The Division of Nuclear Physics home page is available at [https://engage.aps.org/dnp/home](https://engage.aps.org/dnp/home). Information of interest to DNP members such as nominations, prizes, and committee memberships can be found there. The DNP newsletters are also posted online. Comments and suggestions are solicited and can be sent to Jeff Nico at jeffrey.nico@nist.gov.

### I. DNP 2021 FALL MEETING

The Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society is scheduled to be held October 11-14.

Topical workshops are planned for Monday morning, followed by the opening plenary session on Monday afternoon, starting at 3:00 p.m. Parallel scientific sessions — invited speaker sessions, mini-symposia, and contributed sessions — will be held Tuesday and Wednesday, both morning and afternoon, as well as on Thursday morning. The CEU poster session will be held on Tuesday afternoon, see the CEU announcement in this newsletter. The CEU sessions will be incorporated into the meeting Epitome. The Business/Town Meeting will be held following the second afternoon session on Wednesday.

The Local Organizing Committee is chaired by Or Hen (MIT), with members: Areg Danagoulian (MIT), John Doyle (Harvard), Christopher Grant (BU), David Kawall (UMass Amherst), Elsye Luc (MIT), Richard Milner (MIT), Andrew Rogers (UMass. Lowell) and Phiala Shanahan (MIT).

The Local Organizing Committee (LOC) has arranged four workshops for Monday morning, intended as introductions to the given topics. Two workshops, entitled: “Frontiers of Nuclear Science” and “Diversity and Inclusion in Nuclear Physics” will cover the entire morning. The third morning session will be divided into two topics, “Nuclear Science Applications” followed by “Quantum Technology for Nuclear Physics”.

The Plenary session starts at 3:00 pm Monday with talks organized under the theme “Nuclear Science Delivering for Society”. The Program Committee, under the leadership of Vicki Greene, has organized 6 invited sessions which will begin at 8:30 am on Tuesday morning and run through Thursday at 1:00 pm.

The Program Committee has organized a number of high-interest invited sessions:

- CKM Unitarity and Anomalies in $V_{us}/V_{ud}$
- Connecting Heavy-Ion Collisions to Neutron Star Mergers
- From Tagged DIS at JLab to Forward Physics at the EIC
- Fundamental Physics at Next Generation Neutron Sources (LOC choice)
- New Precision Results in Hadronic Physics with Electroweak Probes
- Neutrino Frontiers
- Spin Physics at BNL and JLab, New Results on $J/\psi$ and the Road to the EIC

The 2021 DNP award session will include talks by the Freedman Award winner, the Dissertation Award winner, and the Mentoring Award winner.

There are 12 minisymposia planned for the Fall DNP meeting:

- Advancements and Opportunities of Polarized Targets and Beams
- Advances in EIC $eA$ science using RHIC and the LHC
- Astromers: Nuclear Isomers in Astrophysics
- BSM Searches in Fundamental Symmetries
- Hadron production in jet and medium
- Neutrinos and Nuclei
- Quantum Information Science and Nuclear Theory
- Short Range Correlations in Nuclei
- The Energy Momentum Tensor of Hadrons
- The Next Generation Nuclear Workforce
- The Unreasonable Effectiveness of Relativistic Fluid Dynamics in Heavy-Ion Collisions

The program will be posted soon.
1.1. DNP 2021 Meeting Registration

While DNP had planned and hoped for an in-person meeting, the spread of the Delta variant has caused us to reach the decision to hold a virtual meeting again this year. Many of our members from national laboratories and with unvaccinated children or immunocompromised family members would not have been able to attend. We sincerely hope that we will be able to go ahead with an in-person meeting in New Orleans, LA next October, as currently planned. We are also trying to return to Boston in 2024 for an in-person conference.

APS will handle meeting registration this year.

