synakowski will speak on Monday evening during the UFA General Meeting.

Jim Van Dam mentioned that the Fusion Graduate student Fellowship program will be resumed. He also announced that Steve Koonin (Undersecretary of energy) will be leaving DOE soon.

16. APS Reports

Mike Lubell of the APS Public Affairs Office gave a presentation. He discussed the public perception of science in the US and the budget of science for next year. He also discussed the US contribution for the funding of the ITER project and its effect on the science budget.

a. Executive Officer

Kate Kirby, the APS executive Officer, presented a report on the activities of the APS. The APS has now more than 48,000 members of which 27% were students and 21% were international (non-US based).

The divisional meetings were very successful with the March meeting in 2011 having 8000 abstracts submitted and 9000 for the March meeting in Boston in 2012. The divisional meetings are also doing well.

She commented on issues involving the participation of the DPP in the April meeting.

- The APS is also beginning to develop a Strategic plan for the future. Consequently the Executive Board has undertaken a SWOT analysis of the APS with a goal of better serving both the physics community and society. A plan will be presented to the APS Council in March.

b. Education and Outreach

Ted Hodapp gave a presentation. The number of physics majors in the US has been static. The Division of Plasma Physics presently has the lowest fraction of women members in the APS (7.9%).

APS was also developing high School curriculum modules. The cost for a Plasma Physics based module would be about \$15,000.

He also discussed the situation with several Texas universities who were planning to close their Physics Departments because of low enrollment.

Becky Thompson, the Head of Public Outreach for APS then discussed the efforts of her office. This includes development of the APS website and production of a popular physics-based comic book series (Spectra). There was also a physics day at the Six Flags Amusement park.

c. Honors Programs

Alan Chodos gave further details about the new Landau Spitzer award to be presented in Stockholm at the EPS 2012 meeting.

17. APS Meetings Department

Terri Gaier reported on the meeting arrangements. At this point APS has not filled the required hotel block at Hilton.

There are 9 tables for employers at the scaled down Job Fair this year. The APS is charging \$300 per employers for each table.

Motion (Callahan/ Mehlhorn) To waive registration fee for Job Fair this year.

Passed unanimously.

The dates for the upcoming DPP meetings are:

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 (October 31-November 4, 2016, San Jose, California)

Terri Gaier also requested ideas for sites for the 2017. There is the possibility for a co-location with the Fluid Dynamics meeting.

18. International Union of Pure and Applied Physics Commission

Mark Koepke/Gregory Hebner submitted a written report. The new representative from IUPAP is Greg Hebner from Sandia.

19. Division Councilor Report

The division Councilor Vincent Chan reported on the APS Executive Board meeting. There was an attempt to get lapsed APS fellows to rejoin the Society.

Action #10 Cary Forest to send out emails to lapsed fellows from DPP to encourage them to rejoin APS.

The APS Executive Board has set up three types of policy statements.

1) Public policy statements 2) Executive board statements, 3) APS unit statements
Kate Kirby described mechanisms for issuing each type of statement.

20. Coalition for Plasma Science Activities

Written report submitted by Lee Berry. He mentioned that there was a \$5000 annual contribution to the Coalition for Plasma Science from both APS and IEEE.

21. Other New Business

None.

22. Date for 2012 Spring Executive Committee Meeting

Saturday, March 31, Atlanta, Georgia (*start time 10:00 a.m.*)

23. Motion (Montgomery/Mehlhorn): There was a motion to adjourn the meeting.

Passed unanimously.

The meeting was adjourned at approximately 6 pm.
