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**TO: Members of the Division of Nuclear Physics, APS**  
**FROM: Benjamin F. Gibson, LANL – Secretary-Treasurer, DNP**

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#### Future Deadlines



- **1 March 2018** — Mentoring Award Nominations
- **1 March 2018** — Distinguished Service Award Nominations
- **1 May 2018** — DNP Nominations for APS Fellow

The home page for the Division of Nuclear Physics is now available at “<http://dnp.aps.org>.” Information of interest to DNP members -- current research topics, deadlines for meetings, prize nominations, forms, and useful links are provided. Each DNP Newsletter is posted online, along with the copy sent via post. Comments and suggestions are solicited. Please send them to Jorge Piekarewicz [jpiekarewicz@fsu.edu](mailto:jpiekarewicz@fsu.edu)

#### 1. RESULTS OF ELECTION: OFFICERS AND EXECUTIVE COMMITTEE FOR 2018

By the deadline date of 22 January 2018, 683 web ballots or properly executed paper ballots were cast in the 2017 election of officers and members of the Executive Committee. The results of the election are as follows: Krishna Kumar was elected as Vice Chair and Kenneth Hicks was elected as Secretary Treasurer for one-year terms. John Wilkerson was appointed to serve a one-year term as Past Chair in place of Michael Thoennessen, who stepped down 1 September to serve as APS Editor in Chief. Renee Fatemi, Spencer Klein, and Ramona Vogt were elected to two-year terms on the Executive Committee. Baha Balantekin was elected to a four-year term as Division Councilor. The members of the 2017 Executive Committee, who will assume their duties at the close of the Business Meeting to be held during the APS April Meeting, 14-17 April 2018, in Columbus, OH, are:

**David J. Dean**, ORNL, **Chair (2018)**  
**Robert V. F. Janssens**, Univ. of N. Carolina, **Chair-Elect (2018)**  
**Krishna Kumar**, Stony Brook Univ., **Vice-Chair (2018)**  
**John F. Wilkerson**, Univ. of N. Carolina, **Past-Chair (2018)**  
**Kenneth H. Hicks**, Ohio Univ., **Secretary-Treasurer (2018)**  
**A. Baha Balantekin**, Univ. of Wisconsin (2021)  
**John R. Arrington**, ANL (2018)  
**Renee H. Fatemi**, Univ. of Kentucky (2019)  
**Spencer R. Klein**, LBNL (2019)  
**Rebecca Surman**, Notre Dame (2018)  
**Ramona L. Vogt**, LLNL (2019)  
**Remco G. T. Zegers**, Michigan State Univ. (2018)

The DNP wishes to thank each of the members who agreed to stand for election. The DNP depends entirely on volunteers to carry out the business of the Division.

#### 2. CALL FOR DNP COMMITTEE SUGGESTIONS

The terms of some of the members of the following DNP committees will expire in April 2018: Fellowship, Nominating, Home Page, Education, and Mentoring. Suggestions from the DNP membership for new members of these committees as well as the APS Bethe, Bonner, and Feshbach Prize Committees and the Freedman Award and the Nuclear Physics Dissertation Award Committees are welcome and should be sent to David Dean. A list of committee members for 2018/19 will be published in the August newsletter.

#### 3. ACKNOWLEDGE YOUR SPONSORING AGENCY

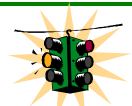
Given the importance of agency sponsorship in making nuclear physics research possible, DNP members are urged to acknowledge their agency sponsors in any talk or publication which they generate: seminars, workshop contributions, APS meeting talks, conference talks/posters, scientific Journal articles, etc.

#### 4. NEW DNP FELLOWS

The following DNP members are newly elected (2017) Fellows of the APS. Please join us in offering congratulations.

