



TO: Members of the *Division of Nuclear Physics, APS*
FROM: Ken Hicks, Ohio U. – Secretary-Treasurer, DNP

HIGHLIGHTED IN THIS NEWSLETTER:

- 2019 DNP Fall Meeting
- 2019 DNP Committee Members

Future Deadlines:

- **1 September 2019** — DNP19 Early Registration
- **1 September 2019** — DNP19 Housing Reservations
- **8 October 2019** — DNP19 Late Registration

The home page for the Division of Nuclear Physics is available at <http://dnp.aps.org>. Information of interest to DNP members – nominations, prizes, meeting deadlines, *etc.* are provided. Each DNP Newsletter is posted online. Comments and suggestions are solicited. Please send them to Nadia Fomin at nfomin@utk.edu.

1. DNP 2019 FALL MEETING IN CRYSTAL CITY

The Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society will be held in Crystal City, VA, 13-17 October 2019. The meeting will run from Monday through noon on Thursday. Topical workshops will be held on Monday morning, followed by the opening plenary session on Monday afternoon, starting at 3:00 p.m. A reception will be held immediately following the plenary session. Parallel scientific sessions—invited speaker sessions, mini-symposia, and contributed sessions—will be held Tuesday and Wednesday morning and afternoon as well as on Thursday morning. The CEU poster session as well as the Physical Review Meet-the-Editors Drop-In reception will be scheduled in the late afternoon on Tuesday. The Business/Town Meeting will be Wednesday afternoon in the late afternoon.

Meeting website: <https://dnp2019.columbian.gwu.edu>

The meeting rooms are all located within the meeting hotel, the **Marriott Crystal Gateway**, located at Crystal City, near to Washington, DC. Nearby is the Marriott Crystal City Hotel (NOT the conference venue), which has a similar name. Please don't confuse the two!

Getting there:

The Marriott Gateway's website is:

<https://www.marriott.com/hotels/travel/wasgw-crystal-gateway-marriott/>

address: 1700 Jefferson Davis Highway, Arlington, VA 22202

phone: **703-920-3230**

There is **complementary shuttle service** to/from the Reagan Washington National Airport (airport code DCA). To schedule a shuttle pickup, call the above phone number. Follow signs to the shuttle pickup at the airport. For more information, see the DCA website (maps tab).

The Marriott Gateway is also on the DC Metro system, very close to the Crystal City station. A map of the Metro system and more information is available at the following website:

<https://washington.org/navigating-dc-metro>

From the Crystal City station, take the escalators up (there is only one exit) and at the midpoint up (between two escalators) look right for entrance to a shopping mall. Go past some shops and follow signs to the Marriott Gateway (there is an underground connector to the hotel).

At the meeting:

Registration will be held on the First Floor (above the Lobby Level), near the Arlington Ballroom. At registration, you'll get your meeting badge, which should be worn for all meeting functions. A pocket epitome, with a listing of session titles and other information, will be with your registration package. Note that there will no longer be a printed bulletin, but a PDF file of the bulletin will be available soon from the DNP website (www.aps.org/units/dnp).

Free internet is available in the hotel lobby. For those who booked a room at the Marriott Gateway, there is free internet available in the room only if you are a member of the Marriott rewards program (called Bonvoy). Signing up for Bonvoy is free.

Near there:

In the shopping area near the Metro, there are several restaurants, shops, and coffee shops, including a pharmacy. Within a 5-minute walk, there are many other restaurants and coffee shops. In the hotel, there is a reasonably-priced restaurant, which is also open for breakfast.

For more extensive shopping, just one Metro stop away is the Pentagon City shopping mall.

The National Mall in downtown Washington DC is easily reached via the Metro. There are many museums (free entrance to many of them).

For more information, go to:

<https://washington.org/dc-faqs-for-visitors/which-attractions-require-tickets>

Local Organizing Committee:

The Local Organizing Committee (LOC) is chaired by Bill Briscoe (GWU), with other members coming from several DC-area universities: Evie Downie (GWU), Michael Doring (GWU), Gerry Feldman (GWU), Harald Griesshammer (GWU), Maxim Mai (GWU), Nawal Benmouna (Montgomery College), Tanja Horn (CUA), Latifa Elouadrhiri (JLab), Thomas Cohen (UMD).

