



STUDENTS

Degrees Granted 2020-21

21 Bachelor of Science
9 Master of Science
10 Master of Engineering
7 Doctor of Philosophy

Enrollment Fall 2021

119 Undergrads
106 Grad Students (MS/PhD)
24 MEng. (Energy Systems)
7 MEng. (Plasma Eng.)

RESEARCH AREAS

Nuclear Power (reactor physics, thermalhydraulics, fuel cycle, radiation transport, instrumentation & control)

Plasma and Fusion (modeling, plasma-material interactions)

Radiological Sciences (detectors, imaging, health physics, medical applications)

Materials Science (nuclear fuels, structural materials)

Risk and Policy (probabilistic risk analysis, safety, arms controls, disarmament, security)

\$8.7 M

FY21 Sponsored Research
Expenditures

GROWTH & RECOGNITIONS

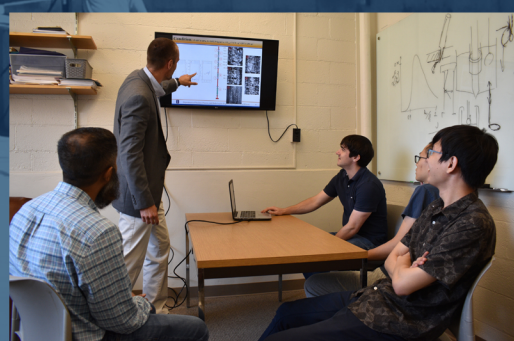
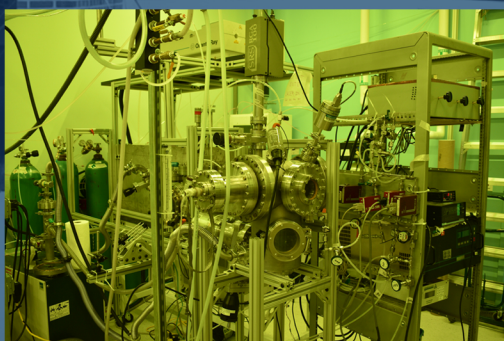
- Associate Professor **Kathryn Huff** is currently serving as Principal Deputy Assistant Secretary and Acting Assistant Secretary in the Office of Nuclear Energy at the **U.S. Department of Energy**.
- Associate professor **Zahra Mohaghegh** will serve as a member of the Committee on Transport Airplane Risk Assessment Methodology of the **U.S. National Academies of Sciences, Engineering, and Medicine**.
- The University of Illinois submitted a letter of intent to the **Nuclear Regulatory Commission (NRC)**, indicating our intentions to submit an application for a Construction Permit (CP) for a **test reactor facility** on the UIUC campus.
- The UIUC student chapter of the **American Nuclear Society** will host the national conference in Spring 2022.
- The **Illinois Plasma Institute** has added Silicon Valley company **LytEn** as a collaborator, bringing the IPI's total research funding to over \$5 million in under two years.
- Faculty members **Daniel Andruczyk** and **Kathryn Huff** have been promoted to Research Associate Professor and Associate Professor respectively.
- UIUC is currently home to **8** Nuclear Energy University Program graduate fellows.
- Graduate student **Amanda Bachmann** was elected to the ANS Board of Directors as its new Student Director.

LABS

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 | **Magnetron Sputtering Lab** | Materials Research Lab | **Multiphase Thermo-Fluid Dynamics Lab** | National Center for Supercomputing Applications | **Neutron Metrology Lab** | Nick Holonyak Micro and Nanotechnology Laboratory | **Radiation Detection & Imaging Lab** | Radiation Surface Science and Engineering Lab | **Radiological Instrumentation Lab** | Socio-Technical Risk Analysis (SoTeRiA) Lab | **Virtual Education and Research Lab**

FACULTY

14 FTE Faculty
3 Endowed Professorships
2 Research Professors
22 Affiliate/Adjunct Faculty
5 Emeritus



Nuclear, Plasma & Radiological Engineering

THE GRAINGER COLLEGE OF ENGINEERING

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