

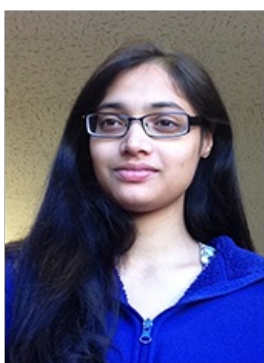


Nanotechnology simulation and more.
Always on, around the globe.

Issue 8

nanoHUB's SURF Program

Each year thousands of users run simulations on nanoHUB with tools that were developed by students that participated in nanoHUB's Summer Undergraduate Research Fellowships, SURF, program. Since 2008, more than 100 students have been mentored by faculty and graduate students involved with nanoHUB. The SURF program is designed to provide opportunities to students from various disciplines such as science, engineering, and technology through research and collaboration with other talented students and well-known faculty. While various interests ignited each student's curiosity to join the program, the participants found that their SURF experience helped them develop as scholars and opened their minds to new options/areas of interest.



Anubha Mathur, a Computer Engineering student at Purdue University, was matched with ECE Professor, Peter Bermel, and graduate student, Enas Sakr, to work on developing a tool on nanoHUB to simulate thermophotovoltaics with rare earth-based selective emitters.

"I started with almost no knowledge about the project and during the summer learned enough to build a tool based on an almost complete knowledge about thermophotovoltaics and it was mainly because of the wonderful graduate mentor and awesome professor and the NCN staff always there to help with issues regarding GUI development." Anubha recalls. Early in

October, the tool that she developed was published on nanoHUB.org and is now accessible to all users.

Anubha is currently working on adding new materials to the Thermophotonic Selective Emitter Simulation tool and is helping spread the word about SURF and nanoHUB. [Read More](#)

nanoHUB.org Gone Social



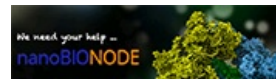
Join us on social media and get instant updates about nanoHUB tools, courses, workshops, seminars, and much more. By following us on Twitter and Facebook, you can partake in our online contests for a chance to win awesome gifts - Did we mention we have new merchandise including new nanoHUB T-shirt designs?

Remember, stay connected to stay updated!



Announcements

We need your help!



We kindly ask you to participate in the nanoBIO NODE survey to help improve the development of simulation software for nanoBIO applications. [Survey](#)

Coming in 2015: Organic Electronic Devices by Professor Bryan Boudouris



A five-week course on organic electronic materials, covering molecular properties of organic semiconductors, microstructural characterization of organic semiconductors, and charge generation and transport, optoelectronic characterization, and device application of organic semiconductors. [Go to course page](#)

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