

***WELCOME TO THE 2020-21
PHYSICS AND ASTRONOMY
VIRTUAL AWARDS CEREMONY!***

Presented by John Finley, Department Head



**PURDUE
UNIVERSITY®**

Department of Physics
and Astronomy

FACULTY

AWARDS

The Department of Physics and Astronomy recognizes these faculty with awards representing excellence in the classroom, laboratory, and workplace. We are proud of the accomplishments of our faculty!



Department of Physics
and Astronomy

Excellence in Graduate Advising

Awarded to: Rafael Lang,
Associate Professor of Physics and Astronomy



Selected by the PGSA (Physics Graduate Student Association).

Ruth and Joel Spira Award for Outstanding Graduate Teaching

Awarded to: Chris Greene,

Albert Overhauser Distinguished Professor of Physics and Astronomy



The Ruth and Joel Spira Award for Outstanding Graduate Teaching is selected by the PGSA (Physics Graduate Student Association).

Ruth & Joel Spira Award for Outstanding Undergraduate Teaching

Awarded to: Ken Ritchie,

Associate Department Head and Professor of Physics and Astronomy



The Ruth and Joel Spira Award for Outstanding Undergraduate Teaching is selected by the SPS (Society of Physics Students).

UNDERGRADUATE

STUDENT AWARDS

The Department of Physics and Astronomy has a number of awards and scholarships that recognize excellence in the classroom, laboratory, and workplace. We are proud of the accomplishments of our undergraduate students!



Department of Physics
and Astronomy

Judith Peters Humnicky Memorial Award

Awarded to: Emily J Kincaid

Judith Peters Humnicky was relentless in pursuit of her goals and this award honors her memory by recognizing the persistence, diligence, and hard work necessary to obtain an undergraduate degree in physics and enhances the gender diversity of among the Department's undergraduates. The Judith Peters Humnicky Memorial Award is made possible due to the generosity of Mr. Michael Humnicky (BS 1970).



Lijuan Wang Memorial Award

Awarded to:

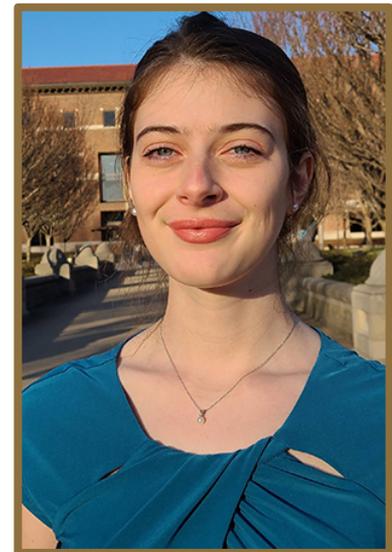
Moira Andrews, *Nominated by Danny Milisavljevic*

Megan McDuffie, *Nominated by Ephraim Fischbach*



Moira Andrews

The Lijuan Wang Memorial award is given annually to one or more outstanding undergraduate physics majors who promote the gender diversity of the department through participation in Women in Physics. Lijuan Wang was a graduate student in the department from 1989 until her untimely death in 1992.



Megan McDuffie

Richard W. King Award

Awarded to:

Justin Copenhaver (*Junior*), Nominated by *Jukka Vayrynen and Birgit Kaufmann*

Andrew Gustafson (*Senior*), Nominated by *Francis Robicheaux*



Justin Copenhaver

The Richard W. King Award recognizes the Department's outstanding physics junior and senior. Prof. King joined the Department of Physics in 1955 as an assistant professor and served as Department Head from 1966 to 1969. During his years at Purdue, Professor King gained a reputation as an inspiring teacher and sympathetic friend of students. He served for many years as the counselor for undergraduate physics majors. With other students he often took the opportunity to promote the value of a broad science background for students pursuing careers such as teaching, law, journalism, and medicine. Following his untimely death in August 1969, Prof. King's family, friends, and colleagues established this award.



Andrew Gustafson

Spira Undergraduate Summer Research Award

Awarded to:

Arianna Meenakshi McNamara

Nominated by Andreas Jung

This award supports one or more students working on a research project under the supervision of a faculty member in the Department of Physics and Astronomy and/or the Department of Mathematics. The Spira Summer Research Award is made possible thanks to the generosity of Dr. Joel S. (BS 1948) and Mrs. Ruth R. Spira.



College of Science Honors Convocation Student Honorees



**Arianna
McNamara,**
freshman



**Colton
Griffin,**
sophomore



**Darrell
Fischer,**
junior



**Matthew
Schulz,**
senior

Ramdas Award

Awarded to: YuXin (Vic) Dong

Nominated by Danny Milisavljevic

The Ramdas Award was established in 2018 by Anant K. Ramdas, the Lark-Horovitz Distinguished Professor of Physics and his wife, Vasanti Ramdas. Ramdas Award recognized an exceptional senior who has completed a unique project in the Department of Physics and Astronomy.



