The School of Nuclear Engineering recently hosted its inaugural Atoms at Work Summer Camp, a for-credit fun-sized course for rising high-school seniors interested in nuclear energy. Summer camp leaders demonstrated concepts ranging from radiation detection to reactor physics. Students were exposed to the topics and materials they will likely study in nuclear engineering in fun and interactive manner. Midweek, campers, faculty, staff and students gathered at Happy Hollow Park for a cookout. The experience culminated at the end of the week with a hands-on lab, where students were able to use the PUR-1 reactor for their final experiments, along with a tour of a commercial nuclear power plant.

**SURVEY RESULTS**
(Average 1-10 Scores)

- Level of knowledge of nuclear engineering:
  - Pre-Camp: 4.4
  - Post-Camp: 7.6

- How safe is nuclear energy?
  - Pre-Camp: 7.8
  - Post-Camp: 8.3

- Is radiation something to be afraid of?
  - Pre-Camp: 6.6
  - Post-Camp: 8.2

- Is nuclear energy a clean energy source?
  - Pre-Camp: 6.7
  - Post-Camp: 9.7

**TOPICS**
- Radiation
- Detectors & Shielding
- Neutron Activation, Sources, Gamma Spectroscopy
- Nuclear Fuel
- Laminar Flow
- Gamma Attenuation
- Fission & Fusion
- Reactor Physics
- Power Production
- Thermal Hydraulics
- SMR’s and Advanced Reactors
- Nuclear Fuel Cycle

**FACILITIES**
- PUR-1 Nuclear Reactor
- Nuclear Energy Radiation Lab
- Thermal Hydraulics Research Facility
- Multiphase & Fuel Cell Research Laboratory
- Clinton Nuclear Power Plant (Illinois)

**SUMMER CAMP LEADERS**
- Dr. Seungjin Kim: Head of the School of Nuclear Engineering
- Capt. James F. McCarthy, Jr.: Head of the School of Nuclear Engineering
- Dr. Stylianos Chatzidakis: Assistant Professor, Associate Reactor Director and Director of Nuclear Engineering Radiation Laboratory

**NUCLEAR ENGINEERING STUDENT WORKERS**
- Chloe Yoder
- Riley Madden
- Andres Gomez
- Dylan Johnson
- William Richardson
- Alex Baker

**CAMPER TESTIMONIALS**
"I really enjoyed it, thank you for putting in so much time and effort into this program. I learned so much about nuclear engineering, Purdue, and our world. Thank you!!"

"For the first time doing this, it was great, balanced, educational and fun; I wish there were some experiments we could take home!"

"This definitely helped push me to go into nuclear."