

September 2020 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for September 2020. This newsletter will be archived on the DPF website. If you would like an announcement included in the October newsletter, to be sent out around October 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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APS Honors Committees

DPF Instrumentation Award

(Deadline: September 30)

<https://aps.org/units/dfp/awards/instrumentation.cfm>

- Roger Rusack (Chair) DPF
- Gabriella Carin (Vice-Chair) CPAD
- Sunil Golwala DPF
- Ulrich Heintz CPAD
- Hanguo Wang ('19 winner)
- Ana Amelia Machado ('19 winner, early)
- Ettore Segreto ('19 winner, early)

J. J. and Noriko Sakurai Dissertation Award in Theoretical Particle Physics

(Deadline: September 30)

<https://aps.org/programs/honors/prizes/particle.cfm>

- Andre Luiz De Govea (Chair)
- Laura Reina (Vice-Chair)
- Tracy Slatyer ('19 Recipients Advisor)
- Graham Kribs
- Leonardo Rastelli

Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics

(Deadline: September 30)

<https://aps.org/programs/honors/prizes/tanaka.cfm>

- Chris Rogan (Chair)
- Steve Lamoreaux ('19 Recipients Advisor)
- Craig Dukes
- Georgia Karagiorgi
- Dinesh Loomba

APS Fellowships (Deadline: May 1)

- Prisca Cushman, DPF Past Chair (chair)
- Tao Han, DPF Chair-Elect
- Joel Butler, DPF Vice-Chair
- Elizabeth Simmons, DPF Councilor
- Juan Maldacena
- Stefan Soldner-Rembold

Wilson Prize (Deadline: June 1)

- Ken Bloom, Nebraska (Chair, DPF)
- Dan Marlow, Princeton (DPF)
- Gina Rameika, Fermilab (DPF)
- Mei Bai, GSI (DPB)
- Alexander Valishev, Fermilab (DPB)
- Steve Peggs, BNL (DPB)
- [Bruce Carlsten \(2020 awardee\)](#)

Panofsky Prize (Deadline: June 1)

- Mirjam Cvetič (chair)
- Kam-Biu Luk (vice-chair)
- Paulo Rumiero
- Eva Halkiadakis
- [Wesley Smith \(2020 awardee\)](#)

Sakurai Prize (Deadline: June 1)

- Kaladi Babu (chair)
- Neal Weiner (vice-chair)
- Carlos Wagner
- Shufang Su
- [Pierre Sikivie \(2020 awardee\)](#)

Primakoff Early Career Award (Deadline: June 1)

- Hooman Davoudiasl (chair)
- Ed Blucher (vice-chair)
- Brenna Flaugher
- Jinming Qian
- Sekhar Chivukula
- [Matt Pyle \(2020 awardee\)](#)

DPF 2021 Election

The election for Division of Particles and Fields (DPF) executive committee members is now open. DPF members should have already received an email with instructions on casting their vote. Offices to be filled by this election are Vice-Chair, Members (2), and Early-career Member. The deadline for voting is October 20.

Mirjam Cvetič
DPF Secretary/Treasurer

Snowmass News

Dear colleagues,

Over the next year, the U.S. particle physics community will be engaged in Snowmass 2021, an in-depth process to define the most important questions for our field and to identify the most promising opportunities to address these questions in a global context.

The Community Planning Meeting (CPM) 2020 will be a virtual meeting and be open to everyone. It will take place on October 5-8. The overall program is available at <https://indico.fnal.gov/event/44870/>. Registration is required to attend the CPM and is <https://indico.fnal.gov/event/44870/>. We have received more than 1,500 Letters of Interest!! Frontier and Topical Group conveners will use these to prepare for breakout sessions.

The primary goal of the CPM is to develop plans or steps (“Snowmass Planning”) to achieve a successful Snowmass 2021 report. A huge number of diverse topics have been identified. Many topics touch multiple frontiers and topical groups. There are many challenges to converge. There are many challenges to properly and inclusively implement inputs from the community and to communicate that with the community. All of this requires a clear layout of steps to take between October 2020 (CPM) and October 2021 (Report). The CPM is to build these steps.