**Carpenter, Michael P.**, Argonne National Laboratory  
**Firestone, Richard Brian**, University of California, Berkeley  
**Hafidi, Kawtar**, Argonne National Laboratory  
**Kasen, Daniel N.**, University of California, Berkeley  
**Kawano, Toshihiko**, Los Alamos National Laboratory  
**Kovner, Alex**, University of Connecticut  
**Kruecken, Reiner**, TRIUMF & University of British Columbia  
**May, Morgan**, Brookhaven National Laboratory  
**Nouicer, Rachid**, Brookhaven National Laboratory  
**Pilat, Fulvia**, Jefferson Laboratory  
**Sichtermann, Ernst Paul**, Lawrence Berkeley National Laboratory  
**Springer, Roxanne Patricia**, Duke University  
**Steinberg, Peter**, Brookhaven National Laboratory  
**Zegers, Remco G.T.**, Michigan State University

- **Call for Fellows Nominations**
- **APR18 in Columbus, OH**
- **HAW18 in Waikoloa, HI**



## 5. NOMINATIONS FOR APS FELLOWSHIP

The qualifications and procedure for the election of a Member to Fellowship in the APS can be found under Fellowships on the APS Home Page. Only web nominations are accepted. The total number of members who may be elected to Fellowship in a given year is one half of one percent of the total APS membership.

The DNP deadline for nominations is 1 May. Nomination instructions can be found on the APS home page (<http://www.aps.org>); link to "Fellowships" under the heading "Programs".

The 2018 DNP Fellowship Committee is comprised of Gordon Cates (Chair), Filomena Nunes, Volker Koch, Kate Scholberg, and Mary Alberg. The Fellowship Committee reviews the nominations for APS Fellowship referred to the DNP and recommends a slate of candidates, which is forwarded to the APS Fellowship Committee and then to APS Council for election. Nominations are active for two years. It is important for nominators to ensure that the cases that they prepare for the Fellowship Committee are well documented. In addition to that requested on the nomination form, information such as lists of invited talks, awards, professional activities, committee service, and participation in organization of conferences is very helpful. Inclusion of a current C.V. and a complete publication list is highly recommended.

The DNP has adopted the following Fellowship Criteria Guidelines. To be chosen as a Fellow, an APS member should have a record of excellence in research that has been sustained over several years, and have completed at least one major, original work that has influenced his/her specialty in a significant way. The APS requires membership for at least the prior year.

The list of APS Fellows elected in a given year appears on the APS Home Page in November and is published in the March issue of APS News. The names of newly elected DNP Fellows are published in the February Newsletter and the awards are presented at the DNP Business Meeting held during the APS April Meeting.

## 6. APS MEETING IN COLUMBUS, OH, 14-17 APRIL 2018

The APS April Meeting encapsulates the full range of physical scales, from "Quarks to the Cosmos (Q2C)". Research will be presented on topics 19 participating units. The 2018 theme is a "Feynman Century," which will be broadly examined through speakers and scientific sessions. The venue will be the Greater Columbus Convention Center. The meeting hotels are the Hilton Columbus Downtown and the Hampton Inn & Suites Columbus Downtown. The APS has secured a special rate for April Meeting attendees. You must book your room online through the APS to receive the discounted rates.

The APS units participating in the meeting are

### Divisions

Astrophysics (DAP)  
Computational Physics (DCOMP)  
Nuclear Physics (DNP)  
Gravitational Physics (DGRAV)  
Particles and Fields (DPF)  
Physics of Beams (DPB)

### Forums

Early Career Scientists (FECS)  
Education (Fed)  
Graduate Student Affairs (FGSA)  
History of Physics (FHP)  
International Physics (FIP)  
Physics and Society (FPS)

Outreach and Engaging the Public (FOEP)

### Topical Groups

Energy Research and Applications (GERA)  
Few-Body Systems (GFB)  
Hadronic Physics (GHP)  
Physics Education research (GPER)  
Physics of Climate (GPC)  
Precision Measurement & Fundamental Constants (GPMFC)

The April Meeting program will be highlighted by three plenary sessions: Saturday - A Feynman Century (Kavli Session) featuring Joan Feynman (JPL), Chris Monroe (Univ. of Maryland), and Roxanne Springer (Duke Univ.); Monday - Plenary 2 featuring Njema Frazier NNSA, DOE), Anne Archibald (Netherlands Inst. For Radio Astronomy), and Marcelle Soares-Santos (Brandeis Univ.); Tuesday - Nobel Prize and APS Medal Winners featuring Eugene Parker (Univ. of Chicago), Rainer Weiss (MIT), and Barry Barish (Caltech).