GRADUATE

STUDENT AWARDS

The Department of Physics and Astronomy has a number of awards and scholarships that we to recognize excellence in the classroom, laboratory, and workplace. Our achievements also regularly earn national and international recognition. We are proud of the accomplishments of our graduate students!

Dr. Warner Black Award

Awarded to: Siddhant Pandey

Nominated by Niranjan Shivaram

The Black Award recognizes graduate students whose research has the potential to bring physics to the people and to help them improve their lives by using a deep knowledge of fundamental and applied physics to make practical and useful inventions that have a real and lasting impact.



George W. Tautfest Award

Awarded to: Yicheng Feng

Nominated by Fuqiang Wang

This award honors outstanding physics graduate students in high energy particle physics, high energy nuclear physics, or astrophysics. Prof. Tautfest was the leader of the Purdue High Energy Physics group until his death in 1967 at age 41. The award was established in 1969 by his colleagues and the Purdue Alumni Foundation.



H. Y. Fan Award

Awarded to: Cheng-An Chen

Nominated by Chen-Lung Hung

The Fan Award recognizes outstanding graduate research in condensed matter physics, biological physics, or AMO physics. The award was established in recognition of Prof. Fan's many contributions to condensed matter physics, particularly in the area of infrared studies of semiconductors, and to the Department of Physics and Astronomy.



Lijuan Wang Memorial Awards

Awarded to:

Bhagya Subrayan *Nominated by Danny Milisavljevic*

Yimeng Wang *Nominated by Chris Greene*



Yimeng Wang

The Lijuan Wang Memorial award is given annually to one or more outstanding graduate student majors who promote the gender diversity of the department through participation in Women in Physics. Lijuan Wang was a graduate student in the department from 1989 until her untimely death in 1992.



Bhagya Subrayan

Akeley-Mandler Award for Teaching Excellence

Awarded to: Abigail Kopec

Nominated by Anderzej Lewicki

The Akeley-Mandler Award recognizes exceptional graduate student teaching assistants who excel beyond the mere requirements of the job, investing their effort to ensure that they provide the best education possible to their students. This award is made possible thanks to a gift made by Instructor Emeritus Anna Akeley in memory of her husband, Prof. Edward S. Akeley, and brother, Kurt Mandler.



Edward S. Akeley Award

Awarded to: Hao Zhang

Nominated by Dimitrious Giannios

This award recognizes outstanding physics graduate students in theoretical physics. The Akeley Award is made possible through the generosity of Instructor Emeritus Anna M. Akeley.

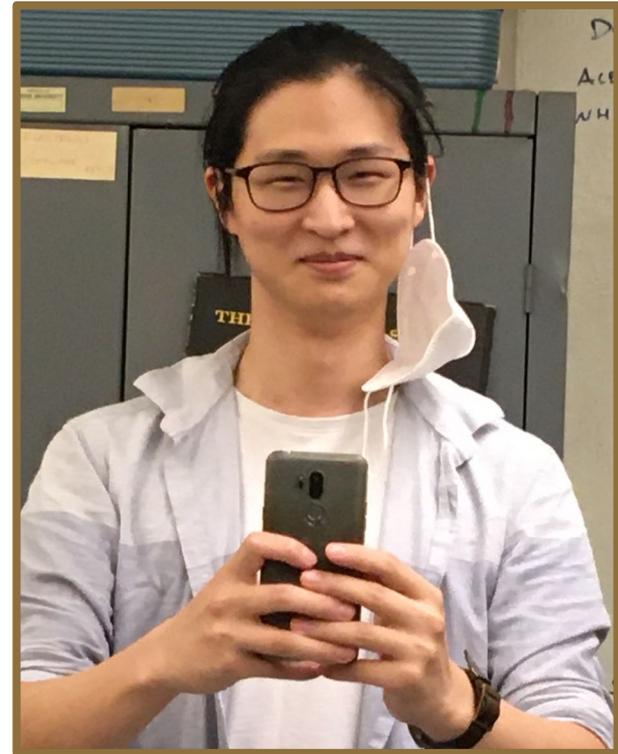


Gabriele F. Giuliani Award

Awarded to: Dawith Lim

Nominated by Anderzej Lewicki

Established in 2013 in memory of Prof. Gabriele F. Giuliani, this award honors excellence in teaching by first- or second-year graduate students. These graduate students show dedication and dependability, and, like Professor Giuliani, demonstrate a passion for physics that contributes to a rich learning environment.



