

June 2021 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for June 2021. This newsletter will be archived on the DPF website. If you would like an announcement included in the July 2021 newsletter, to be sent out around July 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

Julia Gonski, Early Career Member, julia.lynne.gonski@gmail.com

Message from the DPF Executive Committee

We call to your attention the recording and resources from the recent APS webinar on the impact of research security concerns regarding China and the physics community:

<https://aps.org/programs/minorities/webinars/researchsecurity.cfm>

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2021 Meeting of the Division of Particles and Fields of the American Physical Society (DPF21)

12-14 July, 2021

Registration Deadline: **10 July, 2021**

Dear DPF Colleagues,

DPF21, hosted by Florida State University, will be held online (via Zoom) from July 12 to 14, 2021. It is an opportunity for attendees, especially young researchers, to present their findings. The bulk of this year's meeting will be parallel sessions with only opening and closing plenary sessions.

There will be no registration fee for attending DPF21.

Registration (deadline **July 10, 2021**) is available at this website:

<https://indico.cern.ch/event/1034469/overview>

We encourage all members to register and participate - and especially invite attendance by students and postdocs.

Best Regards,

Sekhar Chivukula (DPF Program Committee) and Todd Adams (FSU Local Organizing Committee)

Call for DPF Executive Committee Nominations

Nomination Deadline: **23 July, 2021**

The Division of Particles and Fields of the American Physical Society will soon conduct its annual elections for the Executive Committee. To help ensure that the slate of candidates represents the full breadth of the diverse DPF community, the DPF Nominating Committee is seeking suggestions for the following positions:

- The Vice Chair (first year of four-year Vice-Chair/Chair-elect/Chair/Past-Chair rotation)
- An APS Councilor
- The Secretary Treasurer
- Two Members-at-large
- One Early Career member

The Nominating Committee would particularly like to encourage suggestions for the Early Career member position.

Please send your suggestions via email to Heidi Schellman, Chair of the Nominating Committee (heidi.schellman@oregonstate.edu) with DPF in the subject line. In addition to the candidate's name, please indicate which position(s) you are suggesting the candidate for and a short summary of the candidate's qualifications. The candidate's CV or a summary of qualifications must be provided as well as primary E-mail of the candidate. Nominators are not required to be members of DPF but nominees must be at the time of the election.

Suggestions received before 5:00 p.m. EDT on Friday 23 July, 2021 will receive full consideration.

More details about current officers and related governance information can be found on the [DPF website](#).

Serving a diverse and inclusive community of physicists worldwide is a primary goal for APS. Nominations of women, members of underrepresented minority groups, and scientists from outside the United States are encouraged. We are looking forward to receiving your nominations.

Thank you and best wishes,

Heidi Schellman
Chair of the DPF Nominating Committee

Call for DPF Instrumentation Award Nominations

Nomination Deadline: **30 September, 2021**

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 be invited to present a lecture at the 2022 CPAD meeting.

Complete nominations have:

- A nominating letter of not more than 5,000 characters, about two pages.
- A biographical sketch or CV.
- At least two, but not more than three, seconding letters.

Nominations for the 2021 award will be accepted through Academic Jobs Online (AJO) from now through **September 30th, 2021**. Nominations will remain active for three years. The nominating letter and the CV should be uploaded to <https://academicjobsonline.org/ajo/jobs/18758>, click the "Nominate" link under "Description".

The names and email addresses of the supporting letter-writers should also be included in the nomination packet. The membership of APS is diverse, so the nominees should reflect that diversity. The nomination of women or members of underrepresented minority groups is therefore strongly encouraged. The membership is also global, so nominations of scientists from outside of the United States are welcome.

See <https://engage.aps.org/dpf/honors/prizes-awards/instrumentation-award> for further information and past recipients.

If you have any questions about the award, please contact the award chair, [Gabiella Carini](#).

Committee:

- Gabriella Carini (Chair): carini@bnl.gov
- Andrew White (vice-Chair): awhite@uta.edu
- Juan Estrada: estrada@fnal.gov
- Ulrich Heintz: ulrich_heintz@brown.edu
- Jennifer L. Raaf: jlraaf@fnal.gov
- Paolo Rumerio: rumerio@cern.ch
- Lindley Winslow: lwinslow@mit.edu
- Jinlong Zhang: zhangjl@anl.gov

Call for DPF Mentoring Award Nominations

Nomination Deadline: **30 September, 2021**

The Division of Particles and Fields of the American Physical Society has established an award to honor exceptional mentoring, broadly defined, to be bestowed annually.

This APS Unit Award is intended to recognize DPF members who have had an exceptional impact as mentors of particle physics scientists and students. This mentoring could be through teaching or research or science-related activities and is meant to recognize current achievements as well as those spanning a career.

Examples of contributions honored by this award include:

- Exceptional mentoring of early career particle physicists
- Sustained commitment to mentoring early career particle physicists from traditionally under-represented backgrounds
- A leadership role in developing early career research and career development activities.

The award consists of a certificate indicating the citation chosen by the selection committee, to be awarded at the next DPF Meeting. DPF will reimburse reasonable travel expenses for travel to the award ceremony.

Award Nomination Deadline: September 30, 2021

The Division of Particles and Fields of the American Physical Society is pleased to announce that the **Call for Nominations** for the 2021 Mentoring Award is now **open**.

Successful applications have included letters from students, post-docs, and faculty members. Early career particle physicists include undergraduate and graduate students; postdoctoral scholars; and professionals early in their careers, such as assistant professors or assistant scientists.

