Interested in Learning about Computational Nanotechnology?

Apply for a full-time, 11-week Summer Undergraduate Research Fellowship (SURF) with the Network for Computational Nanotechnology (NCN) at Purdue University. We are looking for rising juniors and seniors who have computer coding skills in addition to a strong foundation in science or engineering to develop advanced simulation tools for nanoHUB.org.

Research areas include:

- Nanoelectronics
- Nanophotonics for PV Systems
- Lithium Battery Systems
- Manufacturing Processes
- Product Design Optimization
- Computational Fluid Dynamics

Project descriptions and requirements: [https://nanohub.org/groups/ncnsurf/ncnresearch](https://nanohub.org/groups/ncnsurf/ncnresearch). In addition to research, there are seminars, graduate school workshops, social events and more. Compensation is $5100 for the summer, plus housing and travel assistance for visiting students.

Successful applicants will have the following characteristics:

- Good oral and written communication skills
- Strong work ethic and the ability to set and achieve goals
- Foundational knowledge of physics, chemistry, materials or mechanics
- Ability to code in at least one language such as MATLAB, Python or C++
- Willingness to learn in a fast-paced environment
- Minimum 3.0 / 4.0 GPA

Apply online starting 1/4/2016 -- [https://engineering.purdue.edu/Engr/Research/SURF](https://engineering.purdue.edu/Engr/Research/SURF). Be sure to list “nanoHUB Research in Nanoscale Science and Engineering” as your top choice and state which project you are interested in.

Purdue is an equal opportunity, equal access university that promotes the full realization of equal employment opportunity for women, minorities, persons with disabilities and veterans through its affirmative action program.