

IOWA

PHYSICS AND ASTRONOMY AWARDS COLLOQUIUM

April 25, 2023

Schedule

Recognition of Graduates
Recognition of Award Recipients
Student Presentations

2022-2023 Graduating Seniors

(Graduating Spring 2023 unless noted)

Alex Apple	B.S. Applied Physics <i>Electronic Warfare Engineer, SRC Inc., Syracuse, NY</i>
Thom Bruner	B.A. Physics B.A. Philosophy
Susanne Byrd	B.S. Physics B.S. Astronomy
Olivia Catlette	B.S. Physics B.S. Astronomy
Daniel Funke	B.A. Physics
Will Golay	B.S. Astronomy (University Honors, Honors in the Department) B.S. Physics (University Honors) <i>Pursuing a Ph.D. in Astronomy & Astrophysics, Harvard University</i>
Hank Hammer	B.S. Physics (Highest Distinction, Honors in the Department) B.S. Mathematics (Highest Distinction) <i>Pursuing a Ph.D. in Physics (Condensed Matter), University of Iowa</i>
John Horne	B.S. Physics (Distinction) B.S. Astronomy (Distinction) B.S. Mathematics (Distinction) <i>Pursuing a Ph.D. in Physics, Utah State University</i>
Kyle Junkunc	B.S. Astronomy B.S. Physics Minor in Communication Studies <i>Pursuing a Data Analysis position</i>
Evan Knipper	B.S. Physics Minor in Computer Science Minor in Mathematics

Tristan McMillan	B.S. Physics B.A. Chemistry
Siddharth Nandanwar	B.S. Physics (High Distinction, Honors in the Department) Minor in Mathematics <i>Pursuing a Ph.D. in Physics (Condensed Matter), Boston College</i>
Mel Peters	B.S. Physics B.S. Mathematics <i>Working in Electrical Design (R&D)</i>
Nathan Torvik	B.S. Physics
Zach Vig (Fall 2022)	B.S. Physics (Highest Distinction, University Honors) B.S. Geoscience (Highest Distinction, University Honors, Honors in the Department) <i>Pursuing a Ph.D. in Planetary Geology, University of Maryland</i>

2022-2023 Advanced Degrees

(Graduating Spring 2023 unless noted)

Zoe Bellis	M.S. Astronomy
Sarah Conley	Ph.D. Physics <i>NSF Postdoctoral Fellowship, Princeton University</i>
Connor Feltman (Fall 2022)	M.S. Physics <i>Pursuing a Ph.D., University of Iowa</i>
Jaya Joseph	M.S. Astronomy <i>Pursuing a Ph.D., University of Iowa</i>
Robert Q.L. Maxton	M.S. Physics <i>Pursuing a Ph.D., University of Iowa</i>
Jacob McLaughlin	M.S. Physics <i>Pursuing a Ph.D., University of Iowa</i>
David Montealegre (Fall 2022)	Ph.D. Physics <i>Postdoctoral Researcher, University of Illinois Urbana-Champaign</i>
Raaman Nair (Fall 2022)	M.S. Astronomy <i>Pursuing a Ph.D., University of Iowa</i>
Daniel Robert Simons	Ph.D. Physics
Joseph Sink (Fall 2022)	Ph.D. Physics <i>Postdoctoral Researcher, University of Iowa</i>
Riley Troyer	Ph.D. Physics <i>Researcher, Space Dynamics Laboratory, Albuquerque, New Mexico</i>
Vitaliy Zhuravlyov	M.S. Physics <i>Pursuing a Ph.D., University of Iowa</i>

2022-2023 Undergraduate Awards

Brian D. Strayer and Richard L. Rairden Scholarship in Physics

Recipient: **Arissa Khan**

Renewal: **Andrew Milne**

James A. Van Allen Award

Recipients: **Hank Hammer, Zach Vig, Siddharth Nandanwar**

Barry Goldwater Scholar

Recipient: **Jeff Leiberton**

Myrtle K. Maier Scholarship

Recipient: **Emerson Peters**

Distinguished Achievement Award

Recipient: **Mel Peters**

Distinguished Service Award

Recipients: **Will Golay, Jeff Leiberton**

Undergraduate Scholar Award

Recipients: **Susanne Byrd, Will Golay, John Horne**

Van Allen Research Grant

Recipient: **Stephon Berry, Susanne Byrd, Will Meiners, Aditya Venkatesh**

Shoemaker-Strickler Scholarship

Recipient: **Will Parker**

Iowa Space Grant Consortium Research Scholarship

Recipients: **Susanne Byrd, Will Golay, Jason Homann, Jeff Leiberton, Christian O'Brien, Jonathan Percy**

