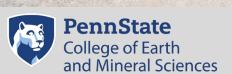
Annual Report of Graduate
Education and Research Activity

Joshua A. Robinson

Office of the Associate Dean for Graduate Education and Research 2022/23



2023 Graduate Student NSF- Fellows

NSE

Awardees

- Haley Jones, materials science and engineering
- Juliana Drozd, geosciences
- Jessica Sly, materials science and engineering
- Ava Spangler, geosciences
- Aiden Ross, materials science and engineering

Honorable mention

- Frances Meyer, geosciences
- Erik Schoonover, geosciences
- Ryan Spangler, materials science and engineering
- Lydia Spychalla, meteorology and atmospheric science
- Michael Thomas, materials science and engineering



Faculty Awards

NSF CAREER Award Kimberley Van Meter and Feifei Shi

Jose Fuentes

- 2022-2023 Fulbright Scholar
- American Geophysical Union's Ambassador Award
- Named an AGU Fellow "for seminal contributions to advancing the understanding of the processes controlling gas exchange between vegetation and the atmosphere"

Cynthia Brewer

International Cartographic Association 2023 Carl Mannerfelt Gold Medal

Kimberly Lau

2023 Sloan Research Fellowship

Shimin Liu and Guijie Sang

Society of Petroleum Engineer Rossiter Raymond Award



Faculty Awards

John C. Mauro

Academician of the World Academy of Ceramics

Long-Qing Chen

Elected as a foreign member of the Academia Europaea

Zi-Kiu Liu

 Honorary symposia, TMS, "Materials Genome, CALPHAD, and a Career over the Span of 20, 50, and 60 Years: An FMD/SMD Symposium in Honor of Zi-Kui Liu"

Dipanjan Pan

College of Fellows, American Institute for Medical and Biological Engineering (AIMBE)

Russell Johns

 Society of Petroleum Engineer SPE Anthony F. Lucas Gold Medal for Technical Leadership

Barbara J. Arnold

 Society for Mining, Metallurgy, and Exploration Howard N. Eavenson Award "in recognition of her unsurpassed contributions to the coal industry."



Faculty Awards

Major PSU Awards

Christopher Fowler

Penn State Award for Faculty Outreach

Peter Heaney

Penn State Atherton Award for Excellence in Teaching

Jon-Paul Maria

Penn State Faculty Scholar Medal for Engineering

+ many more regional and university awards.

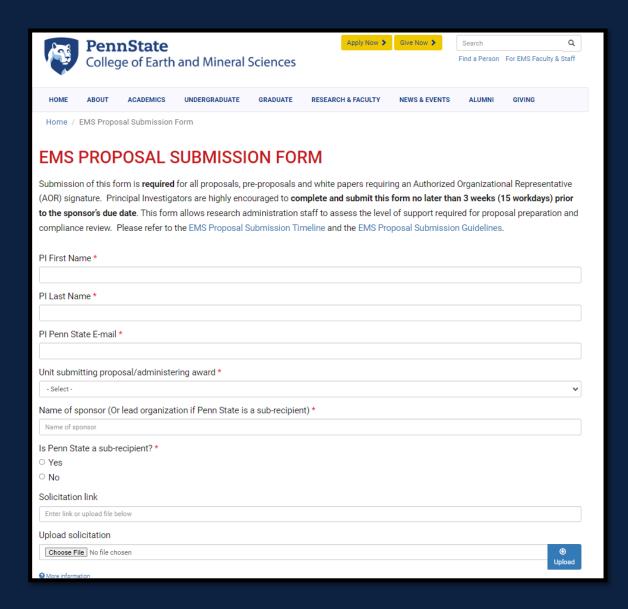


EMS Proposal Submission

Pls must submit <u>EMS Proposal</u>
 <u>Submission Form</u> >3 weeks
 <u>before</u> the submission date.

Gives ADGER staff time to ensure guidelines are followed, budgets adhere to RA21, approvals are secured, and all forms, representations, and certifications are accurate and complete.

Pls are expected to submit final version of all required proposal documents to the EMS Research
 Office at least >5 workdays before the due date.