II. CEU PROGRAM

The 24th annual Conference Experience for Undergraduates (CEU), will be held in conjunction with the DNP 2021 Fall Meeting. More than 100 undergraduate students, who have been involved in nuclear science research during the past year, will participate in CEU21. The program will include several special events for undergraduates, including graduate mentors, a research poster session to which all DNP conference participants are invited, two nuclear physics seminars by members of the community, and a graduate school information session at which university and laboratory representatives will be present to share with the students about graduate school opportunities. This year students can also choose to present their research in an oral undergraduate research session instead of the poster session. The CEU is generously supported by the National Science Foundation, by the Department of Energy (through the national labs), the Division of Nuclear Physics, and Massachusetts Institute of Technology.

The CEU website is https://www.uwlax.edu/ceu. Graduate students can learn about CEU mentoring at: https://www.uwlax.edu/mentoring-program/.

III. DNP COMMITTEES

Executive Committee

- Sherry J. Yennello, Texas A&M, Chair (2021)
- S. Victoria Greene, Vanderbilt, Chair-Elect (2021)
- Haiyan Gao, Duke, Vice Chair (2021)
- Krishna S. Kumar, UMass Amherst, Past Chair (2021)
- Ramona Vogt, LLNL/UC Davis, Sec.-Treas. (2021)
- Libby McCutchan, BNL (2021)
- Zach Meisel, Ohio U. (2021)
- Emilie Passemar, Indiana U. (2021)
- Roxanne Springer, Duke (2021)
- Kelly Chipps, ORNL (2022)
- Jason Detwiler, UW (2022)
- Yulia Furlotova, JLab (2022)
- Christina Markert, UT Austin (2022)
- Emanuele Mereghetti, LANL (2022)
- Andreas Metz, Temple U. (2022)
- Amy Nicholson, UNC Chapel Hill (2022)
- Jorge Noronha, UIUC (2022)
- Peter Steinberg, BNL (2022)

2022 Hans Bethe Prize Committee
(Award April 2022)

- Guy Savard, ANL (Chair)
- Feryal Ozel, U Arizona (Vice-Chair)
- Jutta Escher, LLNL
- Sean Couch, MSU
- James W. Truran, U Chicago

2022 Tom Bonner Prize Committee
(Award April 2022)

- Cynthia Keppel, Hampton U (Chair)
- Steve Elliot, LANL (Vice Chair)
- Carl Gagliardi, Texas A&M
- Augusto Machiavelli, LBNL
- Geoffrey Greene, UT Knoxville, ORNL

2022 Herman Feshbach Prize Committee
(Award April 2022)

- Jolie Cizewski, Rutgers (Chair)
- Feng Yuan, LBNL (Vice Chair)
- John Beacom, OSU
- Achim Schwenk, TU Darmstadt
- Berndt Muller, Duke

2021 Stuart Jay Freedman Award Committee
(Award October 2021)
- Remco Zegers, MSU (Chair)
- Doug Beck, UIUC (Vice Chair)
- Yury Kolomensky, UC Berkeley
- Fred Wietfeldt, Tulane
- Marta Verweij, Utrecht University

2022 DNP Dissertation Award Committee
(Award October 2021)
- Sherry Yennello, Texas A&M (Chair)
- Krishna S. Kumar, UMass Amherst (Past Chair)
- Mohammed Ahmed, NCSU
- Martha Constantinou, Temple
- Julie Roche, Ohio U
- Richard Furnstahl, OSU

2021 DNP Distinguished Service Award Committee
(Award October 2021)
- Krishna S. Kumar, UMass Amherst (Chair)
- Sherry Yennello, Texas A&M
- S. Victoria Greene, Vanderbilt
- Robert V. F. Janssens, U North Carolina
- Ramona Vogt, LLNL/UC Davis

2021 DNP Mentoring Award Committee
(Award October 2021)
- Krishna S. Kumar, UMass Amherst (Chair)
- Shelly Lesher, U Wisconsin La Cross (CEU Coordinator)
- Betsy Beise, U Maryland
- Daniel Cebra, UC Davis
- Jolie Cizewski, Rutgers