Andrew Nelson Undergraduate Poster Prize

Recipients: **Jacob Andrews, Aden Hageman**

Charles A. Wert Scholarship

Recipient: **Aditya Desai, Owen Fiedorowicz, Kyle Junkunc, Alexander Kay, Jeff Leiberton, Jonathan Percy**

Phi Beta Kappa

Members: **Aditya Desai, John Horne, Philippe Jay, Jeff Leiberton, Siddarth Nandanwar, Brandon Stephanie**

2022-2023 Graduate Student Awards

G. William Pfeiffer and Marilyn M. Maltby Scholarship

Recipient: **Jared Termini**

Renewal: **Cecilia Fasano**

Goertz/Nicholson Memorial Scholarship

Recipient: **Sanjay Chepuri**

John and Stacey Wall Scholarship

Recipient: **David Fehr**

Pfeiffer Family Scholarship

Renewal: **Sarah Henderson**

Outstanding Teaching Assistant Award

Recipient: **Sean Gunderson**

Iowa Space Grant Consortium Graduate Fellowships

Recipients: **Kenny Buffo, David Fehr, Kenton Greene, Sarah Henderson, Kristie Nault**

M. Hildred Blewett Fellowship

Recipient: **Kristie Nault**

Ballard and Seashore Dissertation Fellowship

Recipients: **Daniel Robert Simons, Dustin Swarm**

NASA Space Technology Graduate Research Opportunity

Recipient: **Jared Termini**

Pierazzo International Student Travel Award

Recipient: **Sarah Henderson**

NASA/JPL Astrophysics Design School

Recipient: **Jacob Payne**

CLAS Dissertation Writing Fellowship

Recipient: **Sean Gunderson**

Honorable Mention, AAS High Energy Astrophysics Best Student Poster Presentation

Recipient: **Kenny Buffo**

Top Downloaded Paper, Wiley Journal of Geophysical Research: Space Physics

Recipient: **Riley Troyer**

Top Paper and Editor's Pick, Physics of Plasmas

Recipient: **Sarah Conley**

2022-2023 Staff Awards

Mary Louise Kelley Professional Development Award

Recipient: **Dale Stille**

Staff Council Members

Brad Carson

CLAS Organization Representative
CLAS Staff Council (*UI Staff Council Liason*)
UI Staff Council (*Communications Committee*)

Richard Dvorsky

Engineering, Architecture and Facilities Management Function Representative
UI Staff Council (*Awards Committee, HR Committee*)

Zachary Girazian

Research, Scientific Services Function Representative
UI Staff Council (*Community Outreach Committee*)

Darelle Wilkinson

Research, Scientific Services Function Representative
UI Staff Council (*DEI Committee, Education Committee*)

2022-2023 Postdoc Awards

D.C. Priestersbach Dissertation Prize

Recipient: **Stephen McMillan, Ph.D.**

International Travel Award

Recipient: **David Hartley, Ph.D.**

Top Downloaded Paper, Wiley Journal of Geophysical Research: Space Physics

Recipient: **Arya Afshari, Ph.D.**

2022-2023 Faculty Awards

CLAS Collegiate Scholar Award

Recipient: **Professor Jasper Halekas**

CLAS Dean's Scholar Award

Recipient: **Professor Allison Jaynes**

Harriet and Harold Brady Chair in Laser Physics

Recipient: **Professor Frederick Skiff**

American Physical Society Fellow

Recipient: **Professor Craig Kletzing**

Iowa Innovators of the Year

Recipients: **Professor John Prineas & Professor Fatima Toor** Lev D. Landau and Lyman

Spitzer Jr. Award

Recipient: **Professor Gregory Howes**

OVPR Early Career Scholars Award

Recipient: **Professor Ravitej Uppu**

Outstanding Referee, APS Physical Review Journals

Recipient: **Professor Mary Hall Reno**

2022-2023 Faculty Promotions

David Miles

Promotion to Associate Professor with Tenure

Student Presentations

Will Golay

"The Iowa Robotic Observatory and the MACRO Consortium"

Faculty Mentor: **Robert Mutel, professor emeritus**

Hank Hammer

"Effect of Core Geometry on Spatial-encoded Quantum Information Transfer via a Multimode Fiber"

Faculty Mentor: **Professor Ravitej Uppu**

Siddharth Nandanwar

"Low-temperature infrared characterization of anisotropic van der Waals heterostructures"

Faculty Mentor: **Professor Thomas Folland**

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