Bilsland Dissertation Fellowship

Awarded to: Yimeng Wang

Nominated by Chris Greene

The Bilsland Dissertation Fellowship provides support to outstanding Ph.D. candidates in their final year of writing.

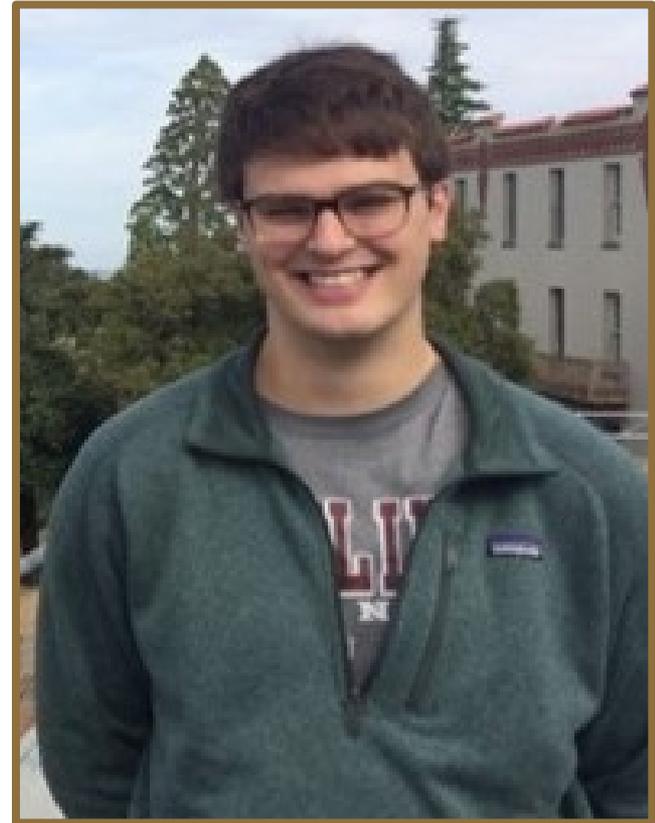


Bilsland Dissertation Fellowship

Awarded to: John Banovetz

Nominated by Danny Milisavljevic

The Bilsland Dissertation Fellowship provides support to outstanding Ph.D. candidates in their final year of writing.

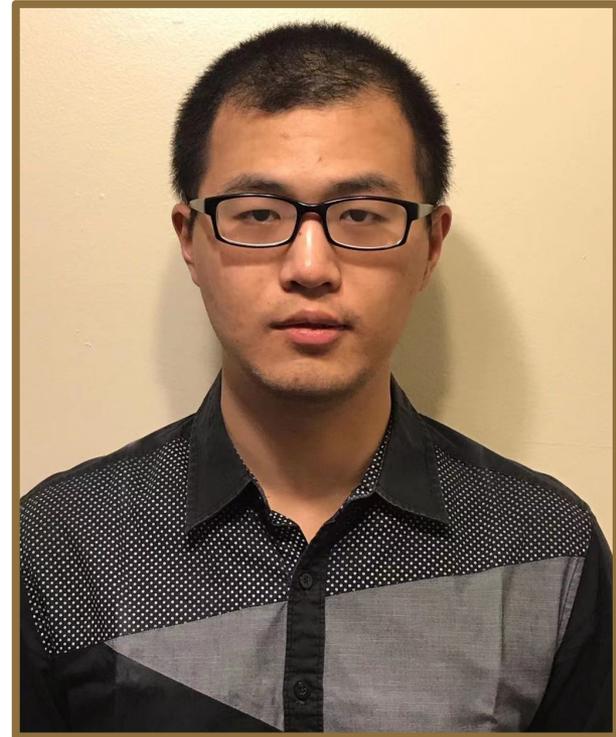


Bilsland Dissertation Fellowship

Awarded to: Yicheng Feng

Nominated by Fuqiang Wang

The Bilsland Dissertation Fellowship provides support to outstanding Ph.D. candidates in their final year of writing.



Bilsland Dissertation Fellowship

Awarded to: Zhujing Xu

Nominated by Tongcang Li

The Bilsland Dissertation Fellowship provides support to outstanding Ph.D. candidates in their final year of writing.



Karl Lark-Horovitz Award

Awarded to: Michael Higgins

Nominated by Chris Greene

Our Department's most prestigious graduate student honor, the Lark-Horovitz Award recognizes outstanding research accomplishments. The award is possible through the generosity of the faculty as well as the family, friends, and associates of Prof. Lark-Horovitz in memory of his great contribution to the growth and development of the Department of Physics and Astronomy.