### Deadlines:

Early Registration: 2 March 2018  
Hotel Reservations: 15 March 2018  
Late Registration: 30 March 2018  
On-site Registration: 13-17 April 2018

## 7. DNP APRIL 2018 MEETING PROGRAM

The DNP Program Committee, under the direction of Program Chair Robert Janssens and DNP Chair David dean, has put together a collection of stand alone and joint sessions, which were felt to be attractive to DNP participants at April 2018:

- From Neutron Skins to Neutron Stars
- From QCD to the Deuteron (Joint with GFB and GHP)
- Tracing Chemical Evolution (Joint with DAP)
- Deep Learning and Quantum Computation in Nuclear Physics
- Baryon Density Physics in Nuclei and the Cosmos
- Fireball Emission from Binary Neutron Star Mergers (Joint with DGRAV)
- Celebration of the 40<sup>th</sup> Anniversary of the TPC (Joint with DPF)
- Many-Body Quantum Computations in Nuclear Physics (Joint with DCOMP)
- Baryon and Lepton Number Violation
- R-process Nucleosynthesis (Joint with DAP)
- R-process and Shell Evolution near the Doubly Magic Nucleus 78Ni
- Prize Session (Joint with DAP)
- Structure of the Pion and Kaon as a Theater for QCD (Joint with GHP)
- Axial Structure of the Nucleon (Joint with GHP)
- DNP Prize Session
- Weakly Bound Systems (Joint with GFB, GHP)

Contributed abstracts for the DNP component of the meeting were arranged into coherent sessions by volunteers from the Program Committee under the direction of David Dean.

## 8. FUTURE APS SPRING MEETING INFORMATION

2019	Mar 4-8	Boston, MA (Mar/Apr Mtg.)
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Any comments/suggestions should be sent to APS Director of Meetings, Terri Olsen ([olsen@aps.org](mailto:olsen@aps.org)).

**9. 2018 JOINT MEETING ON HAWAII WITH THE JPS  
23-27 OCTOBER 2018**

The fifth joint meeting of the Division of Nuclear Physics of the American Physical Society with the nuclear physicists of the Physical Society of Japan (JPS) will be held in October. The previous meetings in 2001, 2005, 2009, and 2014 were outstanding successes.

Hawaii 2018 will be held at the Hilton Waikoloa Village on Hawaii's Big Island, 23-27 October 2018. In addition to showcasing exciting nuclear physics, Hawaii 2018 is intended to foster cooperation, collaboration, and the exchange of ideas among the nuclear scientists from Japan, the U.S., and other Pacific Rim countries. Moreover, HAW18 will provide an opportunity for students from Japan and the U.S. to meet and discuss their visions of careers in the field of nuclear physics.

Please find a poster enclosed with this newsletter. Additional details about the meeting will appear in the May newsletter.

*Hotel:* The venue for this year's joint meeting, the Hilton Waikaloa, is the same as for the 2014 meeting and is located just 18 miles north of the Kona International Airport. Complete Conference Coordinators, Inc. has negotiated a government rate for sleeping rooms for the meeting. The resort is located on a 62 acre parcel situated on the ocean, has ample meeting space, and a 4 acre lagoon for snorkeling and even swimming with dolphins. The venue is near a shopping center with several restaurants and a food court. Nearby is Mauna Kea and the Keck and Subaru Observatories.

*Meeting Format:* The meeting structure for Hawaii 2018 will resemble that of the previous joint meetings. Workshops will be held on Tuesday, October 23<sup>rd</sup>, preceding the plenary and scientific sessions that follow on October 24-27th. The plenary session on Wednesday morning will open the main meeting and will highlight nuclear physics in Japan and the U.S. The following scientific sessions will be held during the evenings and mornings, except on the last day of the meeting (Saturday) when sessions will be scheduled in the morning and afternoon. There will be a Luau on Friday evening to celebrate the joint meeting.

Typically, evening or morning sessions will see one invited paper session taking place in parallel with multiple sessions of contributed papers and mini-symposia. As is usual, mini-symposia will involve one lead (invited) talk followed by contributed papers all focused on the same topic. The mini-symposia are viewed as ideal sessions to integrate the JPS and DNP communities around topics of mutual interest. Contributed talk slots will again be 15 minutes, time for a 12 minute presentation with three minutes allotted for questions and discussion. Lead talks in mini-symposia will be 30 minutes (25+5) in length. Invited session talks slots will be 45 minutes (35+10) in length.

**10. FUTURE DNP FALL MEETINGS**

2018	Oct 23 – 27	Waikaloa, HI
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The dates include the pre-meeting workshops, which 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.

