

## July 2020 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for July 2020. This newsletter will be archived on the DPF website. If you would like an announcement included in the August newsletter, to be sent out around August 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](mailto:cvetic@physics.upenn.edu)

Rick Van Kooten, Member-at-Large, [rvankoot@indiana.edu](mailto:rvankoot@indiana.edu)

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## APS Honors Committees

### DPF Instrumentation Award

**(Deadline: September 30)**

<https://aps.org/units/dpf/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 Flaughner
- Jinming Qian
- Sekhar Chivukula
- [Matt Pyle \(2020 awardee\)](#)

## Snowmass News

For the July Snowmass newsletter, see:

[https://indico.fnal.gov/event/23815/attachments/130475/159562/Snowmass Newsletter July 2020.pdf](https://indico.fnal.gov/event/23815/attachments/130475/159562/Snowmass_Newsletter_July_2020.pdf)

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 process will have its roots in a series of preparatory meetings organized by Snowmass conveners, starting with a virtual Snowmass Planning Meeting on **October 5 - 9, 2020**, and ending with a Snowmass Summer Study at the University of Washington, Seattle, on **July 11 - 20, 2021**.

To optimally engage all participants in the process, the Division of Particles and Fields invites the international community to submit written documents as described below. Given the increasing importance of interdisciplinary work in related fields such as astrophysics, cosmology, gravity, nuclear physics, accelerator physics, AMO, and materials science, members of the Divisions of Astrophysics, Gravitational Physics, Nuclear Physics, Physics of Beams and members of other units with a connection to particle physics are strongly encouraged to participate in this process.

### **Letters of Interest (submission period: April 1, 2020 – August 31, 2020)**

Letters of interest allow Snowmass conveners to see what proposals to expect and to encourage the community to begin studying them. They will help conveners to prepare the Snowmass Planning Meeting that will take place virtually on October 5 - 9, 2020. Letters should give brief descriptions of the proposal and cite the relevant papers to study. Instructions for submitting letters are available at <https://snowmass21.org/loi>. Authors of the letters are encouraged to submit a full writeup for their work as a contributed paper.

### **Contributed Papers (submission period: April 1, 2020 – July 31, 2021)**

Contributed papers will be part of the Snowmass proceedings. They may include white papers on specific scientific areas, technical articles presenting new results on relevant physics topics, and reasoned expressions of physics priorities, including those related to community involvement. These papers and discussions throughout the Snowmass process will help shape the long-term strategy of particle physics in the U.S. Contributed papers will remain part of the permanent record of Snowmass 2021. Instructions for submitting contributed papers are available at <https://snowmass21.org/submissions/>.

Best regards,

Young-Kee Kim, DPF Chair

On behalf of the Snowmass Advisory Group (<https://snowmass21.org/start/advisory>)

The information presented at the April Snowmass Townhall Meeting is located at

<https://indico.fnal.gov/event/23601/>

## Alvin Tollestrup: A Life in Science

12 August, 2020

Dear colleague,

We are pleased to announce that during the 2020 Fermilab Users Meeting, there will be an extended session honoring Alvin Virgil Tollestrup. The details are:

Tollestrup Memorial and Remembrances

Wednesday August 12, 2020

10:00 to noon, Chicago Time (GMT-5)

Via Zoom Webinar

We encourage you attend this special session. You will get the Zoom link by registering for the Users Meeting (see below).

To honor Alvin during the Users Meeting, we have prepared several special presentations and remembrances. Additionally, we have created a special web site honoring Alvin (see below).

Because of your special relationship with Alvin, you may share a recollection at the third link, referenced below. This web page only accepts text. If you have a more complicated document (e.g., Word or PDF), or if you have photographs, please email them to Elliott McCrory at Fermilab ([mccrory@fnal.gov](mailto:mccrory@fnal.gov)).

We plan to publish all the materials in a book “Alvin Tollestrup: A Life in Science” and will greatly appreciate your input.

Here are the web links:

Users Meeting registration: <https://indico.fnal.gov/event/23109/registrations/2640/>

Honoring Alvin web site: <https://events.fnal.gov/honoring-alvin-tollestrup/>

Recollections submitted here: <https://events.fnal.gov/honoring-alvin-tollestrup/submit-your-recollections/>

Organizers: Elliott McCrory, Vladimir Shiltsev, Chris Quigg (Fermilab), Mark Palmer (Brookhaven)

# SLAC Summer Institute

10-21 August, 2020

Dear Colleagues:

The 48th SLAC Summer Institute will take place 10-21 Aug 2020. The theme for this year's installment is "The Almost Invisibles: Exploring the Weakly Coupled Universe" and will cover issues related to neutrinos, gravitational waves, dark matter and dark energy.

Due to the Covid19 virus, 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 website:

<https://conf.slac.stanford.edu/ssi2020>

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](mailto:ssi@slac.stanford.edu).

We hope to see you (virtually!) at SLAC this summer for SSI 2020!

The SSI 2020 Program Directors,

Mark Convery, Lisa Kaufman, Greg Madejski, Su Dong, Rich Partridge, Charlie Young, and Tom Rizzo (chair)

## 2020 Wu-Ki Tung Award for Early-Career Research on QCD

Deadline: 15 September, 2020

Dear Colleagues,

We are pleased to announce this year's nomination phase for the 2020 Wu-Ki Tung Award for Early-Career Research on QCD. The Wu-Ki Tung Award is to recognize outstanding contributions made by early-career physicists on experimental or theoretical research on Quantum Chromodynamics. The award is given annually and will consist of \$5,000, a certificate citing the contributions of the recipient and support for travel to a CTEQ Summer School to deliver an invited lecture. Nominees must have received a Ph.D. in experimental or theoretical particle physics within the last seven years, excluding any career breaks, by the time of nomination. Further details on the nomination and selection process may be found on the following website: [http://www.uic.edu/~varelas/tung\\_award/](http://www.uic.edu/~varelas/tung_award/)

We encourage you to nominate outstanding young scientists for this award. You may do so at the following website:

<https://academicjobsonline.org/ajo/jobs/16437>

The deadline for nomination is **September 15, 2020**. Nominations will remain active for one additional year and can be updated. The recipient will be selected by the CTEQ Collaboration and will be notified in December 2020.

*Serving a diverse and inclusive community of physicists worldwide is an important goal for CTEQ. Nominations of women and other members of underrepresented groups are especially encouraged.*

Best regards,  
Nikos Varelas, Cynthia Keppel, and Pavel Nadolsky  
for the CTEQ Collaboration

# 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