Ramdas-Raman Prize

Awarded to: Sayan Basak

Nominated by Erica Carlson

The Raman Prize recognizes a Ph.D. student or recent alumni for an outstanding dissertation. The Raman Prize was established in 2018 by Anant K. Ramdas, the Lark-Horovitz Distinguished Professor (Emeritus) of Physics and Astronomy, and his wife Vasanti Ramdas.



NON-DEPARTMENTAL

STUDENT AWARDS

The Department of Physics and Astronomy recognizes these students who have been awarded the Mortar Board 2021 Undergraduate Award and the Barry Goldwater Scholarship.



Department of Physics
and Astronomy

Mortar Board 2021 Undergraduate Award

Awarded to: Bianca Caminada

Nominated by Janice Thomaz

Mortar Board awards funds for school fees to current Purdue freshmen and sophomores who have shown excellence in service, leadership, and scholarship.

A minimum cumulative GPA of 3.2 is required. In promoting the ideals of Mortar Board, selection of fellowship recipients is based on scholastic record, character, service to campus and community, and stated professional goals.



Honor's College Pillar Award for Sophomore Undergraduate Research

Awarded to: Bianca Caminada

Students in the Honors College excel in a variety of areas both in and outside of the classroom as they engage in endeavors that embody the values of our curriculum. To recognize those students who have achieved above and beyond their peers or who demonstrate great promise of excellence, the Honors College annually bestows the Pillar Awards, a recognition of student work in each of the four pillars of their curriculum: Interdisciplinary Academics, Undergraduate Research, Leadership, and Community and Global Engagement.



Barry Goldwater Scholarship

Awarded to: Justin Copenhaver

Mentor(s): Birgit Kaufmann,

Adam Wasserman, and Jukka Vayrynen

Campus Representative: Veronica Schirm

The Goldwater Scholarship is the nation's preeminent scholarship for undergraduates in mathematics, natural sciences, or engineering.

Congress established the Barry Goldwater Scholarship and Excellence in Education Foundation in 1986. The highly competitive award offers up to \$7,500 toward tuition, fees and board to sophomores and juniors seeking research careers.



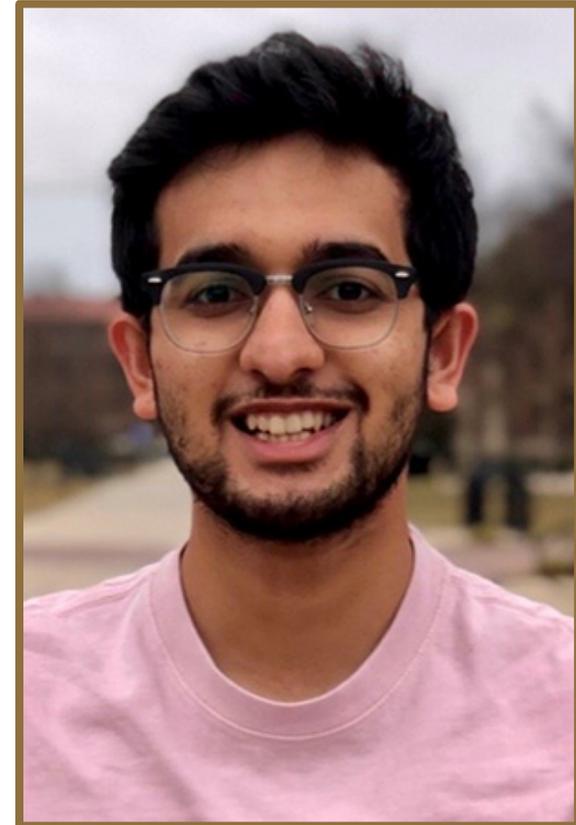
Martin C. Jischke Outstanding International Student of the Year Award

Awarded to: Kaustub Parvir Anand

Nominated by Janice Thomaz

Supported by: Kyoung-Soo Lee, Ken Ritchie, Francis Robicheaux, David Sederberg

The Martin C. Jischke Outstanding International Student of the Year Award was presented to Kaustub Parvir Anand of Mumbai, India, who majored in physics in the College of Science and the Honors College. Established by Martin C. Jischke, President emeritus, the award honors an international Purdue student who has attained a minimum 3.0 grade-point average, demonstrated leadership qualities, achieved academic accomplishments through further research, publications or presentations and participated in service projects. The recipient receives a cash award along with inscription of their name on a plaque in Schleman Hall.



CONGRATULATIONS!

Congratulations to all of this year's award winners. The competition for these awards is fierce and anyone considered should also be congratulated. We are so proud of the accomplishments and extraordinary work put forth by Physics and Astronomy faculty or student.

Boiler up!



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