The Local Organizing Committee (LOC) has arranged three workshops for Monday morning, intended as didactic introductions to the given topics. The workshops are entitled: (1) "The nuclear equation of state in the era of gravitational waves", organized by L. Elouadrhiri and H. Griesshammer, (2) "Physics opportunities with the EIC", organized by Tanja Horn, and (3) "New data analysis methods", organized by H. Griesshammer and M. Doering. In addition, the LOC has arranged for banquet speaker **Sylvester James Gates**, who is well-known for his

role on President Obama's Council of Advisors on Science and Technology, as well as being the current Vice-President of the APS.

Program:

The Program Committee, under the leadership of Krishna Kumar, has organized 6 invited sessions which will begin at 8:30 am on Tuesday morning and run through Thursday at 1:00 pm. The Plenary session will include talks on topics that span the field: (1) Quantum Computing for Nuclear Physics, (2) Short-range Correlations in Nuclei, (3) EDM Searches in Nuclei, Nucleons and Molecules, and (4) Tests of QCD at the EIC. The Program Committee has organized a number of high-interest invited sessions:

- Nuclear Probes of Fundamental Symmetries
- Understanding the Nuclear Interaction Across Scales
- Spin, Sea Quarks and Femtography
- Structure of Proton-Rich Nuclei
- Particles, Nuclei and Stars via Beta Decay
- Hydrodynamic Simulations of the QGP: Successes and Challenges

The session organized by the Local Organizing Committee is entitled "Alternative career paths for a nuclear physicist". This session includes a talk by **US Rep. Elaine Luria**, a US Navy veteran, who represents Virginia's 2nd congressional district.

An award session, held on Wednesday afternoon, will include talks by the Nuclear Physics Dissertation Award co-winners, **Shirley Li** and **Isaac Upsal**, as well as by the Mentoring Award winner, **Sam Tabor**, and the Stuart Jay Freedman Award winner, **Or Hen**.

The DNP Business and Town Hall Meetings will be held from 4:30-6:30 pm on Wednesday, October 16. In addition to a discussion of the proposed changes to the DNP Bylaws, the DNP Distinguished Service Award will be presented to **John F. Wilkerson**.

Conference Organizers:

Complete Conference Coordinators, Inc. (CCC) will handle the meeting registration and hotel reservations through a web site that is linked to the Meeting website. A special room rate (government rate) for the meeting has been negotiated with the Crystal Gateway Marriott hotel, which serves as the meeting hotel for all sessions and special events. To obtain the conference rate, rooms must be reserved through the CCC website. The contact information for CCC is:

Complete Conference Coordinators, Inc.

Email: info@ccmeetings.com

Tel: **630-416-3030**

URL: <http://www.ccmeetings.com>

Registration will be through the CCC web site. A link to the registration website is available at the meeting website (see above). Reminders to register will be sent to all DNP members by email.

The registration fee includes the workshop and plenary session coffee break, and coffee will be available Tuesday through Thursday in the morning until the end of the break between the morning parallel sessions. The companion's registration fee offsets in part the cost of coffee breaks, the companions' program on Monday afternoon, and reception on Monday evening following the plenary session. The early registration deadline is 1 September 2019. The fee structure is listed on the conference website.

A banquet will be held on Wednesday starting at 7 pm in the Marriott Crystal Gateway at an additional cost of \$70 (advance) or \$85 (on-site). For graduate students, there is a social event on Tuesday evening, held at a local restaurant. The registration website provides the option to sign up for the graduate student dinner at a nominal fee. See the meeting website for more information.

Women in Science Social (Heather Garland):

The 5th consecutive Women in Science Social, a dinner and discussion event, will be held on Wednesday evening, October 16. This program was developed in an effort to provide a space for those who identify as women or non-binary to network and socialize with established people in the field of nuclear science. There are several points in a career where those who are part of underrepresented groups are likely to leave fields in STEM. These points include the second year of undergraduate or graduate programs and any time within a post doctoral position. The Women in Science Social is an organized effort to introduce early career scientists (including CEU students), who are women or non-binary individuals in the field of nuclear physics, to possible mentors within the Division of Nuclear Physics. Attendance for the Women in Science Social has increased over the past few years from 19 individuals to over 50 participants. Recently, discussion associated with the challenges that face women or non-binary people in science, and brainstorming of possible action-based solutions to these problems, has been included in the Women in Science Social event. If you are interested in attending the event, or would like to sponsor a CEU student's participation, please go to the meeting website (see above) and click the tab for the Women in Science Social.