2021 DNP Fellowship Committee
(Awards April 2022)
- Krishna S. Kumar, UMass Amherst (Chair)
- Helen Caines, Yale
- Chen-Yu Lu, Indiana U
- Shelly Lesher, U Wisconsin La Cross
- Sanjay Reddy, U Washington

2021 DNP Nominating Committee
(Elections Fall 2021)
- Fred Wietfeldt, Tulane (Chair)
- Filomena Nunes, MSU (Vice Chair)
- Xin Dong, LBNL
- Xiaochao Zheng, U Virginia
- Jorge Lopez, U Texas El Paso

2021 Ad Hoc Diversity, Equity, and Inclusion Committee
- Filomena Nunes, MSU (Co-Chair)
- Roxanne Springer, Duke (Co-Chair)
- Paul Gueye, Michigan State
- Elena Long, University of New Hampshire
- Christine Nattrass, UT Knoxville
- Warren Rogers, Indiana Wesleyan
- Loida Nattrass, UT Knoxville
- Sherry Yennello, Texas A&M
- Allison Zec, University of Virginia

2021 Ad Hoc Education Committee
- Lauren McIntosh, Texas A&M (Chair)
- Shelly Lesher, U Wisconsin La Crosse (CEU Coordinator)
- Alejandro Garcia, U Washington (DNP Executive Committee Member)
- Hannah Anderson, Vanderbilt (Undergraduate)
- Mickey Chiu, BNL
- Paul Cottle, FSU
- Jorge Lopez, U Texas El Paso
- Alan Poon, LBNL
- Jo Ressler, LLNL
- Amy Schertz, William & Mary (Grad student)

2021 Ad Hoc Home Page Committee
- Jeffrey S. Nico, NIST (Chair)
- Christine Aidala, U Michigan (Vice Chair)

2021 Ad Hoc Publications Committee
- Jacquelyn Noronha-Hostler, UIUC (Chair)
- Carlo Frolich, NCSU (Vice Chair)
- Haiyan Gao, Duke

2021 Ad Hoc APS Nominations Committee
- Haiyan Gao, Duke (Chair)
- S. Victoria Greene, Vanderbilt
- Alejandro Garcia, U Washington
IV. UPCOMING CHANGES TO THE DNP BYLAWS

The DNP is working on further bylaw changes that are expected to be on the fall election ballot if they can be approved by the APS Council in time. The changes are only in the article of the bylaws related to DNP Committees. The Anti-Harassment Committee and the Education Committee have both been ad hoc committees, appointed by the chair year by year. These committees are unofficial, only listed in the bylaws under the general term “Ad Hoc” and not named committees, as opposed to standing committees such as the Fellowship Committee, which is listed in the bylaws as a sub-article with a clearly delineated Chair, number of members, and terms of appointment. The Chair Line feels that it is time for these two ad hoc committees to become standing DNP committees. The Anti-Harassment Committee will become the Diversity, Equity, and Inclusion Committee. Both the DEI Committee and the Education Committee will have a sub-article in the bylaws with a specified composition and terms of membership. In addition, the list of DNP Committees will be reorganized more systematically rather than having new committees added at the end of the article, as is currently the case. The exact wording of the proposed additions to the bylaws will be published in the November newsletter, ahead of the election.

In the interim, the DEI and Education Committees are proceeding as if they are standing committees and the committees have been re-formed with membership according to the updated bylaws. A summary of the DEI Committee and its initial activities is given here.

4.1. DEI Committee:

The Division of Nuclear Physics is pleased to announce the establishment of a new committee on Diversity, Equity, and Inclusion (DEI). This DEI committee will replace and expand upon the ad-hoc Anti-harassment Committee, chaired by Filomena Nunes (with members Ron Gilman, Warren Rogers, Roxanne Springer, and Sherry Yennello) that created the DNP Allies Program, the Dear Diary website of experiences, and other policies designed to make our DNP a more welcoming and inclusive community.