Please read more from September Snowmass Newsletter (<https://snowmass21.org/announcements>).

A preliminary program consists of

- Oct. 5, 12:00-17:00 EDT (Plenary): Introduction, Inspiring talk about the field, Plans in other regions and in related fields, Remarks from funding agencies, Community voices
- Oct. 6, 10:00-11:00 EDT (Plenary): Future Global Accelerator Facilities - Panel Discussion
- Oct. 6, 12:00-17:00 EDT (Parallel): Organized Breakout Sessions and Unorganized Chat Rooms
- Oct. 7, 12:00-17:00 EDT (Parallel): Organized Breakout Sessions and Unorganized Chat Rooms
- Oct. 8, 12:00-17:00 EDT (Plenary): Report from Early Careers, Reports from Frontiers - Summaries of Breakout Sessions and Nest Steps, Inspiring talk about community engagement

Registration is open (<https://indico.fnal.gov/event/44870/registrations/>). You can find additional information available at <https://indico.fnal.gov/event/44870/>.

Thank you for submitting Letters of Interest (Lols), 2-page informal documents including opinions, interests and proposals that could further be studied. These Lols will help Snowmass conveners to prepare breakout sessions of the CPM meeting. We look forward to receiving more Lols. Instructions for submitting them are available at <https://snowmass21.org/loi>

Best regards,

Young-Kee Kim, DPF Chair

On behalf of the Snowmass Organization Team

September Snowmass Newsletter -

https://indico.fnal.gov/event/23818/attachments/134558/166579/Snowmass_Newsletter_September.pdf

Americas Workshop on Linear Colliders (AWLC2020)

October 19-23, 2020

Hosted by SLAC National Accelerator Laboratory

Preparations for the International Linear Collider in Japan have recently moved forward with the formation of the International Development Team, hosted by KEK. At the meeting of ICFA and the Linear Collider Board during this summer's ICHEP conference, ICFA announced this new phase of the ILC preparations:

<https://www.interactions.org/press-release/icfa-announces-new-phase-towards-preparation-international>

This step calls for renewed discussion of the possible contributions to this project from laboratories, university groups, and individuals. At the same time, the developing United States community planning process, Snowmass 2021, calls for a coordinated discussion and articulation of the scientific significance of the ILC and the roles envisioned for US scientists. Similar planning exercises are being done in Canada and Latin America. To address all of these developments, we are planning a workshop hosted by SLAC. The workshop will be conducted virtually the week of October 19-23.

The workshop will bring together interested scientists from the global community to discuss the transition phase toward final preparations for the ILC and to formulate updated community plans and actions. The agenda will cover the present status of the ILC project and the opportunities available for participation in accelerator R&D, detector R&D, and physics studies. It will also include a focused discussion of opportunities at the ILC for early career physicists.

The workshop will be by video, with free registration. The conference web site is:

<https://conf.slac.stanford.edu/awlc2020/>

— Jim Brau, Hugh Montgomery, Andy White (AWLC 2020 chairs)

Expressions of Interest for Potential Cooperation on the Electron Ion Collider Experimental Program

Deadline: 1 November, 2020

Dear prospective Electron-Ion Collider users,

Brookhaven National Laboratory (BNL), in association with Thomas Jefferson National Accelerator Facility (TJNAF), would like to invite interested groups to submit an Expression of Interest (EOI) for their potential cooperation on the experimental equipment in support of a broad and successful science program at the Electron-Ion Collider (EIC).

We encourage interested groups to work together within their country, their geographical region, or as a general consortium, to submit such EOIs.

This call focuses on all detector components to facilitate the diverse EIC science program, including those integrated in the interaction region.

Please visit <https://www.bnl.gov/eic/EOI.php> to see further details about this call and how to submit an Expression of Interest.

Best regards,
Elke Aschenauer and Rolf Ent
for the EIC Project Team