2. CEU19, Shelly Leshner

The 22st annual Conference Experience for Undergraduates (CEU), will be held in conjunction with the DNP 2019 Fall Meeting. More than 100 undergraduate students, who have been involved in nuclear science research during the past year, will participate in CEU19. The program will include a number of special events for undergraduates, including a research poster session to which all DNP conference participants are invited, two nuclear physics seminars by Bob McKeown (JLab) and Ania Kwiatkowski (TRIUMF), an ice cream social, 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 a new undergraduate oral presentation session has been added, check your schedule! The CEU is generously supported by the National Science Foundation, by the Department of Energy (through the national labs) and the Division of Nuclear Physics.

CEU website: <https://www.uwlax.edu/ceu>

3. FUTURE APS SPRING MEETING INFORMATION

2020	April 18-21	Washington, DC
2021	April 17-20	Sacramento, CA
2022	April 23-26	Washington, DC

Any comments/suggestions should be sent to APS Meetings Manager, Terri Olsen (olsen@aps.org).

4. FUTURE DNP FALL MEETINGS

The premeeting workshops are normally held in conjunction with the DNP Fall Meetings. Holding workshops at the DNP Fall Meetings is a tradition that began with the 1986 Vancouver meeting. All meeting attendees are welcome and encouraged to come. It has been the intention of the DNP Executive Committees 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 of specialty of the local community.

2020	October, dates TBA	New Orleans, LA
2021	October, dates TBA	Boston, MA

5. DNP COMMITTEES

Executive Committee

Robert V.F. Janssens, Univ. of N. Carolina, Chair (2019)
Krishna S. Kumar, Univ. Massachusetts, Chair-Elect (2019)
Sherry J. Yennello, Texas A&M Univ., Vice-Chair (2019)
David J. Dean, ORNL, Past-Chair (2019)
Kenneth H. Hicks, Ohio Univ., Sec.-Trea. (2019)
A. Baha Balantekin, Univ. of Wisc., Div. Coun. (2021)
Jeffery C. Blackmon, LSU (2020)
Renee H. Fatemi, Univ. of Kentucky (2019)
Nadia Fomin, Univ. of Tennessee (2020)
Spencer R. Klein, LBNL (2019)
Julie Roche, Ohio Univ. (2020)
Ramona L. Vogt, LLNL (2019)

Program Committee

Krishna S. Kumar, Univ. Mass. Amherst, Chair (2019)
Sherry J. Yennello, Texas A&M Univ., Vice-Chair (2019)
Robert V.F. Janssens, UNC, DNP Chair (2019)
Kenneth H. Hicks, Ohio U., DNP Sec.-Trea. (2019)
Bill Briscoe, George Washington U., LOC Chair (2019)
Vince Cirigliano, LANL (2020)
Catherine Deibel, LSU (2020)
Nadia Fomin, Univ. of Tennessee (2019)
Alfredo Galindo-Uribarri, ORNL (2019)
Greg Hackman, TRIUMF (2019)
Anna Hayes-Sterbenz, LANL (2020)
Mike Heffner, LLNL (2020)
Or Hen, M.I.T. (2019)
Kent Paschke, U. of Virginia (2020)
Christine Natrass, U. of Tennessee (2020)
Seamus Riordan, ANL (2020)
Andrew Rogers, Univ. of Mass. Lowell (2019)
Phiala Shanahan, Coll. of William & Mary (2019)
Ernst Sichtermann, LBNL (2020)
Derek Teaney, SUNY Stony Brook (2020)
Christopher Wrede, MSU (2019)

2020 Hans Bethe Prize Selection Committee (Award April 2020)

Almudena Arcones, Institut fur Kernphysik, Chair
Guy Savard, ANL, Vice-Chair
Katherine Freese, Univ. Michigan
Marilena LoVerde, SUNY Stony Brook
Ken'ichi Nomoto, Univ. of Tokyo (2019 Awardee)

