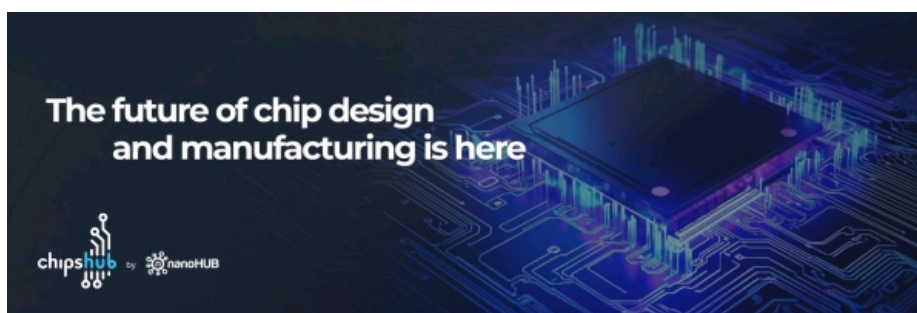




Issue 71

Stay informed about what's happening in the nanoHUB community by exploring upcoming events, new resources, and community news.

## Introducing Chipshub.org



The future of chip design and manufacturing is here! We are proud to introduce **Chipshub** by nanoHUB.

Chipshub is an online platform for semiconductor simulations, software, collaboration and workforce development.

Begin exploring at [Chipshub.org](https://chipshub.org). You'll find **tools** that transform ideas into chips, easy-to-use **apps**, and free **courses and textbooks**.

nanoHUB will continue to provide the excellent material and user experience relied upon by our existing community while also expanding our footprint with Chipshub. The current urgent need to support education and workforce development related to the semiconductor industry and chip design fits well with the mission and structure of the nanoHUB platform.

To learn more about the creation of Chipshub, check out [this article](#) recently featured in Semiconductor Digest.

## Creating a Collaborative Approach to CHIPS Act Objectives and Innovation

Purdue University and imec partnered to unveil Chipshub at the event, "[Creating a Collaborative Approach to CHIPS Act Objectives and Innovation](#)" on November 3, 2023, in Washington, D.C.



Leaders from academia, industry, and government gathered to explore enhancing US competitiveness in the semiconductor sector through a broad and coordinated national capabilities network. The workshop assessed the current state of the art and requirements for a national infrastructure with cross-cutting capabilities to help realize the transformative objectives of the CHIPS Act.

Look for an upcoming report that will summarize the key takeaways from the event.

## nanoHUB Community News

### Giving Tuesday

Happy Giving Tuesday! This day is celebrated annually on the Tuesday following Thanksgiving in the United States and is dedicated to supporting causes you find worthy.

If you would like to support nanoHUB, you can do so through a [monetary donation here](#), or consider the following:

- Spread the word about nanoHUB within your network
- Attend a virtual [nanoHUB webinar](#)
- Follow us on our social media accounts ([LinkedIn](#), [Facebook](#), [Twitter \(X\)](#), [Instagram](#))

We appreciate your continued support!

### Gateway Focus Week

Looking to build a sustainability plan for your science gateway? Planning to write your next funding proposal? Join SGX3 and SGCI at the next **Focus Week** to create your starter sustainability toolkit.

Gateway Focus Week is an intensive week-long workshop designed for innovative research teams to work together on producing a strong sustainability plan. You'll leave Focus Week with a clearer definition of your project's value, its audience, and its positioning in the competitive landscape along with tools you can use as your project continues to mature.

Focus Week 2024 takes place April 15-19, 2024 at the Texas Advanced Computing Center (TACC) in Austin, TX.

Apply via the **Focus Week Workshop Application**. The Focus Week application will close on March 15, 2024.

Thanks to the generous support of NSF, there are no workshop registration fees. Attendees will only need to cover their travel, lodging, and meal costs.

### Gateway Development Internships

SGX3 and SGCI offer internships for students interested in developing their gateway development skills. The internships are intended to provide hands-on experience and to provide a unique opportunity for student engagement with the community.

Browse current [internship opportunities here](#).

## New on nanoHUB

### PN Junction App (Web Interactive Front End)

The **PN Junction App (Web Interactive Front End)** is a fully interactive app that enables the visualization and exploration of P-N junctions. New simulations can be launched to explore different doping concentrations and temperatures. Different materials such as Si, Ge, GaAs, and InP are available for exploration.

This new PN Junction Lab is powered by the **PN-Junction Lab sim2!** and provides an interactive user experience. The industrial strength **PADRE tool** developed at Bell Labs ultimately powers the simulations.

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**Do you have a suggestion or nanoHUB success story you'd like to share? Use our [Contact Us form](#) and you may see your submission in a future newsletter!**

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