**11. PHYSICAL REVIEW C NEWS, C. Wesselborg**

Five new "Physical Review C" Editorial Board members were appointed to three-year terms beginning 1 January 2018 by the APS Editor-in-Chief, Michael Thoennessen:

B. Alex Brown	Michigan State Univ.
Emiko Hiyama	Kyushu Univ.
Josef Pochodzella	Univ. Mainz
Andrew Stuchbery	Australian National Univ.
Yong-Zhong Qian	Univ. Minnesota

On behalf of the nuclear physics community, the PRC editors thank the departing Editorial Board members for their service: Sanjay Reddy, Reinhard Schumacher, Hirokazu Tamura, Ubrahara van Kolck, and Remco Zegers.

**12. CEU ROSTER FROM DNP 2016 (VANCOUVER),  
Shelley Leshner**

The 2017 CEU program held in conjunction with DNP 2017 in Pittsburgh, PA, was highly successful. There were 198 students participating in the program, a roster of which is included as an insert with this newsletter.

The goal of the CEU program is to provide a valuable conference experience for undergraduate students, who have conducted research in nuclear physics, by providing them an opportunity to present their research to the larger professional community and to one another in the CEU poster session. Additionally, the CEU program enables participating students to converse with faculty and senior scientists from graduate institutions about graduate school opportunities. All conference attendees were encouraged to visit the CEU poster session. Additional CEU activities included nuclear physics seminars presented by Fatiha Benmokhtar (Duquense) and Kelly Chipps (ORNL) as well as a tutorial about applying to graduate school by Mark Caprio (Notre Dame) and a graduate school information fair. A CEU student social was offered by the DNP.

The CEU program was sponsored by the National Science Foundation, the Department of Energy Office of Science (through the national laboratories), and the Division of Nuclear Physics.

**13. STUART JAY FREEDMAN AWARD**

The inaugural APS Stuart Jay Freedman Award in Experimental Nuclear Physics will be presented at the Hawaii joint meeting. The proposed award has been shepherded through the APS (Honors Committee and Council) approval process by the DNP committee chaired by Michael J. Ramsay-Musolf with members A. Baha Balantekin, Zheng-Tian Lu, Robert D. McKeown, and James J. Napolitano. We are also indebted to Wick C. Haxton for sage advice regarding APS processes.

Formal fund raising to support an annual monetary award of \$3000 (or more) is underway. To make a donation please go to the APS website and utilize the Stuart Jay Freedman Award link under Prizes and Awards, which is found under Honors under the PROGRAMS heading.

**14. FUTURE CONFERENCES**

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

**“34<sup>th</sup> Winter Workshop on Nuclear Dynamics (WWND 2018)”**

25-31 March 2018

Caribbean Island of Guadeloupe

Contact: Rene Bellwied

URL: <https://indico.cern.ch/event/664310/>

**”15<sup>th</sup> International Workshop on Meson Physics (Meson2018)”**

7-12 June 2018

Krakow, Poland

Contact: Witold Przygoda

URL: <http://meson.if.uj.edu.pl>

**“13<sup>th</sup> International Conference on Hypernuclear and Strange Particle Physics (HYP 2018)”**

24-29 June 2018

Norfolk, VA

Contact: Liguang Tang Email: [tangl@jlab.org](mailto:tangl@jlab.org)

URL: <https://www.jlab.org/conferences/hyp2018>

**“36<sup>th</sup> International Symposium on Lattice Field Theory (Lattice2018)”**

22-28 July 2018

MSU, East Lansing, MI

Contact: Huey-Wen Lin

Email: [hwlin@pa.msu.edu](mailto:hwlin@pa.msu.edu)

URL: <https://web.pa.msu.edu/conf/Lattice2018/>

**“Conference on Application of Accelerators in Research and Industry (CAARI 2018)”**

12-17 August 2018

Grapevine, Texas (Gaylord Texan) Contact: Carley Parriott,

Email: [cparriott@sandia.gov](mailto:cparriott@sandia.gov)

**“8<sup>th</sup> International Conference on Quarks and Nuclear Physics”**

13-17 November 2018

Tsukuba, Japan

Contacts: S Kumano & Shinya Sawada

URL: <http://www-conf.kek.jp/qnp2018>

Email: [qnp2018@m1.post.kek.jp](mailto:qnp2018@m1.post.kek.jp)

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