EMS Graduate Education & Research, 2022/23

798

FALL ENROLLED GRADUATE STUDENTS (-2.9%)

\$160.1M

PROPOSALS TOTAL (+11.6%)

(360 PROPOSALS SUBMITTED)

61

DOCTORAL DEGREES CONFERRED (-11.6%)

\$48.7_M

AWARDS TOTAL (-9.2%) **155**

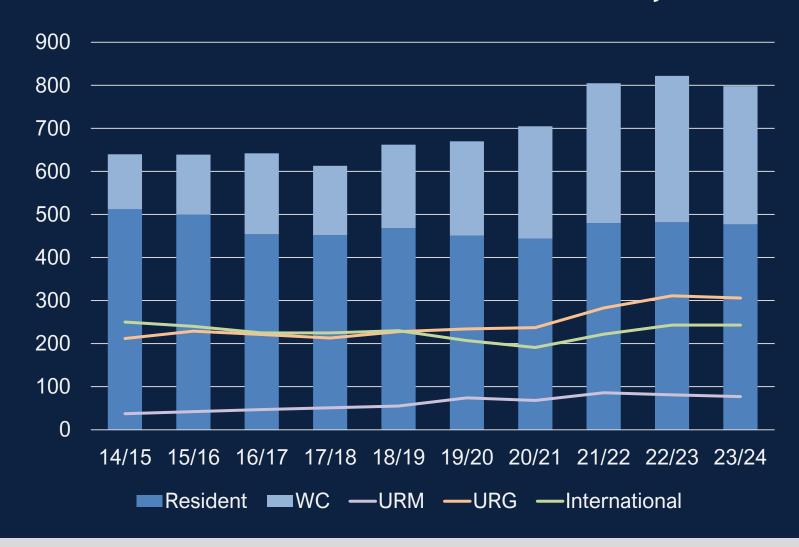
MASTER'S DEGREES CONFERRED (+6.9%)

\$46.6M

DIRECT FACULTY
EXPENDITURES
(+5.0%)



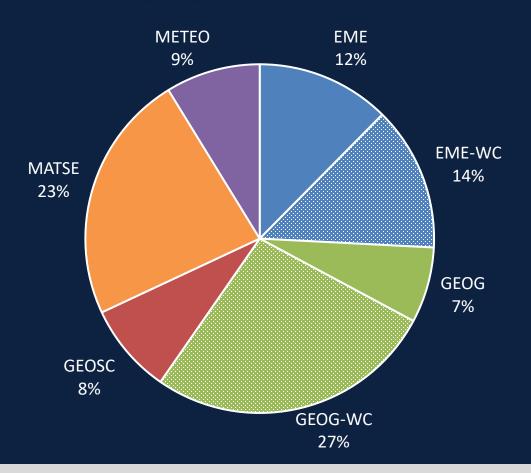
Fall Graduate Student Enrollment, 2014-2023



