

October 2019 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for October 2019. This newsletter will be archived on the DPF website.

If you would like an announcement included in the November newsletter, to be sent out around November 15th, please contact the DPF Secretary/Treasurer. Please keep requests to 300 words and submit them by the **10th of the month** for consideration.

Mirjam Cvetič, Secretary/Treasurer, cvetic@physics.upenn.edu

Rick Van Kooten, Member-at-Large, rvankoot@indiana.edu

Elizabeth Worcester, Member-at-Large, etw@bnl.gov

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Snowmass Planning

The Division of Particles and Fields of the American Physical Society announces the next HEP Community Planning Exercise (a.k.a. Snowmass)

The Snowmass Community Planning Process is organized by the Division of Particles and Fields of the APS. In order to coordinate efforts across divisions, a steering committee consisting of the DPF executive committee with representatives from the executive committees of DAP, DPB, DNP, and DGRAV will meet regularly. Snowmass is an opportunity for the entire HEP community to come together to identify and document a vision for the future of particle physics in the U.S. and its international partners. Workshops will be organized over the next couple years, culminating in a 2021 summer session that pulls all the work together. Snowmass provides input to the HEPAP prioritization panel (P5), which in turn provides advice under a set of funding scenarios to the agencies on future projects and scientific programs.

Dates and Site Selection: The dates for the summer study are **July 11 - 20, 2021** and we are now soliciting site proposals. Send site proposals to cushman@umn.edu by November 15, 2019 and they will be evaluated by the entire DPF executive committee. Plan for ~ 1000 attendees. Include the following: Names of your local organizing committee, cost and availability of lodging (mix of low- and high-end hotels, dorms or retreat center), public transportation, rough estimate of registration cost prior to any supplement provided by DOE or a private foundation, although your plans for defraying the cost can be included. Include parallel session rooms, auditorium (seats ~ 1000), coffee breaks, AV, and administrative help. Provide a rough estimate of banquet or reception costs separately. Feel free to include any special advantages of your venue. For your reference, the 2013 website is still (mostly) available at <http://www.hep.umn.edu/css2013/>

Convener Nomination: We are soliciting nominations of conveners for the working groups that will become the main organizing bodies for workshops, white papers, and the final summary paper. Our intention is to pair junior and senior career scientists, as well as appropriate representation of theory vs experiment. The details of this process, which is designed to create the broadest and best representative sampling of our field, is found at <https://snowmass-wiki.fnal.gov>. There you will find a job description for conveners, as well as how to send in your nomination. Nominations must be received by **November 15, 2019**. The list of topics for which you may make nominations is in a separate file.

Input to the Process: Your contributions and participation will naturally occur as part of one or more working groups directed by the conveners, as well as by nominating conveners and subconveners. As we put together the process, you are also welcome to provide input and suggestions on the Slack channel and APS Engage website (these are coming soon!). You will be able to use these platforms to comment throughout the entire process from subtopics to workshop planning schedules. We are ahead of schedule when compared to the process in 2013. We aim for everyone's voice to be heard.

Sincerely,
Priscilla Cushman (DPF Chair)
Young-Kee Kim (DPF Chair-elect)
Tao Han (DPF Vice-chair)

2020 DPF Election Announcement

21 October – 1 December, 2019

To: DPF Members

The election for DPF Vice-Chair, Executive Committee Member-at-Large, and Early Career Member has begun. You should receive an email message within the next few days that contains instructions for voting and has a personalized link that you should follow to find your ballot. The message will be sent from the domain "directvote.net". Please ensure that this email domain is "whitelisted" in your spam filters to avoid the message being sent to your spam folder. When you receive the election notice from "directvote.net", please click on the link provided or cut and paste the link into your browser to log onto the election website. The election site will be available from October 21 through December 1, 2019. Voting in the DPF election is an important activity! Your participation in the DPF election is very much appreciated. Thank you very much for your support.

International Workshop on Future Linear Colliders (LCWS-2019)

October 28 – November 1, 2019

Registration is now open for LCWS2019.

The 2019 International Workshop on Future Linear Colliders (LCWS 2019) will be held in Sendai, Japan, from October 28 (Monday) to November 1 (Friday) at the Sendai International Center. It follows the successful recent workshops in Strasbourg, France (LCWS 2017) and Arlington, Texas (LCWS 2018).

