

APS GHP Award Summary

Dissertation Awards / APS GHP Fellowships

Bernd Surrow
(Temple University)

APS GHP 2025 Workshop

11th Workshop of the APS Topical Group on Hadronic Physics

WORKSHOP TOPICS INCLUDE:

- Artificial intelligence and machine learning for hadron physics
- Electron Ion Collider and other future facilities and experiments
- Electroweak physics
- Exotic matter and hadron star collisions
- Hadrons in nuclei
- Hadron spectroscopy
- Hadron tomography
- Hadronization
- Heavy flavor and jet production
- Neutron-hadron interactions
- Non-perturbative and dynamical symmetry violation in hadron physics
- Non-equilibrium dynamics
- Nucleon and nuclear spin physics
- Origin of hadron mass
- Physics of the quark-gluon plasma
- Quantum information in hadron physics
- Small systems and collectivity
- Theoretical and experimental structure of hadrons
- Unexplored Colliders

Anaheim, CA
March 14 - 16, 2025

APS

The GHP workshop is an excellent opportunity for nuclear and particle physicists to share their research and explore common interests in hadronic physics. We warmly welcome your attendance and participation and encourage you to invite your students and postdocs to take part.

The workshop will take place immediately before the APS 2025 Global Physics Summit at the same venue.

CONTACT:
gphew@aps.org
<https://info.aps.org/GHP2025>

ORGANIZING COMMITTEE:

- Shoshin Bhaudikar (University of Connecticut)
- Daniel Brandenburg (The Ohio State University)
- Wilhelm Brune (Friedrich-Schiller-Universität Jena)
- Miguel Centon (George Mason University)
- Wolfgang Deconinck (University of Maryland)
- James Dunlop (Brookhaven National Laboratory)
- David Fung (University of New Hampshire)
- David Herten (Ludwig-Maximilians-Universität München)
- Susan Hokenstead (CERN)
- Bernd Surrow (Workshop co-chair) (Brookhaven National Laboratory)
- Bernd Surrow (Workshop co-chair) (Temple University)
- Juha Veloso (Helsinki University)
- Hans-Joachim Vogt (SLAC & University of California, Davis)

APS Topical Group on Hadronic Physics
GHP



APS GHP 2025

APS GHP Dissertation Award in Hadronic Physics

- The Dissertation Award in Hadronic Physics recognizes outstanding early-career scientists who have performed original research in the area of hadronic physics.
- The APS Topical Group on Hadronic Physics presents the award annually, consisting of \$1,500, a certificate, up to \$1,500 in travel reimbursement, and a registration waiver to receive the award.

AWARD

Dissertation Award in Hadronic Physics

Nominations are open



- In order to be eligible candidates must have received a PhD in experimental or theoretical hadronic physics. The PhD degree must have been awarded within a two-year period ending the day before nominations are due. Candidates receiving a dissertation award from other APS units are ineligible for the Dissertation Award in Hadronic Physics.

Dissertation Award in Hadronic Physics

Nominations deadline	September 1, 2025
Type	Award
Category	Dissertation
Sponsor	Jefferson Science Associates
Sponsor	Brookhaven National Laboratory
Sponsor	Universities Research Association
Sponsor	APS Topical Group on Hadronic Physics (GHP)
Sponsor	Center for Frontiers in Nuclear Science
Amount	\$1,500

Nominations are open



APS GHP Dissertation Award in Hadronic Physics

- 2024 Dissertation Award Recipient: **Blair Seidlitz** (Postdoc at Columbia University)
- Ph.D. at the University of Colorado Boulder in 2022 with D. Perepelitsa
- **Citation:** "For developing the experimental access of high-multiplicity photo-nuclear interactions and a novel investigation of collective phenomena in this system."
- Committee: Julia Velkovska (Co-chair), David Gaskell (Co-chair), Charles Gale, Renee Fatemi, Yuri Kovchegov, Misak Sargsian



APS GHP Dissertation Award in Hadronic Physics

- 2025 Dissertation Award Recipient: **Christopher Joseph Cocuzza**
(Postdoc at William & Mary)
- Ph.D. at Temple University in 2023 with Professor A. Metz
- **Citation:** "For excellent comprehensive studies of the unpolarized and polarized hadron structure through Monte Carlo fits and model calculations."
- **Committee:** William Brooks (Co-chair), Julia Velkovska (Co-chair),
Renee Fatemi, Charles Gale, Yuri Kovchegov, Jianwei Qiu



APS GHP Fellowships

- Fellowship in the American Physical Society is a great honor. In accordance with the APS Constitution, "there shall be elected to Fellowship only such Members who have **contributed to the advancement of physics by independent, original research** or who have rendered some other special **service** to the cause of the sciences." All APS members are invited to nominate deserving colleagues as potential Fellows of APS.

APS FELLOWSHIP

Topical Group on Hadronic Physics Fellowship

- Nominating a colleague for APS Fellowship is a way to commend them for excellence in physics and their service to the physics community.
- **To nominate a colleague for APS Fellowship, you and the additional nominating co-sponsor must be active APS members.** The colleague you nominate must also be an active APS member.

Topical Group on Hadronic Physics Fellowship

Nominations deadline June 2, 2025

Type APS Fellowship

Category Unit

Sponsor APS Topical Group on Hadronic Physics (GHP)

APS Fellow - GHP 2023 Recipient

- 2023 APS Fellow Recipient: **Alexandre Deur**
- Scientific Staff Member at **Jefferson Laboratory**
- **Citation:** "For scientific leadership of experimental studies of nucleon spin structure in the strong QCD regime."
- **Committee:** Bjoern Schenke (Chair), William Brooks (Vice-chair),
Christina Markert, Xiaochao Zheng, Andrei Alexandru



APS Fellow - GHP 2023 Recipient

- 2023 APS Fellow Recipient: **Andreas Metz**
- Professor of Physics at **Temple University**
- **Citation:** "For contributions toward a better understanding of the partonic and chiral structure of hadrons and nuclei and the manifestations thereof in dedicated inclusive and exclusive high-energy scattering processes."
- Committee: Bjoern Schenke (Chair), William Brooks (Vice-chair),
Christina Markert, Xiaochao Zheng, Andrei Alexandru



APS Fellow - GHP 2024 Recipient

- 2024 APS Fellow Recipient: **Simonetta Liuti**
- Research Professor at the **University of Virginia**
- **Citation:** "For advances in studying the three-dimensional quark and gluon structure of nucleons and nuclei through polarization observables in deeply virtual exclusive scattering and physics-informed deep learning architectures, and for significant service to the physics community, particularly the support and mentoring of female and other underrepresented scientists."
- Committee: Bernd Surrow (Chair), Bjoern Schenke (Vice-chair), Christine Aidala, Michael Kohl, Jamal Jalilian-Marian



APS Fellow - GHP 2024 Recipient

- 2024 APS Fellow Recipient: **Mark Kevin Jones**
- **Hall A/C Group Leader - Senior Staff Scientist** (JLab)
- **Citation:** "For scientific leadership in experimental studies of the fundamental nucleon electromagnetic form factors, including the surprising discovery of significant variation in the large momentum behavior of the proton electric form factor, and for developing new detection systems enabling the studies."
- **Committee:** Bernd Surrow (Chair), Bjoern Schenke (Vice-chair), Christine Aidala, Michael Kohl, Jamal Jalilian-Marian



APS - GHP Fellowship Timeline 2025

□ Selection Process for the 2025 APS Fellowship

started

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Nomination Deadline:
June 2, 2025!

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