The request for a bylaw change to make this a permanent standing DNP committee has been submitted. The DEI committee and its purview were informed by the 2019 review of the Anti-harassment Committee and Allies Program conducted by Wouter Deconinck (chair), Julie Roche, Nadia Fomin, and John Wilkerson. In particular, the DEI will include broad representation (undergraduate, graduate, early career, as well as more senior members, including a member of the DNP chair line). The DEI committee will be responsible for measuring the climate our members experience (e.g., through post-meeting and annual surveys), will establish goals for each year, will create programs to achieve those goals, and will monitor progress towards those goals.

Currently the DEI committee is co-chaired by Filomena Nunes and Roxanne Springer. Potential members will be vetted and trained in parallel with DNP Allies candidates. We have commitments from Paul Gueye (Michigan State), Elena Long (University of New Hampshire), Christine Nattrass (University of Tennessee), Warren Rogers (Indiana Wesleyan), Loida Rosado del Rio (University of Puerto Rico), Sherry Yennello (Texas A&M), and Allison Zec (University of Virginia).

One of the first tasks of the DEI Committee will be to help collaborations (both theory and experiment) create codes of conduct that have consequences. You are invited to attend the DNP meeting workshop on 11 Oct where the community and representatives from the DOE, NSF, and the APS will continue this discussion, including what the key elements for any code of conduct are, and how each DNP member of a collaboration or conference participant can take responsibility for establishing and maintaining a culture where everyone can thrive.

DNP Allies news: With COVID-19 protocols restricting in-person APS meetings, one might think that harassment and unwelcoming behavior is automatically reduced. But anyone who reads the news knows that you can abuse people even without touching them. The best way to avoid problems is to announce the APS Code of Conduct at the start of every APS meeting and to remind people of it at every opportunity. For the most part, APS members are not intending to have a negative impact on others, but they may still cause damage if they are not thoughtful.

This past year, the DNP Allies were not attending in-person meetings, but created and administered session chair training so that session chairs could learn how to manage potentially unwelcome behavior. The APS’s Donna Greene educated us about the types of harassment that could happen at APS virtual meetings and was there as a resource during the DNP meeting. The DNP now has a best practice that all DNP session chairs will be trained on how to address potential violations of the APS Code of Conduct, and in general how to help deflect and diffuse discussions that do not further the physics mission.

Train the Trainers Pilot Program: The Allies Program is becoming very popular. At the moment Allies Programs exist at the DNP and at the DPP. The APS has responded to the increased demand for training more Allies by funding a Train the Trainers program where our Allies facilitator, Paulette Granberry Russell (North Star Consulting Network, LLC) will train existing DNP Allies to train the next cohort of Allies. That begins as a pilot program this Summer/Fall 2021.

4.1.1. Letter to the DNP Community from the DEI Committee Co-Chairs

TO: The DNP Community
FROM: Filomena Nunes and Roxanne Springer, co-chairs of the APS DNP Diversity, Equity, and Inclusion (DEI) Committee

RE: Requesting your conduct and ethics experiences to help educate DNP members and to help develop and implement codes of conduct and statements on ethics.

If you think your story could help educate DNP members about what can happen within the DNP community, and help inform how we can reduce interactions that harm our community, please share with us anything you experienced or witnessed that you think may violate the APS Code of Conduct (CoC) or the APS Guidelines on Ethics, removing all identifying information. You may submit these anonymously via the google form https://forms.gle/C2PmfN3A2PmKv838. It would be most helpful if you do this by Oct 10, 2021.

We deeply appreciate the generosity of the members who shared their experiences at DNP meetings with us in 2018. Some of those were gathered together to form the content of the Dear Diary compendium. Some of them we use as case studies to train new DNP Allies.

A lot has changed at the APS since we posted the Dear Diary. The APS Code of Conduct is now standard at April and March meetings, and at those and many other unit meetings attendees are required to acknowledge that they will abide by the CoC in order to register for a meeting. More recently, the APS Guidelines on Ethics was approved, and an Ethics Committee was established. To alert the APS to issues at meetings you can write a report at aps.ethicspoint.com or phone +1 (844) 660-3924. You may submit a concern anonymously. For a formal complaint about ethical behavior you may email ethics@aps.org. There is now an APS revocation policy that will have a statute of limitations of 10 years, but that is waived until Dec. 31, 2022.