Registration is now open at the workshop home page:

<http://epx.phys.tohoku.ac.jp/LCWS2019/>

As with previous workshops in the series, it will cover the physics, detector, and accelerator issues of CLIC and the ILC. It comes as the European Particle Physics Strategy Update is in its final phase, and as the Japanese government approaches a decision on hosting the ILC.

There will be exhibitions and a special session on relevant industries.

The meeting coincides with the peak of autumn foliage with many popular spots in the surrounding area. Autumn is also the season for the harvest.

We're looking forward to seeing you in Sendai!

Jim Brau, Shin Michizono, Steinar Stapnes Co-chairs, LCWS 2019 Program Committee

Hitoshi Yamamoto
Chair, Local Organization Committee

Ozaki Exchange Program

November 1, 2019

Ozaki Exchange Program, funded jointly by the U.S. and Japan, was established in 2018 to strengthen U.S.-Japan scientific collaboration and to facilitate greater cooperation in the areas of accelerator and particle physics by supporting the exchange of graduate students between Japan and the United States. All graduate students enrolled, or undergraduate students already accepted for enrollment, in accredited Japanese or U.S. physics Ph.D. programs are eligible to apply. 4 US students and 2 Japanese students were awarded in 2019. The program will be open for application on or around Nov 1, 2019. For more details, please visit <https://www.bnl.gov/ozaki/>.

DPF Instrumentation Award and DPF Instrumentation Early Career Award

Deadline: November 6, 2019

The [DPF Instrumentation Award](#) and [DPF Instrumentation Early Career Award](#) are bestowed annually to honor exceptional contributions to instrumentation advancing the field of particle physics through the invention, refinement, or application of instrumentation and detectors. The awards recognize accomplishments in one or more of the following areas:

- Conceptualization and development of unique instrumentation that has made a significant impact on the field.
- Demonstration of the innovative use of instrumentation.
- Stimulation of other researchers to use new techniques and methods.
- Authorship of research papers or books that have had an influential role in the use of instrumentation.

The **DPF Instrumentation Award** recognizes outstanding achievements in particle physics instrumentation that have had a major impact on the field through the awardee's dedication over a substantial portion of an entire career, while the **DPF Instrumentation Early Career Award** recognizes achievements having a significant impact at an early career stage. For the purpose of this award, the early career stage is taken to be approximately 15 years from a Ph.D. or other terminal degree, with due account for interruptions and other factors in nominees' careers.

Award recipients will present award lectures at the 2019 CPAD December meeting.

Nominations need the following components:

- A nominating letter of not more than 5,000 characters (about two pages) evaluating the qualifications of the nominee(s)
- A biographical sketch or CV
- At least two, but not more than three, seconding letters

Nominations will be active for three years.

Nominations for the 2019 award will be accepted through [Academic Jobs Online \(AJO\)](#) from now through November 6, 2019. Click the "Nominate" link on the 7th line under "Description."

Nominators should submit all of the material listed above, except the supporting letters. The names and email addresses of the supporting letter-writers should also be included in the nomination packet. If you encounter difficulty with the site, contact Bob Bernstein (rhbob@fnal.gov).

It is important to remember the membership of APS is diverse and global, so the Prize and Award winners as well as Fellows of the APS should reflect that diversity. Nominations of women, members of underrepresented minority groups, and scientists from outside the United States are especially encouraged. Nominations of qualified junior scientists are especially welcome this year and in subsequent odd-numbered years.

If you have any questions about the award, please contact the award committee:

Committee:

- Rick Van Berg (Chair) (rick@hep.upenn.edu)
- Roger Rusack (Vice-Chair) (rusack@umn.edu)
- Hong Ma (hma@bnl.gov)
- Sunil Golwala (golwala@caltech.edu) and the 2018 recipients:
- Rinaldo Santonico (rinaldo.santonico@roma2.infn.it)
- Javier Tiffenberg (javiert@fnal.gov)

20th International Workshop on Next Generation Nucleon Decay and Neutrino Detectors – NNN2019