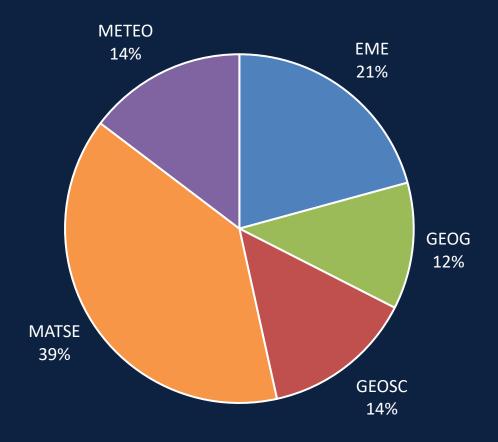


Fall 2023 Graduate Enrollment by Department

798 TOTAL GRADUATE STUDENTS



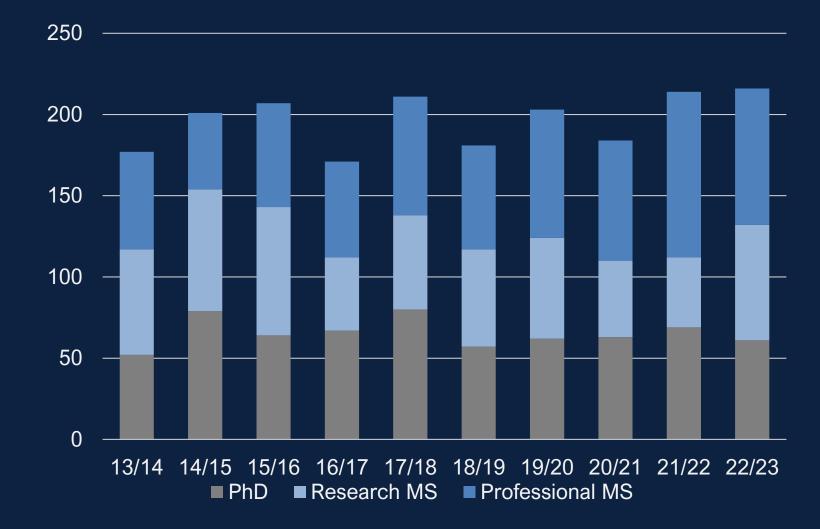
RESIDENT GRADUATE STUDENTS





Graduate Degrees Conferred, 2013-2022







Research Proposal and Award Trends



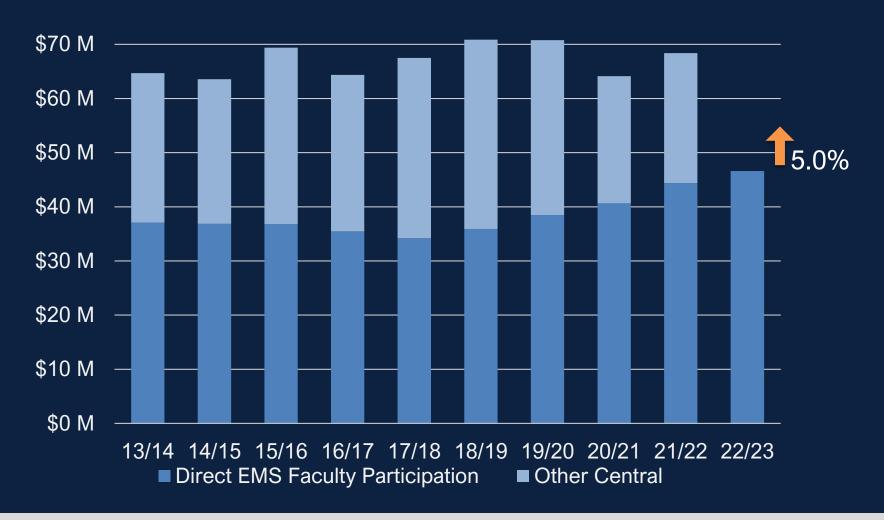
Proposals



Awards



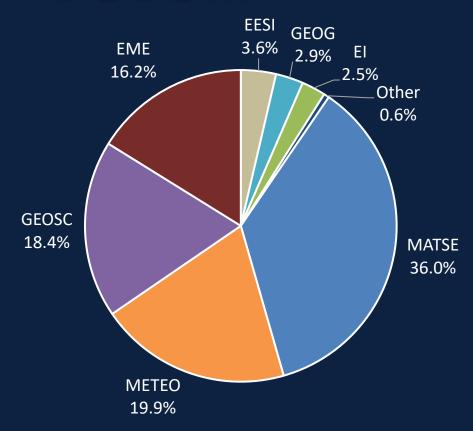
Total Research Expenditures, 2014-2023





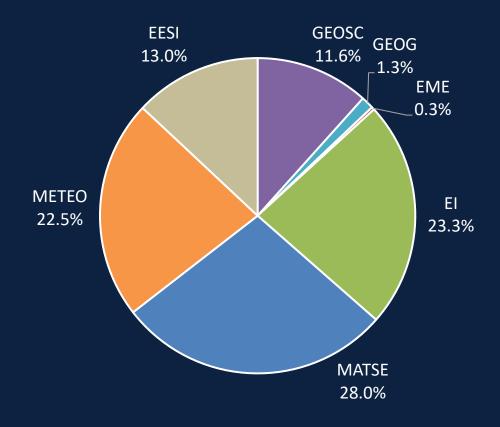
Research Expenditures FY23

\$46.6M DIRECT FACULTY EXPENDITURES



Proposals, Awards and Expenditures follow assignment of credit by faculty home unit for all research activities across the university

\$43.8 MEXPENDITURES MANAGED BY SUBUNIT



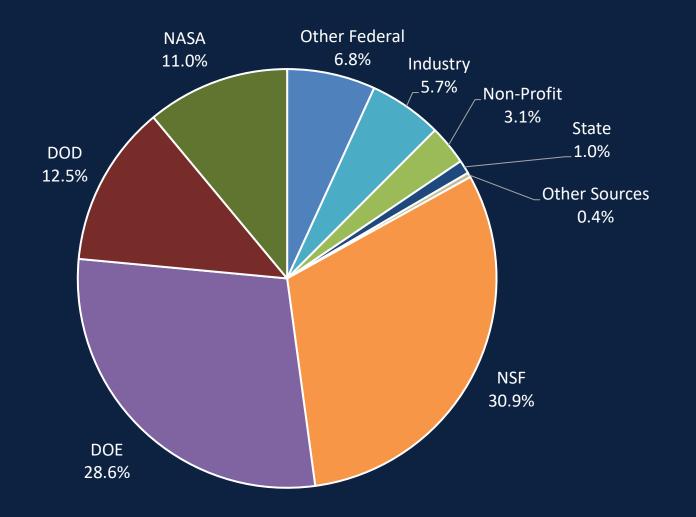


FY23 Expenditures by Funding Source

\$46.6M

DIRECT FACULTY

EXPENDITURES





Thank you!