2020 Tom Bonner Prize Selection Committee (Award April 2020)

Johanna Stachel, Univ. Heidelberg, Chair
Reina Maruyama, Yale Univ., Vice-Chair
Vince Cirigliano, LANL
Alexandra Gade, MSU
Barbara V. Jacak, LBNL (2019 Awardee)

2020 Herman Feshbach Prize Committee (Award April 2020)

Martin J. Savage, Univ. Washington, Chair
Gail McLaughlin, NC State Univ., Vice-Chair
Filomena Nunes, MSU
Janet Seger, Creighton Univ.
Barry R. Holstein, Univ. Massachusetts (2019 Awardee)

2019 Stuart Jay Freedman Prize Committee (Award DNP 2019)

Artemis Spyrou, MSU, Chair
Hamish Robertson, Univ. Washington, Vice-Chair
Ernst P. Sichtermann, LBNL
Baha Balantekin, Univ. Wisconsin
Ania Kwiatkowski, TRIUMF (2018 Awardee)

2019 DNP Dissertation Committee (Award DNP 2019)

Robert V.F. Janssens, UNC, Chair
David J. Dean, ORNL, Past DNP Chair
Phillip S. Barbeau, Duke Univ.
S. Victoria Greene, Vanderbilt Univ.
Latifa Elouadrhiri, JLab

2019 DNP Mentoring Committee (Award DNP 2019)

John F. Wilkerson, UNC, Chair
Micha Kilburn, Univ. Notre Dame (Educ. Committee)
Tanja Horn, Catholic Univ. of America
Simon Capstick, FSU
Robert D. McKeown, JLab (2018 Awardee)

2019 DNP Fellowship Committee

David J. Dean, ORNL, Chair
Mary A. Alberg, Seattle Univ.
Kate Scholberg, Duke Univ.
Wim Dickhoff, Washington Univ.
Rolf Ent, JLab

2019 DNP Nominating Committee

Peter Jacob, LBNL, Chair
Joanna Kiryluk, SUNY Stony Brook, Vice-Chair
Catherine Deibel, LSU
Jainwei Qiu, JLab
Christine Aidala, Univ. Michigan

2019 Ad Hoc Education Committee

Micha Kilburn, Univ. Notre Dame, Chair
Jeff Blackmon, LSU
Spencer Klein, LBNL
Warren Rogers, Indiana Wesleyan Univ.
Alan Poon, LBNL
Shelly Lescher, CEU Program Coordinator
TBA, Graduate Student Representative

2019 Ad Hoc Home Page Committee

Renee Fatemi, Univ. Kentucky, Chair
Julie Roche, Ohio Univ., Vice-Chair

2019 Ad Hoc Publications Committee

Ramona Vogt, LLNL, Chair
Nadia Fomin, Univ. Tennessee, Vice-Chair
Sherry Yennello, Texas A&M Univ.

2019 Ad Hoc APS Nominations Committee

Sherry Yennello, Texas A&M Univ., Chair
Krishna Kumar, Univ. Massachusetts

2020 Distinguished Service Award Committee

Robert V.F. Janssens, UNC., Chair
DNP Chair-Elect, Vice-Chair, Past-Chair, Sec-Treas.

6. FUTURE MEETINGS

Organizers of future conferences should contact the DNP Secretary-Treasurer if they wish their conferences listed in DNP newsletters.

“2019 North American Particle Accelerator Conference”

1-6 September 2019, Lansing, MI

Contacts: Yoshishige Yamazaki

URL: <https://www.frib.msu.edu/events/2019/napac19/>

Email: napac2019@frib.msu.edu

“24th European Conference on Few-Body Problems in Physics”

2-6 September 2019, Univ. of Surrey, Guildford, UK

Contacts: Natasha Timofeyuk

URL: <https://indico.cern.ch/event/789163/>

Email: efb24@surrey.ac.uk

“2020 Gordon Research Conference: Photonuclear Reactions”

9-14 August 2020, Holderness, NH

Contacts: Huey-Wen Lin and Douglas Higinbotham

URL: <https://www.grc.org/photonuclear-reactions-conference/2020/>

Email: hwlin@pa.msu.edu

“Strong QCD from Hadron Structure Experiments”

6-9 November 2019, Jefferson Lab, Newport News, VA, USA

Contacts: Victor Mokeev

URL: <https://www.jlab.org/conference/QCD2019>

Email: mokeev@jlab.org

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