7—9 November, 2019

Dear Colleagues,

The NNN19 workshop will be held for the first time in Latin America at the University of Medellin, Colombia, on November 7-9, 2019. These series of workshops bring together experts from across the particle physics community to discuss future large-scale detectors for research on nucleon decay and neutrino physics. This year NNN will complete 20 years since its first version on 1999 at Stony Brook University, New York, USA. The workshop will consist of invited plenary talks, contributed talks in parallel sessions and a poster session addressing the following topics:

- Proton decay
- CP violation in the leptonic sector
- High intensity neutrino beams
- Supernova neutrinos
- Solar neutrinos
- Atmospheric neutrinos
- Reactor neutrinos
- Large detectors R&D

Detailed information of registration, abstract submission, accommodation and travel is provided at the workshop webpage: <http://www.nnn19medellin.com>

Important dates:

Abstract submission deadline: 6th of September 2019 EXPIRED

Registration deadline: 31st of October 2019 EXPIRED

If you have any questions, please feel free to reach us anytime at:

nnn19medellin@udem.edu.co

We look forward to meeting you in Colombia.

Sincerely,

Alex Tapia (Co-chair), David Martinez Caicedo (Co-chair), Richard Benavides, Diego Restrepo, Jaime Betancourt, Eduardo Rojas, David Vanegas Forero.

Coordinating Panel for Advanced Detectors (CPAD)

Deadline: 15 November, 2019

The Coordinating Panel for Advanced Detectors (CPAD) of the APS Division of Particles and Fields will hold its fifth annual instrumentation workshop in Madison, WI from **December 8-10, 2019**. The workshop will be organized by the University of Wisconsin - Madison. The meeting website is <https://wp.physics.wisc.edu/cpad2019/>

The goal of the workshop is to survey the state of detector R&D for particle physics at the energy, intensity, and cosmic frontiers to summarize the instrumentation needs of the physics drivers and the state of detector technology in the field and identifies promising technologies to pursue with further R&D.

This meeting will provide a community forum for input into the DOE Basic Research Needs (BRN) Study on HEP Detector Research and Development via townhall discussions organized around technology and science drivers.

The workshop will feature a plenary session with overview talks covering physics goals and instrumentation needs and then break into parallel working sessions to discuss specific detector technologies in more detail. A poster session will provide additional opportunity for participants to present their work. The working groups come together again for discussions and summary presentations at the end of the meeting. The registration deadline is Friday **November 15th**.

On behalf of the scientific program and local organizing committees:

Kimberly Palladino (local chair)

Alvaro Chavarria

Marcel Demarteau

Dmitri Denisov

Maurice Garcia-Sciveres

Ulrich Heintz

Benjamin Jones

Ronald Lipton

Petra Merkel

Ian Shipsey

Rick Van Berg

Bob Wagner

Gensheng Wang

Conference on Neutrino and Nuclear Physics 2020 (CNNP2020)

24-28 February 2019
Abstract Deadline: 30 October, 2019

Opening of registration & Abstracts extension

The International Conference on Neutrino and Nuclear Physics 2020 (CNNP2020) is the second in the CNNP series and will be held from **24-28 February 2020** in South Africa, hosted by iThemba LABS. This conference will bring the nuclear and neutrino communities together in order to exchange ideas and results and build on the very successful inaugural CNNP conference held in Catania, Italy, in October 2017.

We are pleased to announce that the registration process for CNNP2020 opened on 1 October 2019. Furthermore, please note that the period for abstract submissions was extended to **30 October 2019**. To submit your abstract, please go to <https://indico.tlabs.ac.za/event/85/abstracts/>

For more information, including the list of confirmed invited speakers, please visit <https://indico.tlabs.ac.za/event/85/> or contact us at cnnp2020@tlabs.ac.za.

Local Organizing Committee, CNNP2020

Instrumentation for Colliding Beam Physics (INSTR20)

24-28 February, 2020

Dear colleague,

We are pleased to inform you that the Conference "Instrumentation for Colliding Beam Physics" (INSTR20) will be jointly organized by the Budker Institute of Nuclear Physics and Novosibirsk State University and held in the Budker Institute, Novosibirsk, Russia in the period from 24 to 28 February, 2020.

Registration is already opened on the website: <http://instr20.inp.nsk.su>

You are kindly invited to participate and register at your earliest convenience. Please also inform all potentially interested colleagues and encourage them to register.

Looking forward to meeting you in Novosibirsk in February 2020.

Organizing Committee