



RESEARCH AREAS

**Nuclear Power
Plasma and Fusion
Radiological Sciences
Materials Science
Reliability & Risk**

Award Highlights

- Syed Bahauddin Alam won the HPCwire Editors' Choice Award for Best Use of High Performance Computing in Energy.
- Dren Qerimi won the AVS Plasma Science and Technology Division's Young Investigator Award.

BEST STUDENT ORGANIZATIONS IN THE COUNTRY



The UIUC chapter of Women in Nuclear was honored with a Chapter Excellence award at their national conference.



Our chapter of the American Nuclear Society was once again honored with the Samuel Glasstone Award for the best section in the country.

STUDENTS

Degrees Granted, 2024-25

- 21** Bachelor of Science
- 10** Master of Science
- 16** Master of Engineering
- 9** Doctor of Philosophy

Enrollment, Fall 2025

- 186** Undergraduates
- 106** Graduate Students (MS/PhD)
- 33** MEng. (Energy Systems)
- 3** MEng. (Plasma Eng.)
- 13** DOE NEUP Scholarships/Fellowships

FY25 Sponsored Research Expenditures (ASEE)

\$12.2 million

*NPRE now offers a
"+ Data Science"
Bachelor's Degree. The
curriculum blends the
foundational physics and
engineering of NPRE with
a strong core in
computational and data
science.*

FACULTY

- 15** Tenure Track Faculty
- 2** Endowed Professorships
New Ruzic professorship established
- 4** Endowed Faculty Scholars
- 2** Research Faculty
- 1** Teaching Faculty
- 19** Affiliate/Adjunct Faculty
- 6** Emeritus



Three NPRE faculty members--Syed Bahauddin Alam, Katy Huff, and April Novak--have been named to Nuclear News' 40 Under 40 list over the past two years.



Our work continues toward constructing and operating a new research reactor on campus, with the help of a new partner, NANO Nuclear Energy.

LABS

Advanced Blankets & Coolants Lab | Advanced Reactor Fuel Cycles Laboratory | Beckman Institute for Advanced Science and Technology | Center for Plasma-Material Interactions | Computational Plasma Physics Lab | Extreme Robotics Lab | Functional X-Ray Imaging Lab (FXIL) | HIDRA (tokamak/stellarator) | High Temperature Corrosion Lab | High Temperature Nuclear Materials Lab | Illinois Plasma Institute | MARTIANS (Machine Learning and ARTificial Intelligence for Advancing Nuclear Systems) Lab | Magnetron Sputtering Lab | Materials Research Lab | Modeling of Nuclear Materials Group | Multiphysics and Multiscale Simulation Lab | Multiphase Thermo-Fluid Dynamics Lab | National Center for Supercomputing Applications | Neutron Metrology Lab | Nick Holonyak Micro and Nanotechnology Lab | Nuclear Futures Teaching Lab | Nuclear Materials Lab | Radiation Detection & Imaging Lab | Radiation Surface Science and Engineering Lab | Radiological Instrumentation Lab | Socio-Technical Risk Analysis (SoTeRiA) Lab | Synthesis, Plasma, Energy, Conversion (SPEC) Lab | Virtual Education and Research Lab