Nomination packets should consist of

- a cover letter
- at least three but not more than four letters supporting the nomination
- a brief biographical sketch or CV of the candidate; and
- a list of past and current mentees, with the role of the mentor specified for each, and contact information, where possible.

Some past mentees may be contacted during the review process. At least two of the letters of support should be submitted by individuals who have benefited directly from the nominee's mentoring. There are no time limitations on contributions that can be recognized by this award. Only one nomination per candidate will be accepted (no multiple nominations). Nominations will be active and considered for three years. Please contact the chair of the Award Committee to determine if a potential nominee has an active nomination.

Nominations for the 2021 award will be accepted through [Academic Jobs Online \(AJO\)](https://academicprogramsonline.org/ajo/award/18811) (<https://academicprogramsonline.org/ajo/award/18811>) through **September 30, 2021**.

Click the "Nominate" link and you will be guided through the process. Nominators should submit the cover letter, the nominee's biographical sketch or CV, the list of mentees, and the names and email addresses of the letter-writers. Contact the Award Committee if you experience difficulties with the site or have questions.

2021 Award Committee:

- Pearl Sandick, Chair, U. of Utah
- Tim M.P. Tait, Chair Elect, UC Irvine
- Tesla Jeltema, UC Santa Cruz
- Josh Klein, U. Penn.
- Konstantin Matchev, U. of Florida

Call for Sakurai Dissertation Award Nominations

Nomination Deadline: **30 September, 2021**

Dear All,

On behalf of the DPF division of the APS we would like to encourage you and your colleagues to nominate outstanding students in Theoretical Particle Physics for the

- 2022 Sakurai Dissertation Award in Theoretical Particle Physics

and remind you that the deadline is approaching: September 30, 2021.

Information on rules and eligibility as well as nomination guidelines are available at:

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

We are looking forward to receiving your nominations and will be glad to answer questions you might have.

With best regards,

The 2022 Sakurai Dissertation Award Committee:

- Gary Shiu (Chair)
- Stefania Gori (Vice-Chair)
- Linda Carpenter
- Hai-bo Yu
- Patrick Meade (advisor of 2021 winner)

Call for Tanaka Dissertation Award Nominations

Nomination Deadline: **30 September, 2021**

The Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics provides recognition to exceptional young scientists who have performed doctoral thesis work of outstanding scientific quality and achievement in the area of experimental particle physics. Nominees from all of the areas of research that compose experimental particle physics are welcomed. The annual award consists of \$1,500, a certificate citing the accomplishments of the recipient, and an allowance of up to \$1,000 for travel to attend the APS April Meeting 2022, at which the award will be presented. Further details can be found on the award webpage (<https://www.aps.org/programs/honors/prizes/tanaka.cfm>).

The nomination deadline is September 30, 2021. First-time nominees must have passed their thesis defense between June 2, 2020 and August 31, 2021. A candidate may be renominated once for this award in the year following their original nomination. Nominations and detailed supporting documentation should be submitted via the link on the award webpage.

The membership of APS is diverse and global, and the nominees and recipients of APS Honors should reflect that diversity so that all are recognized for their impact on our community. Nominations of members belonging to groups traditionally underrepresented in physics, such as women, LGBT+ scientists, scientists who are Black, Indigenous, and people of color (BIPOC), disabled scientists, and scientists from outside the United States are especially encouraged.

2022 Tanaka Dissertation Award Committee:

- Kevin McFarland (Chair)
- Tom Browder
- Melissa Franklin
- Petar Maksimovic
- Mayda Velasco

49th SLAC Summer Institute

16-27 August, 2021

Dear Colleagues:

The 49th SLAC Summer Institute will take place 16-27 Aug 2021. The theme for this year's installment is "The Higgs State Fair" and will broadly cover issues related to the physics of the Higgs sector in the Standard Model and beyond.

Due to the ongoing COVID-19 pandemic, this year's SSI will take the form of a series of on-line lectures given via Zoom. Registration (which is free) is still requested of all attendees. The full program and further details can be found on the SSI webpage:

<https://conf.slac.stanford.edu/ssi2021>

SSI has a long tradition of offering comprehensible lectures for advanced graduate students & postdoctoral fellows while senior researchers are always welcome. If you have further questions, please contact us at ssi@slac.stanford.edu.

We hope to see you (virtually!) at SLAC this summer for SSI 2021!

The SSI 2021 Program Directors,
Mark Convery, Lisa Kaufman, Greg Madejski, Su Dong, Rich Partridge, Charlie Young, and Tom Rizzo (chair)

SUSY 2021

23-28 August, 2021

(ITP, Beijing, virtual online)

<https://indico.cern.ch/event/875077/>

The XXVIIIth International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021) will be organized by the Institute of Theoretical Physics, Chinese Academy of Sciences, China, during August 23-28, 2021. Due to the ongoing pandemic and associated travel restrictions, SUSY 2021 will be held entirely virtual online. The goal of the conference is to review and discuss the recent progresses in theoretical, phenomenological, and experimental aspects of supersymmetric theories and grand unified theories, as well as supersymmetry alternative, Higgs physics, neutrino physics, flavor physics, dark matter, electroweak phase transition, astroparticle physics, gravitational waves, connection between particle physics and cosmology, supergravity theory and string theory, etc.

Contact: Tianjun Li (susy2021@itp.ac.cn)