What we request now is not a formal complaint (although of course you are free to do that as well via the above portals), and need not be a recent experience, but instead educational material. Words like “respect”, “harassment”, “plagiarism”, “professional”, and “appropriate” mean different things to different people. For our DNP community to form a culture that is welcoming and inclusive, and in which we agree on norms of behavior, we need to discuss examples and come to some agreement about what happened, whether it violates an APS policy, and if so how the community should address it.

We know that learning to be an “upstander” works: that if each of us learns how to respond in the moment we can help diffuse miscommunications, address microaggressions, etc. Along the way we need to decide what is and is not appropriate, provide respectful feedback if norms are violated unintentionally, establish due process for more egregious complaints, and agree on formal responses for those found responsible for severe or repeated violations.

We are excited at the prospect of seeing you again at DNP 2021 and wish everyone health and happiness in the meantime.

Thank you for your help and best regards,
Filomena Nunes and Roxanne Springer, co-chairs of the APS DNP Diversity, Equity, and Inclusion (DEI) committee.

V. FUTURE MEETINGS

5.1. DNP Fall Meetings

The dates and locations for the future DNP Fall Meetings are given below. The meeting will be in New Orleans in 2022, due to the move to the virtual venue in 2020. The Hawaii meeting has thus, with the concurrence of our colleagues in the JPS, been postponed until 2023.

2022 27-30 October New Orleans, LA
2023 TBD Hawaii, joint with JPS

The dates include the pre-meeting workshops, which are normally held in conjunction with the DNP Fall Meetings. These workshops, organized by the local organizing committee, have been a tradition at the DNP Fall Meetings since they began with the 1986 Vancouver meeting. All meeting attendees are welcome and encouraged to come. It has been the intention of the DNP Executive Committee that these “workshops” should have broad appeal, with introductory pedagogical talks for the benefit of those who have come primarily for the DNP meeting but want to take the opportunity to learn about a field important to the local community.

5.2. APS Spring Meetings

The dates for the next two April meetings are given below. The DNP prepares a program for these spring meetings as well, with invited sessions often organized jointly with other units. The meeting is an excellent opportunity to learn about new research and discoveries made by other units. The plenary session has often included Nobel laureates in physics. The DNP program committee also prepares mini-symposia for these meetings. The DNP prize sessions include talks by the Bethe, Bonner and Feshbach Prize winners. The DNP also holds a combined business meeting and town hall during the April meeting, with introduction of the new DNP Fellows and change of unit officers.

2022 9-12 April New York, NY
2023 15-18 April Minneapolis, MN

Any comments/suggestions regarding the April meeting should be sent to APS Director of Meetings, Hunter Clemens (clemens@aps.org).
VI. NEWS FROM PHYSICAL REVIEW C, CONTRIBUTED BY B. F. GIBSON

*Physical Review C* has published new experimental approaches and techniques only as part of a paper that is also reporting significant nuclear physics research results. However, milestone instrumentation developments take time before they produce important experimental results. Therefore, *Physical Review C* is expanding its scope to include papers that report significant advances in instrumentation for nuclear science, even when new measurements are not yet available.

Manuscripts focused on instrumentation should be relevant to major progress in nuclear science research and demonstrate a strong connection to advances in nuclear physics in order to be considered for publication. They must be physics oriented and open new opportunities; incremental developments will not be considered. Instrumentation papers will appear in the appropriate subject matter section of the journal.

We hope that readers will find it useful to learn about important instrumentation developments while significant physics results from these instruments are beginning to take shape.

VII. OTHER FORTHCOMING MEETINGS

Meeting organizers who wish to have their meetings advertised in the DNP newsletter should contact the DNP Secretary-Treasurer.